

[000001469443f3al-12-31http://fasb.org/us-gaap/2024#ShortTermInvestmentsMemberhttp://fasb.org/us-gaap/2024#ShortTermInvestmentsMemberhttp://fasb.org/us-gaap/2024#ShortTermInvestmentsMemberhttp://fasb.org/us-gaap/2024#ShortTermInvestmentsMemberhttp://fasb.org/us-gaap/2024#ShortTermInvestmentsMember](#)

[http://fasb.org/us-gaap/2024#ShortTermInvestmentsMemberhttp://fasb.org/us-gaap/2024#ShortTermInvestmentsMemberhttp://fasb.org/us-gaap/2024#ShortTermInvestmentsMemberhttp://fasb.org/us-gaap/2024#ShortTermInvestmentsMemberhttp://fasb.org/us-gaap/2024#ShortTermInvestmentsMemberP1YP0YPOYP1Y2005-06-30P1Y0001469443us-gaap:SegmentDiscontinuedOperationsMemberrkda:GoodwheatMember2024-06-3000014694432024-03-](#)

[310001469443rkda:SeptemberTwoThousandAndNineteenWarrantsPrivatePlacementOfferingMember2023-01-012023-06-300001469443us-gaap:SegmentDiscontinuedOperationsMemberrkda:GoodwheatMember2024-04-012024-06-300001469443us-gaap:RelatedPartyMember2024-06-300001469443us-gaap:WarrantMemberrkda:MarchTwoThousandAndTwentyThreePrivatePlacementMemberrkda:OptionAmendmentAgreementsMember2023-03-](#)

[310001469443rkda:June2019PlacementAgentWarrantsMember2024-06-300001469443rkda:JuneTwoThousandAndNineteenWarrantsMember2023-01-012023-06-300001469443rkda:OctoberTwoThousandAndTwentyTwoServiceAndPerformanceWarrantsMember2023-01-012023-06-](#)

[300001469443rkda:AugustTwoThousandAndTwentyTwoPreFundedWarrantsMember2024-01-012024-06-300001469443us-gaap:RetainedEarningsMember2023-06-300001469443rkda:MarchTwoThousandAndTwentyThreeOptionsSeriesAMember2024-06-300001469443us-gaap:EmployeeStockMember2015-05-140001469443us-gaap:CommonStockMember2024-03-310001469443rkda:JanuaryTwoThousandAndTwentyOnePlacementAgentWarrantsMember2024-06-300001469443us-gaap:FairValueInputsLevel3Memberrkda:MarchTwoThousandAndTwentyThreeOptionsSeriesBMemberus-gaap:MeasurementInputExpectedTermMember2023-12-](#)

[310001469443rkda:SeriesBPreferredInvestmentOptionsMemberrkda:MarchTwoThousandAndTwentyThreeOptionsAndMarchTwoThousandAndTwentyThreePlacementAgentOptionsMember2023-03-062023-03-060001469443us-gaap:ProductMember2023-01-012023-06-300001469443us-gaap:FairValueInputsLevel3Memberrkda:ContingentLiabilitiesMember2023-12-](#)

[310001469443rkda:TwoThousandSixStockIncentivePlanMember2024-06-300001469443us-gaap:MoneyMarketFundsMember2024-06-300001469443us-gaap:CommonStockMember2022-12-310001469443rkda:MarchTwoThousandAndTwentyThreePrivatePlacementMemberrkda:MarchTwoThousandAndTwentyThreeOptionsMemberrkda:MarchTwoThousandAndTwentyThreeSecuritiesPurchasePu](#)

[03-060001469443us-gaap:WarrantMemberrkda:MarchTwoThousandAndTwentyThreePrivatePlacementMemberrkda:OptionAmendmentAgreementsMember2020-05-310001469443us-gaap:SegmentDiscontinuedOperationsMemberrkda:GoodwheatMemberus-gaap:ProductMember2024-01-012024-06-](#)

[300001469443rkda:DecemberTwoThousandAndTwentyTwoServiceAndPerformanceWarrantsMember2023-01-012023-06-300001469443rkda:MarchTwoThousandAndTwentyThreeOptionsSeriesAMember2024-01-012024-06-](#)

[300001469443rkda:MarchTwoThousandAndTwentyThreePrivatePlacementMemberrkda:SeriesAAndBPreferredInvestmentOptionsMemberrkda:MarchTwoThousandAndTwentyThreeSecuritiesPurchaseFe](#)

[t03-012023-03-310001469443us-gaap:RetainedEarningsMember2024-03-3100014694432023-06-](#)

[300001469443rkda:March2023AndAugust2022OptionsAndPlacementAgentOptionsMember2024-06-300001469443rkda:CommonStockAndPreFundedWarrantsMember2023-03-062023-03-060001469443rkda:MarchTwoThousandAndTwentyThreePrivatePlacementMemberrkda:MarchTwoThousandAndTwentyThreeSecuritiesPurchasePurchaseAgreementMemberrkda:CommonStockAndPreF](#)

[060001469443rkda:MarchTwoThousandAndTwentyThreePrivatePlacementMemberrkda:OptionAmendmentAgreementsMemberrkda:MarchTwoThousandAndTwentyThreePlacementAgentOptionsMembe](#)

[r01-012024-06-300001469443us-gaap:SegmentDiscontinuedOperationsMemberrkda:CoPackingBusinessSaavyNaturalsProvaultAndSoulSpringBodyCareBrandsMember2024-06-](#)

[300001469443rkda:AugustTwoThousandAndTwentyTwoOptionsMember2023-12-310001469443us-gaap:FairValueInputsLevel3Memberrkda:MarchTwoThousandAndTwentyThreeOptionsSeriesAAndMarchTwoThousandAndTwentyThreePlacementAgentOptionsMemberus-gaap:MeasurementInputRiskFreeInterestRateMember2023-12-310001469443rkda:DecemberTwoThousandAndTwentyTwoServiceAndPerformanceWarrantsMember2024-01-012024-06-](#)

[300001469443us-gaap:NoncontrollingInterestMember2023-03-310001469443rkda:MarchTwoThousandAndTwentyThreePlacementAgentOptionsMember2024-01-012024-06-3000014694432024-04-012024-06-300001469443rkda:JohnSpierlingFoundationMember2023-12-310001469443us-gaap:FairValueInputsLevel3Memberrkda:MarchTwoThousandAndTwentyThreeOptionsSeriesBMemberus-gaap:MeasurementInputExpectedTermMember2024-06-300001469443us-gaap:ProductMember2024-01-012024-06-300001469443rkda:SeptemberTwoThousandAndNineteenWarrantsMember2023-](#)

[01-012023-06-300001469443rkda:TwoThousandSixStockIncentivePlanMember2023-12-310001469443rkda:DecemberTwoThousandAndTwentyWarrantsPrivatePlacementOfferingMember2023-12-](#)

[310001469443us-gaap:NoncontrollingInterestMember2024-06-300001469443rkda:OctoberTwoThousandAndTwentyTwoServiceAndPerformanceWarrantsMember2024-06-300001469443us-gaap:LeaseholdImprovementsMember2024-06-300001469443us-gaap:RetainedEarningsMember2023-01-012023-03-310001469443us-gaap:AdditionalPaidInCapitalMember2023-12-](#)

[310001469443us-gaap:EmployeeStockOptionMember2024-04-012024-06-300001469443us-gaap:NonrelatedPartyMember2024-06-300001469443us-gaap:SegmentDiscontinuedOperationsMemberrkda:GoodwheatMemberus-gaap:ProductMember2023-04-012023-06-](#)

[300001469443rkda:MarchTwoThousandAndTwentyThreePrivatePlacementMemberrkda:MarchTwoThousandAndTwentyThreeSecuritiesPurchasePurchaseAgreementMember2024-01-012024-06-](#)

[300001469443rkda:AugustTwoThousandAndTwentyTwoPreFundedWarrantsMember2023-01-012023-06-300001469443us-gaap:AccumulatedOtherComprehensiveIncomeMember2024-06-](#)

[300001469443us-gaap:AccumulatedOtherComprehensiveIncomeMember2023-12-310001469443rkda:July2020PlacementAgentWarrantsMember2023-12-](#)

[310001469443rkda:July2020PlacementAgentWarrantsMember2024-06-300001469443us-gaap:RetainedEarningsMember2023-03-](#)

[310001469443rkda:JanuaryTwoThousandAndTwentyOneWarrantsMember2024-01-012024-06-](#)

[300001469443rkda:MarchTwoThousandAndTwentyThreePrivatePlacementMemberrkda:MarchTwoThousandAndTwentyThreeSecuritiesPurchasePurchaseAgreementMemberrkda:MarchTwoThousandTw](#)

[01-012024-06-300001469443us-gaap:CommonStockMember2024-01-012024-03-310001469443us-gaap:FairValueInputsLevel3Memberus-gaap:MeasurementInputRiskFreeInterestRateMemberrkda:AugustTwoThousandAndTwentyTwoOptionsAndAugustTwoThousandAndTwentyTwoPlacementAgentOptionsMember2024-06-](#)

[300001469443us-gaap:EmployeeStockOptionMember2023-01-012023-06-300001469443us-gaap:AdditionalPaidInCapitalMember2023-03-310001469443us-gaap:SegmentDiscontinuedOperationsMemberrkda:CoPackingBusinessSaavyNaturalsProvaultAndSoulSpringBodyCareBrandsMemberus-gaap:ProductMember2023-04-012023-06-](#)

[300001469443us-gaap:WarrantMember2024-01-012024-06-300001469443us-gaap:SegmentDiscontinuedOperationsMemberrkda:GoodwheatMemberus-gaap:ProductMember2024-04-012024-](#)

[06-300001469443us-gaap:AdditionalPaidInCapitalMember2023-04-012023-06-300001469443us-gaap:FairValueInputsLevel2Member2023-12-](#)

[310001469443rkda:ArcadiaBiosciencesIncorporationMemberrkda:ArchipelagoVenturesHawaiiLLCMember2019-08-092019-08-](#)

[090001469443srt:MinimumMemberrkda:IndustrialSeedInnovationsMember2024-06-300001469443us-gaap:AccumulatedOtherComprehensiveIncomeMember2023-04-012023-06-](#)

[3000014694432023-01-012023-06-300001469443us-gaap:FairValueInputsLevel3Memberus-gaap:MeasurementInputPriceVolatilityMemberrkda:AugustTwoThousandAndTwentyTwoOptionsAndAugustTwoThousandAndTwentyTwoPlacementAgentOptionsMember2023-12-](#)

[310001469443rkda:May2020WarrantsMember2024-01-012024-06-300001469443rkda:DecemberTwoThousandAndTwentyWarrantsMember2024-01-012024-06-300001469443us-gaap:LicenseMember2023-01-012023-06-300001469443rkda:LegacyVenturesHawaiiLLCMemberrkda:ArchipelagoVenturesHawaiiLLCMember2024-06-300001469443us-gaap:FairValueInputsLevel3Member2024-01-012024-06-300001469443rkda:MarchTwoThousandAndTwentyThreeOptionsSeriesBMember2024-06-](#)

[300001469443rkda:DecemberTwoThousandAndTwentyWarrantsPrivatePlacementOfferingMember2023-01-012023-06-300001469443us-gaap:FairValueInputsLevel3Memberrkda:MarchTwoThousandAndTwentyThree](#)

000001469443rkda:June2019PlacementAgentWarrantsMember2024-01-012024-06-300001469443rkda:May2020PlacementAgentWarrantsMember2023-12-31  
310001469443rkda:May2020PlacementAgentWarrantsMember2024-06-300001469443rkda:MarchTwoThousandandTwentyThreePlacementAgentOptionsMember2023-12-31  
310001469443rkda:MarchTwoThousandandTwentyThreeOptionsSeriesAMember2023-01-012023-06-300001469443us-gaap:RetainedEarningsMember2023-04-012023-06-300001469443rkda:BioceresCropSolutionsMemberrrkda:VerdecaLLCMemberbsrt:MaximumMember2020-11-012020-11-01  
300001469443rkda:April2019ServiceAndPerformanceWarrantsMember2023-01-012023-06-300001469443us-gaap:EmployeeStockMember2023-01-012023-06-3000014694432024-06-300001469443rkda:March2023AndAugust2022OptionsAndPlacementAgentOptionsMember2024-01-012024-06-300001469443rkda:MarchTwoThousandandTwentyThreePrivatePlacementMemberrrkda:OptionAmendmentAgreementsMemberrrkda:MarchTwoThousandandTwentyThreePlacementAgentOptionsMember2024-06-300001469443us-gaap:FairValueInputsLevel3Memberbus-gaap:MeasurementInputPriceVolatilityMemberrrkda:AugustTwoThousandandTwentyTwoOptionsAndAugustTwoThousandandTwentyTwoPlacementAgentOptionsMember2024-06-300001469443rkda:March2023AndAugust2022OptionsAndPlacementAgentOptionsMember2023-01-012023-06-3000014694432024-01-310001469443us-gaap:CommonStockMember2023-04-012023-06-300001469443us-gaap:FairValueInputsLevel3Memberbus-gaap:USTreasurySecuritiesMember2023-12-310001469443rkda:SeptemberTwoThousandandNineteenWarrantsMember2024-06-300001469443rkda:GoodwheatMember2024-01-012024-06-300001469443rkda:July2020PlacementAgentWarrantsMember2024-01-012024-06-300001469443us-gaap:MoneyMarketFundsMemberbus-gaap:CashEquivalentsMember2023-12-310001469443rkda:AugustTwoThousandandTwentyTwoPreFundedWarrantsMember2023-12-310001469443rkda:MarchTwoThousandandTwentyThreeOptionsAndMarchTwoThousandandTwentyThreePlacementAgentOptionsMember2023-03-062023-03-060001469443us-gaap:SegmentDiscontinuedOperationsMemberrrkda:GoodwheatMember2024-05-140001469443srt:MaximumMemberrrkda:IndustrialSeedInnovationsMember2024-06-300001469443us-gaap:WarrantMemberrrkda:MarchTwoThousandandTwentyThreePrivatePlacementMemberrrkda:OptionAmendmentAgreementsMember2020-12-310001469443rkda:InducementStockOptionMember2024-06-300001469443us-gaap:FairValueInputsLevel1Memberbus-gaap:USTreasurySecuritiesMember2023-12-310001469443rkda:MarchTwoThousandandTwentyThreePrivatePlacementMemberrrkda:OptionAmendmentAgreementsMemberrrkda:PreferredInvestmentOptionsMember2023-03-310001469443us-gaap:AdditionalPaidInCapitalMember2024-04-012024-06-300001469443us-gaap:FairValueInputsLevel1Member2024-06-300001469443rkda:MarchTwoThousandandTwentyThreePrivatePlacementMemberrrkda:PreFundedWarrantsMemberrrkda:MarchTwoThousandandTwentyThreeSecuritiesPurchasePurchaseAgreementMe000001469443rkda:BioceresCropSolutionsMember2022-01-012022-12-310001469443us-gaap:SegmentDiscontinuedOperationsMemberrrkda:CoPackingBusinessSaavyNaturalsProvaultAndSoulSpringBodyCareBrandsMemberbus-gaap:ProductMember2023-01-012023-06-300001469443rkda:MarchTwoThousandandTwentyThreePreFundedWarrantsMember2023-12-310001469443rkda:MarchTwoThousandandTwentyThreeOptionsMember2023-03-060001469443rkda:TwoThousandSixStockIncentivePlanMember2015-05-200001469443rkda:MarchTwoThousandandTwentyThreePreFundedWarrantsMember2024-06-300001469443us-gaap:FairValueInputsLevel2Member2024-06-300001469443us-gaap:MoneyMarketFundsMemberbus-gaap:FairValueInputsLevel1Member2024-06-300001469443rkda:MarchTwoThousandandTwentyThreePlacementAgentOptionsMemberbus-gaap:FairValueInputsLevel3Member2024-06-300001469443rkda:April2019ServiceAndPerformanceWarrantsMember2024-06-300001469443us-gaap:FairValueInputsLevel3Memberrrkda:AugustTwoThousandandTwentyTwoOptionsAndAugustTwoThousandandTwentyTwoPlacementAgentOptionsMemberbus-gaap:MeasurementInputExpectedTermMember2023-12-310001469443us-gaap:FairValueInputsLevel3Memberrrkda:AugustTwoThousandandTwentyTwoOptionsMember2024-06-300001469443rkda:MarchTwoThousandandTwentyThreePreFundedWarrantsMemberbus-gaap:CommonStockMember2023-04-012023-06-300001469443rkda:June2019PlacementAgentWarrantsMember2023-01-012023-06-300001469443rkda:BodyCareMember2023-01-012023-06-300001469443rkda:JanuaryTwoThousandandTwentyOneWarrantsMember2024-06-300001469443rkda:GoodwheatMember2024-04-012024-06-300001469443us-gaap:SegmentDiscontinuedOperationsMemberrrkda:GoodwheatMember2024-05-140001469443us-gaap:SegmentDiscontinuedOperationsMemberrrkda:GoodwheatMember2024-05-162024-05-160001469443us-gaap:MeasurementInputExpectedDividendRateMemberbus-gaap:FairValueInputsLevel3Memberrrkda:AugustTwoThousandandTwentyTwoOptionsAndAugustTwoThousandandTwentyTwoPlacementAgentOptionsMember2024-06-300001469443us-gaap:FairValueInputsLevel3Memberrrkda:MarchTwoThousandandTwentyThreeOptionsSeriesAAndMarchTwoThousandandTwentyThreePlacementAgentOptionsMemberbus-gaap:MeasurementInputExpectedTermMember2024-06-300001469443us-gaap:FairValueInputsLevel3Memberrrkda:ContingentLiabilitiesMember2024-01-012024-06-300001469443rkda:OctoberTwoThousandAndTwentyTwoServiceAndPerformanceWarrantsMember2024-01-012024-06-300001469443us-gaap:FurnitureAndFixturesMember2023-12-310001469443us-gaap:EmployeeStockMember2024-04-012024-06-300001469443rkda:PreferredInvestmentOptionsMember2023-04-012023-06-300001469443rkda:DecemberTwoThousandTwentyWarrantsMember2024-06-300001469443us-gaap:NonrelatedPartyMember2023-12-310001469443rkda:May2020WarrantsPrivatePlacementOfferingMember2024-01-012024-06-300001469443us-gaap:WarrantMemberrrkda:MarchTwoThousandandTwentyThreePrivatePlacementMemberrrkda:MarchTwoThousandandTwentyThreeSecuritiesPurchasePurchaseAgreementMemberrrkda:MarchTwoThous000001469443us-gaap:FairValueInputsLevel3Memberbus-gaap:MeasurementInputExpectedDividendRateMemberrrkda:AugustTwoThousandandTwentyTwoOptionsAndAugustTwoThousandandTwentyTwoPlacementAgentOptionsMember2023-12-310001469443us-gaap:EmployeeStockOptionMember2024-04-012024-06-300001469443us-gaap:USTreasurySecuritiesMember2024-06-300001469443rkda:MarchTwoThousandandTwentyThreePlacementAgentOptionsMember2023-03-062023-03-060001469443us-gaap:SegmentDiscontinuedOperationsMemberrrkda:GoodwheatMember2024-05-160001469443us-gaap:SegmentDiscontinuedOperationsMemberrrkda:GoodwheatMember2023-12-310001469443rkda:JanuaryTwoThousandandTwentyOneWarrantsPrivatePlacementOfferingMember2023-01-012023-06-300001469443us-gaap:FurnitureAndFixturesMember2024-06-300001469443us-gaap:FairValueInputsLevel2Memberbus-gaap:MoneyMarketFundsMember2024-06-300001469443us-gaap:RetainedEarningsMember2024-04-012024-06-300001469443rkda:MarchTwoThousandandTwentyThreePrivatePlacementMemberrrkda:MarchTwoThousandandTwentyThreePlacementAgentOptionsMemberrrkda:PreferredInvestmentOptionsMember2023-03-062023-03-060001469443us-gaap:SegmentDiscontinuedOperationsMemberrrkda:GoodwheatMember2024-05-160001469443us-gaap:SegmentDiscontinuedOperationsMemberrrkda:GoodwheatMember2024-05-162024-05-160001469443rkda:CollaborativeArrangementsCopromotionMember2024-04-012024-06-300001469443us-gaap:RetainedEarningsMember2024-06-300001469443us-gaap:EmployeeStockMember2024-01-012024-06-300001469443us-gaap:FairValueInputsLevel3Memberrrkda:MarchTwoThousandandTwentyThreeOptionsSeriesAMember2023-12-310001469443rkda:AugustTwoThousandandTwentyTwoOptionsMember2024-06-300001469443us-gaap:SegmentDiscontinuedOperationsMemberrrkda:CoPackingBusinessSaavyNaturalsProvaultAndSoulSpringBodyCareBrandsMember2023-12-310001469443us-gaap:WarrantMemberrrkda:MarchTwoThousandandTwentyThreePrivatePlacementMemberrrkda:OptionAmendmentAgreementsMember2020-07-310001469443us-gaap:SellingGeneralAndAdministrativeExpensesMember2023-01-012023-06-300001469443us-gaap:CommonStockMember2023-03-310001469443rkda:July2020WarrantsMember2023-01-012023-06-300001469443rkda:ArcadiaBiosciencesIncorporationMemberrrkda:ArchipelagoVenturesHawaiiLLCMember2024-06-300001469443us-gaap:FairValueInputsLevel1Memberbus-gaap:USTreasurySecuritiesMember2024-06-300001469443rkda:May2020WarrantsPrivatePlacementOfferingMember2024-06-300001469443us-gaap:FairValueInputsLevel3Memberbus-gaap:MeasurementInputPriceVolatilityMemberrrkda:MarchTwoThousandandTwentyThreeOptionsSeriesBMember2023-12-310001469443rkda:AugustTwoThousandandTwentyTwoOptionsMember2023-01-012023-06-300001469443us-gaap:FairValueInputsLevel3Memberrrkda:AugustTwoThousandandTwentyTwoPlacementAgentOptionsMember2023-12-310001469443us-gaap:AccumulatedOtherComprehensiveIncomeMember2024-04-012024-06-300001469443rkda:LegacyVenturesHawaiiLLCMemberrrkda:ArchipelagoVenturesHawaiiLLCMember2019-08-092019-08-090001469443rkda:July2020PlacementAgentWarrantsMember2023-01-012023-06-300001469443rkda:SeptemberTwoThousandandNineteenWarrantsPrivatePlacementOfferingMember2024-01-012024-06-300001469443us-gaap:FairValueInputsLevel3Memberbus-gaap:UST

00001469443rkda:MarchTwoThousandTwentyThreePrivatePlacementMemberrrkda:OptionAmendmentAgreementsMember2022-08-310001469443us-gaap:LicenseMember2023-04-012023-06-300001469443rkda:PreferredInvestmentOptionsMember2024-01-012024-06-300001469443us-gaap:WarrantMember2023-01-012023-06-300001469443rkda:SoftwareAndComputerEquipmentMember2023-12-310001469443us-gaap:FairValueInputsLevel2Memberus-gaap:MoneyMarketFundsMember2023-12-310001469443us-gaap:SegmentDiscontinuedOperationsMemberrrkda:CoPackingBusinessSaavyNaturalsProvaultAndSoulSpringBodyCareBrandsMember2024-01-012024-06-300001469443rkda:AugustTwoThousandTwentyTwoPlacementAgentOptionsMember2024-06-300001469443rkda:MarchTwoThousandTwentyThreePrivatePlacementMemberrrkda:SeriesAPreferredInvestmentOptionsMemberrrkda:MarchTwoThousandTwentyThreeSecuritiesPurchasePurcha:03-310001469443us-gaap:FairValueInputsLevel3Member2024-06-300001469443us-gaap:NoncontrollingInterestMember2023-12-310001469443us-gaap:ShortTermInvestmentsMembers-us-gaap:TREASURYSecuritiesMember2024-06-300001469443us-gaap:FairValueInputsLevel3Memberrrkda:NoteReceivableBifurcatedDerivativesMember2023-12-310001469443rkda:MarchTwoThousandTwentyThreePrivatePlacementMemberrrkda:MarchTwoThousandTwentyThreeSecuritiesPurchasePurchaseAgreementMember2023-03-012023-03-310001469443srt:MinimumMember2024-01-012024-06-300001469443us-gaap:FairValueInputsLevel3Memberrrkda:MarchTwoThousandTwentyThreeOptionsSeriesAandMarchTwoThousandTwentyThreePlacementAgentOptionsMembers-us-gaap:MeasurementInputPriceVolatilityMember2024-06-300001469443us-gaap:FairValueInputsLevel3Memberrrkda:AugustTwoThousandTwentyTwoOptionsMember2023-12-310001469443rkda:April2019ServiceAndPerformanceWarrantsMember2023-12-310001469443rkda:SoftwareAndComputerEquipmentMember2024-06-300001469443us-gaap:SegmentDiscontinuedOperationsMemberrrkda:CoPackingBusinessSaavyNaturalsProvaultAndSoulSpringBodyCareBrandsMember2024-01-012024-06-300001469443us-gaap:FairValueInputsLevel3Memberrrkda:MarchTwoThousandTwentyThreeOptionsSeriesBMember2024-06-300001469443rkda:JanuaryTwoThousandTwentyOneWarrantsPrivatePlacementOfferingMember2023-12-310001469443us-gaap:AccumulatedOtherComprehensiveIncomeMember2024-03-310001469443us-gaap:CommonStockMember2023-01-012023-03-310001469443rkda:AugustTwoThousandTwentyTwoPlacementAgentOptionsMember2024-01-012024-06-300001469443us-gaap:NoncontrollingInterestMember2023-04-012023-06-300001469443rkda:DecemberTwoThousandTwentyTwoPlacementAgentWarrantsMember2023-01-012023-06-300001469443rkda:Individualxblri:pureiso4217:USDxbli:sharesxblri:sharesrkda:IncentivePlanisoi4217:USDrkda:Program A UNITED STATES SECURITIES AND EXCHANGE COMMISSION WASHINGTON, DC 20549 FORM 10-Q (Mark One)    QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 For the quarterly period ended June 30, 2024 OR    TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 For the transition period from to    Commission File Number: 001-37383 Arcadia Biosciences, Inc. (Exact Name of Registrant as Specified in its Charter)    A Delaware 81-0571538 (State or other jurisdiction of incorporation or organization) (I.R.S. Employer Identification No.) 5950 Sherry Lane, Suite 215Dallas, TX 75225 (Address of Principal Executive Offices) (Zip Code) Registrant's telephone number, including area code: (214) 974-8921    A Securities registered pursuant to Section 12(b) of the Act:    Title of each class Trading Symbol(s) Name of each exchange on which registered Common RKDA NASDAQ CAPITAL MARKET    A Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes    No    A Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (   \$232,405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes    No    A Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of    large accelerated filer,    accelerated filer,    non-accelerated filer,    smaller reporting company,    and    emerging growth company    A In Rule 12b-2 of the Exchange Act.    Large accelerated filer    Accelerated filer    Non-accelerated filer    Smaller reporting company    Emerging growth company    A If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.    A Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes    No    A As of August 6, 2024, the registrant had 1,362,840 shares of common stock outstanding, \$0.001 par value per share.    A Arcadia Biosciences, Inc. FORM 10-Q FOR THE QUARTER ENDED June 30, 2024 INDEX    A Page Part I    Financial Information (Unaudited)    A    A    A Item 1. Condensed Consolidated Financial Statements:    1    A    A    A Condensed Consolidated Balance Sheets    1    A    A    A Condensed Consolidated Statements of Operations and Comprehensive Income (Loss)    2    A    A    A    A Condensed Consolidated Statements of Stockholders' Equity    3    A    A    A Condensed Consolidated Statements of Cash Flows    4    A    A    A Notes to Condensed Consolidated Financial Statements    5    A    A    A Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations    19    A    A    A Item 3. Quantitative and Qualitative Disclosures About Market Risk    28    A    A    A Item 4. Controls and Procedures    28    A    A    A Part II    Other Information    29    A    A    A Item 1. Legal Proceedings    29    A    A    A Item 1A. Risk Factors    29    A    A    A Item 2. Unregistered Sales of Equity Securities and Use of Proceeds    29    A    A    A Item 3. Defaults Upon Senior Securities    29    A    A    A Item 4. Mine Safety Disclosures    29    A    A    A Item 5. Other Information    29    A    A    A Item 6. Exhibits    30    A    A    A SIGNATURES    31    A    A ITEM 1. CONDENSED CONSOLIDATED FINANCIAL STATEMENTS Arcadia Biosciences, Inc. Condensed Consolidated Balance Sheets (Unaudited) (In thousands, except share data)    A June 30, 2024    A December 31, 2023    Assets    A    A    A Current assets:    A    A    A Cash and cash equivalents    \$ 5,504    A    \$ 6,518    Short-term investments    A 2,604    A    \$ 5,124    Accounts receivable and other receivables, net of allowance for doubtful accounts of    \$    A \$0    A as of June 30, 2024 and December 31, 2023    A    \$ 840    A    \$ 506    Inventories    current    A    \$ 978    A    \$ 837    Assets held for sale    A    A    A    Note receivable    current    A    \$ 1,759    A    A    Prepaid expenses and other current assets    A    \$ 537    A    \$ 807    Current assets of discontinued operations    GoodWheat    A    \$ 212    A    \$ 1,129    Total current assets    A    \$ 12,434    A    \$ 14,972    Property and equipment, net    A    \$ 54    A    \$ 70    Right of use asset    A    \$ 513    A    \$ 792    Inventories    noncurrent    A    \$ 191    A    \$ 196    Intangible assets, net    A    \$ 39    A    \$ 39    Note receivable    noncurrent    A    \$ 3,974    A    A    Other noncurrent assets    A    \$ 164    A    \$ 164    Noncurrent assets of discontinued operations

products and products, and through trait licensing and royalty agreements. The acquisition of the assets of Live Zola, LLC ("Zola") in May 2021 added coconut water to our portfolio of products. On May 16, 2024, the Company sold the GoodWheat<sup>®</sup>, a brand to Above Food Corp. ("Above Food") for net consideration of \$3.7 million. Refer to Note 6 for details of the transaction. On May 14, 2024, the Company sold its non-GMO Resistant Starch ("RS") durum wheat trait to longtime partner Corteva AgriScience ("Corteva"). Under the terms of the agreement, Arcadia retained certain rights to use the RS durum wheat trait. The Company received \$4.0 million in cash payment from Corteva during the three months ended June 30, 2024 and recorded a gain of the same amount as the trait had no carrying value on the condensed consolidated statement of operations and comprehensive income (loss) related to the transaction. Refer to Note 8 for details of the partnership and transaction. In May 2021, the Company's wholly owned subsidiary Arcadia Wellness, LLC (an Arcadia Wellness or ArcadiaWA) acquired the businesses of Eko Holdings, LLC, Lief, LLC, and Zola. The acquisition included Saavy Naturals, a line of natural body care products, Soul Spring, a CBD-infused botanical therapy brand in the natural category, and ProVault, a THC-free CBD sports performance formula made with natural ingredients, providing effective support and recovery for athletes (collectively, "body care brands"). Also included in the purchase was Zola, a coconut water sourced exclusively with sustainably grown coconuts from Thailand. In July 2022, the Company entered into an agreement to license Saavy Naturals to Radiance Beauty and Wellness, Inc. ("Radiance Beauty"). In July 2023, management made the decision to exit the remaining body care brands, Soul Spring and ProVault, as a result of continued pressure on the CBD market due to regulatory uncertainty. Body care operations ceased during the third quarter of 2023. In August 2019, the Company entered into a joint venture agreement with Legacy Ventures Hawaii, LLC (an Legacy, see Note 7) to grow, extract, and sell hemp products. The partnership Archipelago Ventures Hawaii, LLC (an Archipelago), combines the Company's extensive genetic expertise and resources with Legacy's experience in hemp extraction and sales. In October 2021, Arcadia and Legacy mutually agreed to wind down the cultivation activities of Archipelago, due to regulatory challenges and a saturated hemp market. In February 2012, the Company formed Verdeca, which was equally owned with Bioceres. Verdeca was formed to develop and deregulate soybean varieties using both partners' agricultural technologies. In November 2020, Arcadia sold its membership interest in Verdeca to Bioceres in a transaction in which Arcadia received cash, shares of Bioceres stock and a royalty stream of up to \$10.0 million on sales of Haab 4 soybeans (an HB4). An additional \$2.0 million in cash was to be paid to Arcadia upon Verdeca achieving commercial plantings of at least 200,000 hectares of HB4 or China approving the HB4 soybean trait for food and feed. During 2022, Bioceres received China's approval of the HB4 soybean trait and as a result, Arcadia recorded license revenue of \$82,000 and a gain on sale of Verdeca of \$1.1 million on the condensed consolidated statements of operations and comprehensive income (loss). The Company received the full payment of \$2.0 million as of December 31, 2023. Basis of Presentation and Principles of Consolidation The accompanying unaudited condensed consolidated financial statements have been prepared in accordance with accounting principles generally accepted in the United States (an GAAP) for interim financial statements and are in the form prescribed by the Securities and Exchange Commission (the SEC) in instructions to Form 10-Q and Rule 10-01 of Regulation S-X. In the opinion of management, the accompanying condensed consolidated financial statements reflect all adjustments, consisting of normal recurring adjustments, considered necessary for a fair statement of the Company's financial position, results of operations and cash flows for the periods indicated. All material intercompany accounts and transactions have been eliminated in consolidation. The accompanying unaudited condensed consolidated financial statements include the accounts of the Company, Arcadia Wellness, and Archipelago. 5 The Company uses a qualitative approach in assessing the consolidation requirement for variable interest entities ("VIEs"). This approach focuses on determining whether the Company has the power to direct the activities of the VIE that most significantly affect the VIE's economic performance and whether the Company has the obligation to absorb losses, or the right to receive benefits, that could potentially be significant to the VIE. For all periods presented, the Company has determined that it is the primary beneficiary of Archipelago, a joint venture, as it has a controlling interest in Archipelago. Accordingly, the Company consolidates Archipelago in the condensed consolidated financial statements after eliminating intercompany transactions. For consolidated joint ventures, the non-controlling partner's share of the assets, liabilities and operations of the joint venture is included in non-controlling interests as equity of the Company. The non-controlling partner's interest is generally computed as the joint venture partner's ownership percentage of Archipelago. The non-controlling partner's equity interests are presented as non-controlling interests on the condensed consolidated balance sheets. The information included in these condensed consolidated financial statements and notes thereto should be read in conjunction with Management's Discussion and Analysis of Financial Condition and Results of Operations included herein and Management's Discussion and Analysis of Financial Condition and Results of Operations and the condensed consolidated financial statements and notes thereto for the fiscal year ended December 31, 2023 included in the Company's Annual Report on Form 10-K, filed with the SEC on March 28, 2024. Reclassifications Certain previously reported financial information has been reclassified to conform to the current year presentation. For a discussion of the reclassification of the financial presentation of our former GoodWheat and body care brands reported as discontinued operations, see Discontinued Operations section below. Unless otherwise noted, amounts and disclosures throughout these notes to condensed consolidated financial statements relate solely to continuing operations and exclude all discontinued operations. Reverse Stock Split In February 2023, the Company's board of directors approved a reverse split of 40:1 on the Company's issued and outstanding common stock. On February 15, 2023, the Company's stockholders approved the certificate of amendment to the Company's certificate of incorporation, which the Company filed on February 27, 2023 with the Secretary of State of Delaware to effect the reverse split on March 1, 2023. As a result of the reverse stock split, 19,118 additional shares of common stock were issued in lieu of fractional shares. All issued and outstanding common stock, options to purchase common stock and per share amounts contained in the condensed consolidated financial statements have been retroactively adjusted to reflect the reverse stock split for all periods presented. Liquidity, Capital Resources, and Going Concern The accompanying condensed consolidated financial statements have been prepared on a going concern basis, which contemplates the realization of assets and the satisfaction of liabilities during the normal course of business. Since inception, the Company has financed its operations primarily through equity and debt financings. As of June 30, 2024, the Company had an accumulated deficit of \$273.2 million, cash and cash equivalents of \$5.5 million, short-term investments of \$2.6 million and current note receivable of \$1.8 million. For the six months ended June 30, 2024, the Company had net loss of \$1.4 million and net cash used in operations of \$5.7 million. For the twelve months ended December 31, 2023, the Company had net losses of \$14.0 million and net cash used in operations of \$15.3 million. With cash and cash equivalents of \$5.5 million, short-term investments of \$2.6 million and current note receivable of \$1.8 million as of June 30, 2024, the Company believes that its existing cash, cash equivalents and short-term investments will not be sufficient to meet its anticipated cash requirements for at least the next 12-18 months from the issuance date of these financial statements, and thus raises substantial doubt about the Company's ability to continue as a going concern. The financial statements do not include any adjustments that might result from the outcome of this uncertainty. The Company may seek to raise additional funds through debt or equity financings. The Company may also consider entering into additional partner arrangements. The sale of additional equity would result in dilution to the Company's stockholders. The incurrence of debt would result in debt service obligations, and the instruments governing such debt could provide for additional operating and financing covenants that would restrict operations. If the Company requires additional funds and is unable to secure adequate additional funding at terms agreeable to the Company, the Company may be forced to reduce spending, extend payment terms with suppliers, liquidate assets, or suspend or curtail planned product launches. Any of these actions could materially harm the business, results of operations and financial condition. Discontinued Operations On May 16, 2024, the Company sold the GoodWheat brand to Above Food Corp. GoodWheat operations ceased during the second quarter of 2024. In July 2023, management made the decision to exit its body care brands as a result of continued pressure on the CBD market due to regulatory uncertainty. Body care operations ceased during the third quarter of 2023. In accordance with the provisions of ASC 205-20, the Company has separately reported the assets and liabilities of the discontinued operations in the condensed consolidated balance sheets and the results of the discontinued operations as separate components on the condensed consolidated statements of operations and comprehensive loss for all periods presented. A Major classes of line items constituting the balance sheet of discontinued operations: A A GoodWheat A Body Care A (In thousands) A June 30, 2024 A December 31, 2023 A June 30, 2024 A December 31, 2023 Assets A Accounts receivable and other receivables A \$ 84 A \$ 8 A A Inventories, net A current A A A 1,121 A A A A Assets held for sale A 128 A A A Property and equipment, net A A A 314 A A A Inventories, net A noncurrent A 3,158 A A Total assets A \$ 212 A A \$ 4,601 A A Liabilities A Accounts payable and accrued expenses A \$ 240 A A \$ 500 A A Total liabilities A \$ 240 A A \$ 500 A A A Major classes of line items constituting net loss from discontinued operations: A A GoodWheat A Body Care A Three Months Ended June, A Six Months Ended June, A Three Months Ended June, A Six Months Ended June, A A 2024 A 2023 A 2024 A 2023 A 2024 A 2023 A (in thousands) A A A A A A Product revenue A \$ 179 A A \$ 35 A A \$ 447 A A \$ 184 A A \$ 58 A A \$ 336 A Cost of revenues A (342 ) A (189 ) A (691 ) A (349 ) A A (143 ) A A (280 ) Research and development A (133 ) A (364 ) A (400 ) A (710 ) A A Gain on sale of property and equipment A 91 A A 7 A A 89 A A 26 A A Selling, general and administrative A (584 ) A (1,496 ) A (1,710 ) A (2,970 ) A A (245 ) A A (567 ) Net loss from discontinued operations A \$ (789 ) A \$ (2,007 ) A \$ (2,265 ) A \$ (3,819 ) A A A (330 ) A A (511 ) The following table presents non-cash items of discontinued operations: A A GoodWheat A Body Care A Six Months Ended June 30, A Six Months Ended June 30, A (In thousands) A 2024 A 2023 A 2024 A 2023 A Depreciation A \$ 37 A A \$ 78 A A \$ 6 A Gain on disposal of property and equipment A (89 ) A (26 ) A A Write-down of inventories A A A 23 A A A Accounts receivable and other receivables A (76 ) A A (55 ) Inventories A \$ 575 A A (1,470 ) A A \$ 235 A Prepaid expenses and other current assets A A A A A A Accounts payable and accrued expenses A (261 ) A \$ 122 A A (21 ) Proceeds from sale of property and equipment A 162 A A \$ 37 A A A Proceeds from sale of property and equipment in accounts receivable and other receivables A \$ 84 A \$ 2 A A There were no other operating or investing non-cash items for the six months ended June 30, 2024 and 2023. 7 A 2. Recent Accounting Pronouncements In November 2023, the FASB issued ASU No. 2023-07, Segment Reporting (Topic 280) an Improvements to Reportable Segment Disclosures. The amendments in this update improve reportable segment disclosure requirements, primarily through enhanced disclosures about significant segment expenses. The new guidance is effective retrospectively for fiscal years beginning after December 15, 2023, and interim periods within fiscal years beginning after December 15, 2024, with early adoption permitted. The Company is currently evaluating the impact of this update on our segment disclosures. In December 2023, the FASB issued ASU No. 2023-09, Income Taxes (Topic 740) an Improvements to Income Tax Disclosures. The amendments in this update require additional income tax disclosures primarily related to the rate reconciliation and income taxes paid. The new guidance is effective either prospectively or retrospectively, for fiscal years beginning after December 15, 2024, with early adoption permitted. The Company is currently evaluating the impact of this update on our income tax disclosures. 3. Inventory Inventory costs are tracked on a lot-identified basis and are included as cost of revenues when sold. Inventories are stated at the lower of cost or net realizable value. The Company makes adjustments to inventory when conditions indicate that the net realizable value may be less than cost due to physical deterioration, obsolescence, changes in price levels, or other factors. Additional adjustments to inventory are made for excess and slow-moving inventory on hand that is not expected to be sold within a reasonable timeframe to reduce the carrying amount to its estimated net realizable value. The write-downs to inventory are included in cost of revenues and are based upon estimates about future demand from the Company's customers and distributors and market conditions. The Company recorded a write-down of \$169,000 and \$192,000 related to packaging materials and hemp seed during the three and six months ended June 30, 2023, respectively. There were no such write-downs of inventory during the three and six months ended June 30, 2024. If there are significant changes in demand and market conditions, substantial future write-downs of inventory may be required, which would materially increase the Company's expenses in the period the write down is taken and materially affect the Company's operating results. Inventories, net consist of the following (in thousands): A A June 30, 2024 A December 31, 2023 Raw materials A \$ 433 A A \$ 373 A Finished goods A 736 A A 660 A Inventories A \$ 1,169 A A \$ 1,033 A A 4. Property and Equipment, Net Property and equipment, net consisted of the following (in thousands): A A June 30, 2024 A December 31, 2023 Software and computer equipment A \$ 291 A A \$ 349 A Machinery and equipment A A A 34 A Furniture and fixtures A 32 A A 39 A Leasehold improvements A 1,584 A A 1,590 A Property and equipment, gross A 1,907 A A 2,012 A Less: accumulated depreciation and amortization A (1,853 ) A (1,942 ) Property and equipment, net A \$ 54 A A \$ 70 A A Depreciation expense was \$17,000 and \$48,000 for the three and six months ended June 30, 2024, respectively. Depreciation expense was \$29,000 and \$60,000 for the three and six months ended June 30, 2023, respectively. During the three and six months ended June 30, 2024 and 2023, there were no sales of property and equipment from continuing operations. Property and equipment are considered assets held for sale when management approves and commits to a plan to dispose of a property or group of properties. The property and equipment held for sale prior to the sale date is separately presented, within current assets, on the condensed consolidated balance sheet as assets held for sale. Property and equipment related to Archipelago of \$51,000 were classified as assets held for sale as of December 31, 2023. During the first quarter of 2024, the Company recorded an impairment of \$36,000 related to these assets. During the three months ended June 30, 2024, all Archipelago property and equipment previously held for sale were sold. 8 5

related to the March 2023 Private Placement and August 2022 Registered Direct offerings described in Note 10.

The contingent liability related to the Anawach acquisition was measured and recorded on a recurring basis as of June 30, 2024 and December 31, 2023, using unobservable inputs, namely the Company's ability and intent to pursue certain specific products developed using technology acquired in the purchase. A significant deviation in the Company's ability and/or intent to pursue the technology acquired in the purchase could result in a significantly lower (higher) fair value measurement. The preferred investment option liabilities were measured and recorded on a recurring basis using the Black-Scholes Model with the following assumptions as of June 30, 2024 and December 31, 2023:

	March 2023 Options - Series A	March 2023 Options - Series B	August 2022 Options - Series A	August 2022 Options - Series B
Options & August 2022 Placement Agent Options	\$ 6.00	\$ 6.00	\$ 6.00	\$ 6.00
Remaining term (in years)	3.66	4.16	4.10	4.61
Expected volatility	90.8%	91.7%	90.8%	91.7%
Risk-free interest rate	4.5%	3.9%	5.5%	5.2%
Expected dividend yield	0%	0%	0%	0%

The significant input used in the fair value measurement of the Company's Level 3 options liabilities is volatility. A significant increase (decrease) in volatility could result in a significantly higher (lower) fair value measurement. The following table sets forth the establishment of the Company's Level 3 assets and liabilities, as well as a summary of the changes in the fair value and other adjustments (in thousands):

	March 2023 Options - Series A	March 2023 Options - Series B	August 2022 Options - Series A	August 2022 Options - Series B
Total Balance as of December 31, 2023	\$ 1,008.4	\$ 41.4	\$ 46.4	\$ 159.4
Change in fair value (93%)	(41.4)	(5.4)	(23.4)	(1.4)
Balance as of June 30, 2024	\$ 967.0	\$ 36.0	\$ 23.0	\$ 158.0

Assets classified as held for sale are recorded at fair value as of June 30, 2024. The Company has classified the fair value measurements as a Level 3 measurement in the fair value hierarchy as the fair value has been estimated using publicly available prices for some of the assets, and business partners' estimates for assets with prices not readily available, due to the relatively small size of the industry in which they can be used.

Note Receivable On May 16, 2024, the Company sold the GoodWheat brand to Above Food Corp. ("Above Food") for net consideration of \$3.7 million. The assets sold consisted primarily of grain and finished goods inventories, formulations and trademarks. A loss of \$1,500 was recognized in the condensed consolidated statements of operations and comprehensive loss during the three months ended June 30, 2024 related to the sale. In connection with the transaction, Arcadia paid to Above Food \$2.0 million and received a \$6.0 million promissory note dated May 14, 2024. The promissory note has a term of three years and accrues interest at the Wall Street Journal prime rate. On each of the first, second and third anniversaries of the promissory note, accrued interest and \$2.0 million of principal are payable to Arcadia. The promissory note contains contingent features, including an option to convert a portion of the principal of the promissory note into publicly traded stock of Above Food as well as default provisions. The Company accounted for the promissory note as a note receivable in accordance with ASC 310. The Company did not elect the fair value option and since the Company intends to and has the ability to hold the promissory note to maturity, it has been classified as held for investment and is reported on the condensed consolidated balance sheet at amortized cost. The first installment payment due in 2025 is classified as current and the remaining installment payments due in 2026 and 2027 are classified as noncurrent on the condensed consolidated balance sheet. The contingent features of the promissory note were evaluated for bifurcation in accordance with ASC 815. The contingent features requiring bifurcation had an estimated fair value of \$250,000 as of the transaction date and as of June 30, 2024. The estimated fair value of the contingent features is reported in note receivable "noncurrent" on the condensed consolidated balance sheet as of June 30, 2024. The promissory note was recorded at a discount of \$545,000, which is being amortized over the term of the promissory note using the effective interest method. The Company recognized amortization and accrued interest of \$29,000 and \$67,000, respectively, in the condensed consolidated statements of operations and comprehensive loss during the three months ended June 30, 2024.

Consolidated Joint Venture In 2019, the Company and Legacy Ventures Hawaii, LLC, a Nevada limited liability company ("Legacy"), formed Archipelago Ventures Hawaii, LLC, a Delaware limited liability company and entered into a Limited Liability Company Operating Agreement (the "Operating Agreement"). The Company and Legacy formed Archipelago to develop, extract and commercialize hemp-derived products from industrial hemp grown in Hawaii. Pursuant to the Operating Agreement, a joint operating committee consisting of two individuals appointed by the Company and two individuals appointed by Legacy will manage Archipelago. As of June 30, 2024, the Company and Legacy hold 50.75% and 49.25% interests in Archipelago, respectively, and have made capital contributions to Archipelago of \$3.1 million and \$3.0 million, respectively, as determined by the joint operating committee. The Operating Agreement includes indemnification rights, non-competition obligations, and certain rights and obligations in connection with the transfer of membership interests, including rights of first refusal. The Company consolidates Archipelago in the condensed consolidated financial statements after eliminating intercompany transactions. Legacy's equity interests are presented as non-controlling interests on the condensed consolidated balance sheets. Refer to Note 1 for basis of presentation. In October 2021, Arcadia and Legacy mutually agreed to wind down the cultivation activities of Archipelago, due to regulatory challenges and a saturated hemp market.

Collaborative Arrangements In August 2017, the Company entered into a collaborative arrangement for the research, development and commercialization of our non-GMO RS durum wheat trait in North America. This collaborative arrangement was a contractual agreement with Corteva and involved a joint operating activity where both Arcadia and Corteva were active participants in the activities of the collaboration. Arcadia and Corteva participated in the research and development, and Arcadia had the primary responsibility for the intellectual property strategy while Corteva generally led the marketing and commercialization efforts. Both parties were exposed to significant risks and rewards of the collaboration and the agreement included both cost sharing and profit sharing. The activities were performed with no guarantee of either technological or commercial success. The Company accounted for research and development ("R&D") costs in accordance with ASC 730, Research and Development, which states R&D costs must be charged to expense as incurred. Accordingly, internal R&D costs are expensed as incurred. Third-party R&D costs are expensed when the contracted work has been performed or as milestone results are achieved.

On May 14, 2024, the Company sold its RS durum wheat trait to Corteva. Under the terms of the agreement, Arcadia retained certain rights to use the RS durum wheat trait. The Company received \$4.0 million in cash payment from Corteva during the three months ended June 30, 2024 and recorded a gain of the same amount as the trait had no carrying value on the condensed consolidated statement of operations and comprehensive income (loss) related to the transaction.

Leases Operating Leases As of June 30, 2024, the Company leases office space in Dallas, TX, Davis and Sacramento, CA, as well as additional buildings, land and equipment. Leases with an initial term of 12 months or less are not recorded on the balance sheet; the Company recognizes lease expense for these short-term leases on a straight-line basis. The Company subleases the Davis office to third parties. Some leases (the Dallas and Davis offices, a warehouse, and a copy machine) include one or more options to renew, with renewal terms that can extend the lease term from one to six years. The exercise of lease renewal options is at the Company's sole discretion. In January 2024, the Company exercised its option to renew the facility lease in American Falls, Idaho for one year through December 31, 2024. The lease renewal resulted in recognition of additional right-of-use asset and lease liability of \$86,000 on the condensed consolidated balance sheet. The Company's lease agreements do not contain any material variable lease payments, material residual value guarantees or material restrictive covenants. Leases consisted of the following (in thousands):

	June 30, 2024	December 31, 2023
Assets	\$ 513.4	\$ 792.4
Operating lease assets	\$ 513.4	\$ 792.4
Right of use asset	\$ 513.4	\$ 792.4
Current - Operating	\$ 563.4	\$ 852.4
Noncurrent - Operating	\$ 110.0	\$ 11.0
Total leased assets	\$ 673.4	\$ 803.4
Lease Cost Classification		
Three Months Ended June 30, 2024	\$ 155.4	\$ 155.4
Six Months Ended June 30, 2024	\$ 310.8	\$ 310.8
Operating lease cost	\$ 242.4	\$ 191.4
SG&A and R&D Expenses	\$ 141.4	\$ 110.4
Sublease income (1)	\$ (110.4)	\$ (262.4)
Net lease cost	\$ 273.4	\$ 44.4
Weighted-average discount rate	6.7%	6.0%

Equity Financing March 2023 Private Placement In March 2023, the Company issued in a private placement offering (the "March 2023 Private Placement") pursuant to a securities purchase agreement (the "March 2023 Purchase Agreement") (i) 165,500 shares of its common stock, (ii) pre-funded common stock purchase warrants (the "March 2023 Pre-Funded Warrants") to purchase up to 500,834 shares of common stock, at an exercise price of \$0.0001 per share, (iii) Series A preferred investment options (the "March 2023 Options - Series A") to purchase up to a total of 666,334 shares of common stock, at an exercise price of \$9.00 per share, and (iv) Series B preferred investment options (the "March 2023 Options - Series B", and together with the March 2023 Options - Series A, the "March 2023 Options") to purchase up to a total of 666,334 shares of common stock, at an exercise price of \$9.00 per share, and raised total gross proceeds of \$6.0 million. The March 2023 Private Placement closed on March 6, 2023. The March 2023 Pre-Funded Warrants became exercisable upon issuance and were fully exercised as of June 30, 2024. The March 2023 Options - Series A are exercisable at any time at the option of the holder and expire 5 years from the date of issuance. The March 2023 Options - Series B are exercisable at any time at the option of the holder and expire 1.5 years from the date of issuance. In connection with the March 2023 Private Placement, the Company entered into preferred investment option amendment agreements (the "Option Amendment Agreements") with certain investors. Under the Option Amendment Agreements, the Company agreed to amend certain existing warrants and preferred investment options to purchase up to a total of 178,132 shares of common stock that were previously issued to the investors in September 2019, May 2020, July 2020, December 2020, January 2021 and August 2022, with exercise prices of \$300.80, \$191.00, \$154.00, \$120.00, \$125.20 and \$37.35 per share, respectively (the "Existing Warrants"). Under the Option Amendment Agreements, the Company agreed to lower the exercise price of the Existing Warrants to \$9.00 per share. In addition, the Company granted to a placement agent preferred investment options to purchase a total of 33,317 shares of Common Stock (the "March 2023 Placement Agent Options") that have an exercise price per share equal to \$11.25 and a term of 5 years from the date of issuance. The re-pricing of the Existing Warrants resulted in an increase in fair value of \$404,000, of which \$185,000 of the increase in fair value was related to the August 2022 liability classified options. The increase in fair value related to the re-pricing of Existing Warrants was recognized in Valuation Loss on March 2023 PIPE on the condensed consolidated statements of operations and comprehensive income (loss). The March 2023 Options and March 2023 Placement Agent Options are classified as liabilities within Level 3 due to certain early settlement provisions that preclude them from equity classification. The Company utilized the Black-Scholes Model on March 6, 2023 with the following assumptions for the Series A Investment Options: volatility of 128.55%, stock price of \$7.61 and risk-free rate of 4.27%. The following assumptions were utilized for the Series B Investment Options: volatility of 103.33%, stock price of \$7.61 and risk-free rate of 4.97%. The estimated fair value of the liability classified March 2023 Options issued was \$6.6 million. The estimated fair value of the common stock option liabilities was subsequently remeasured at June 30, 2024 with the changes recorded on the Company's condensed consolidated statements of operations and comprehensive income (loss). The estimated fair value of the common stock issued and March 2023 Pre-Funded Warrants was \$5.1 million. The total estimated fair value of the common stock issued, March 2023 Pre-Funded Warrants and March 2023 Options as of March 6, 2023 exceeded the gross proceeds of the March 2023 Private Placement by \$5.7 million and this amount was recognized in Valuation Loss on March 2023 PIPE on the condensed consolidated statements of operations and comprehensive income (loss). The March 2023 Placement Agent Options were issued for services performed by the placement agent as part of the March 2023 Private Placement and were treated as offering costs. The value of the March 20

The 2015 Plan. Upon effectiveness of the 2015 Plan, 3,860 shares of common stock reserved for future issuance, which included 259 that were transferred to and assumed by the 2015 Plan. The 2015 Plan provides for automatic annual increases in shares available for grant. In addition, shares subject to awards under the 2006 Plan that are forfeited or canceled will be added to the 2015 Plan. The maximum number of shares that may be awarded to any individual employee, including our directors and officers, during any calendar year was 9,375 shares. The 2015 Plan provides for the grant of incentive stock options (ISOs), NSOs, restricted stock awards, stock units, stock appreciation rights, and other forms of equity compensation, all of which may be granted to employees, officers, non-employee directors, and consultants. The exercise price for ISOs and NSOs will be granted at a price per share not less than the fair value of our common stock at the date of grant. Options granted generally vest over a four-year period; however, there might be alternative vesting schedules, as approved by the Board. Options granted, once vested, are generally exercisable for up to 10 years, after grant to the extent vested. On June 25, 2024, the shareholders approved an amendment to the Company's 2015 Plan that increased the number of shares of common stock that may be issued under the 2015 Plan by 200,000 shares and increased the maximum number of shares of common stock issuable to employees, including our officers and directors, in any fiscal year from 9,375 shares to 50,000 shares. On February 2, 2022, Stanley Jacot, Jr. was hired as president and chief executive officer of the Company. The Company granted Mr. Jacot an inducement stock option to purchase 7,902 shares of the Company's common stock pursuant to Rule 5635(c)(4) of the Nasdaq Listing Rules. The Company has filed a registration statement on Form S-8 to register the issuance of shares upon exercise of this inducement stock option. The inducement options grants have been issued outside of the 2015 Plan, but are subject to the terms and conditions of the 2015 Plan. As of June 30, 2024, a total of 338,248 shares of common stock were reserved for issuance under the 2015 Plan, of which 282,280 shares of common stock are available for future grant. As of June 30, 2024, a total of 102 and 55,969 options are outstanding under the 2006 and 2015 Plans, respectively. As of December 31, 2023, a total of 102 and 71,609 options were outstanding under the 2006 and 2015 Plans, respectively. A total of 8,103 and 8,366 inducement options were outstanding as of June 30, 2024 and December 31, 2023, respectively. The following is a summary of stock option information and weighted average exercise prices under the Company's stock incentive plans (in thousands, except share data and price per share):

Aggregate Intrinsic Value	Outstanding	Balance at December 31, 2023	80,078	\$ 85.30	Options forfeited	(3,425)	21.71	Options expired	(12,479)	164.76	Outstanding	Balance at June 30, 2024	64,174	\$ 73.23	Vested and expected to vest	June 30, 2024	72,526	75.84	Exercisable	June 30, 2024	42,084	\$ 91.70	Aggregate intrinsic value represents the difference between the exercise price of the options and the estimated fair value of the Company's common stock determined by its Board of Directors for each of the respective periods. As of June 30, 2024, there was \$373,000 of unrecognized compensation cost related to unvested stock-based compensation grants that will be recognized over the weighted-average remaining recognition period of 1.1 years. In determining the fair value of the stock-based awards, the Company uses the Black-Scholes option-pricing model and assumptions discussed below. Each of these inputs is subjective and generally requires significant judgment to determine. Expected Term: The expected term is the estimated period of time outstanding for stock options granted and was estimated based on a simplified method allowed by the SEC, and defines the term as the average of the contractual term of the options and the weighted-average vesting period for all open employee awards. Expected Volatility: The historical volatility data was computed using the daily closing prices for the Company's shares during the equivalent period of the calculated expected term of the stock-based awards. Risk-Free Interest Rate: The risk-free interest rate is based on the interest rate of U.S. Treasuries of comparable maturities on the date the options were granted. Expected Dividend: The expected dividend yield is based on the Company's expectation of future dividend payouts to common stockholders. The fair value of stock option awards was estimated at the date of grant using the Black-Scholes option-pricing model with the following weighted-average assumption:
Three Months Ended June 30, 2024	Six Months Ended June 30, 2024	2023	Expected term (years)	2.0	2.0	2.0	Expected volatility	124%	124%	124%	Risk-free interest rate	3.59%	3.61%	Dividend yield	0%	0%	0%	There were no option grants during the three and six months ended June 30, 2024.					

The Company recognized \$102,000 and \$240,000 of compensation expense for stock options awards during the three and six months ended June 30, 2024, respectively. The Company recognized \$199,000 and \$411,000 of compensation expense for stock options awards during the three and six months ended June 30, 2023, respectively. The 2015 Employee Stock Purchase Plan (ESPP) became effective on May 14, 2015. The ESPP allows eligible employees to purchase shares of the Company's common stock at a discount of up to 15% of their eligible compensation through payroll deductions, subject to any plan limitations. After the first offering period, which began on May 14, 2015 and ended on February 1, 2016, the ESPP provides for six-month offering periods, and at the end of each offering period, employees are able to purchase shares at 85% of the lower of the fair market value of the Company's common stock on the first trading day of the offering period or on the last day of the offering period. As of June 30, 2024, the number of shares of common stock reserved for future issuance under the ESPP is 5,309. The ESPP provides for automatic annual increases in the shares available for purchase beginning on January 1, 2016. As of June 30, 2024, 5,971 shares had been issued under the ESPP. The Company recorded \$2,000 and \$4,000 of ESPP related compensation expense during the three and six months ended June 30, 2024, respectively. The Company recorded \$2,000 and \$3,000 of ESPP related compensation expense during the three and six months ended June 30, 2023, respectively. 13. Income Taxes: Income tax expense during interim periods is based on applying an estimated annual effective income tax rate to year-to-date income, plus any significant unusual or infrequently occurring items that are recorded in the interim period. The computation of the annual estimated effective tax rate at each interim period requires certain estimates and significant judgment including, but not limited to, the expected operating income for the year, projections of the proportion of income earned and taxed in various jurisdictions, permanent and temporary differences, and the likelihood of recovering deferred tax assets generated in the current year. The accounting estimates used to compute the provision for income taxes may change as new events occur, more experience is obtained, additional information becomes known, or as the tax environment changes. The interim financial statement provision for income taxes is different from the amounts computed by applying the United States federal statutory income tax rate of 21%. The Company's effective tax rate was 0.00% for each of the three and six months ended June 30, 2024 and 2023. The difference between the effective tax rate and the federal statutory rate of 21% was primarily due to the full valuation allowance recorded on the Company's net deferred tax assets. During the six months ended June 30, 2024, there were no material changes to the Company's uncertain tax positions. In February 2023, the Company received notification from the Internal Revenue Service that our Archipelago joint venture was selected for audit for the 2021 tax year. The Company received the Notice of Proposed Partnership Adjustment in July 2024 and plans to accept the adjustments. The Company is currently not under audit for state purposes. 14. Commitments and Contingencies: Leases: The Company leases office and warehouse space and equipment under operating lease agreements having initial lease terms ranging from one to five years, including certain renewal options available to the Company at market rates. The Company also leases land for field trials on a short-term basis. See Note 9. Legal Matters: From time to time, in the ordinary course of business, the Company may become involved in certain legal proceedings. The Company currently is not a party to any material litigation or other material legal proceedings. Contingent Liability Related to the Anawah Acquisition: In June 2005, the Company completed its agreement and plan of merger and reorganization with Anawah, to purchase the Anawah's food and agricultural research company through a non-cash stock purchase. Pursuant to the merger with Anawah, and in accordance with the ASC 805 - Business Combinations, the Company incurred a contingent liability not to exceed \$5.0 million. This liability represents amounts to be paid to Anawah's previous stockholders for cash collected on revenue recognized by the Company upon commercial sale of certain specific products developed using technology acquired in the purchase. During 2010, the Company ceased activities relating to three of the six Anawah product programs thus, the contingent liability was reduced to \$3.0 million. During 2016, one of the programs previously accrued for was abandoned and another program previously abandoned was reactivated. During 2019, the Company determined that one of the technologies was no longer active and decided to abandon the previously accrued program. As of June 30, 2024, the Company continues to pursue or are otherwise liable for a total of two development programs using this technology and believes that the contingent liability is probable. As a result, \$2.0 million remains on the condensed consolidated balance sheet as an other noncurrent liability. Contracts: The Company has entered into contract research agreements with unrelated parties that require the Company to pay certain funding commitments. The initial terms of these agreements range from one to three years in duration and in certain cases are cancelable. 17. The Company licenses certain technologies via executed agreements (In-Licensing Agreements) that are used to develop and advance the Company's own technologies. The Company has entered into various In-Licensing Agreements with related and unrelated parties that require the Company to pay certain license fees, royalties, and/or milestone fees. In addition, certain royalty payments ranging from 2% to 15% of net revenue amounts as defined in the In-Licensing Agreements are or will be due. The Company could be adversely affected by certain actions by the government as it relates to government contract revenue received in prior years. Government agencies, such as the Defense Contract Audit Agency routinely audit and investigate government contractors. These agencies review a contractor's performance under its agreements; cost structure; and compliance with applicable laws, regulations and standards. The agencies also review the adequacy of, and a contractor's compliance with, its internal control systems and policies, including the contractor's purchasing, property, estimating, compensation and management information systems. While the Company's management anticipates no adverse result from an audit, should any costs be found to be improperly allocated to a government agreement, such costs will not be reimbursed, or if already reimbursed, may need to be refunded. If an audit uncovers improper or illegal activities, civil and criminal penalties and administrative sanctions, including termination of contracts, forfeiture of profits, suspension of payments or fines, and suspension or prohibition from doing business with the government could occur. In addition, serious reputational harm or significant adverse financial effects could occur if allegations of impropriety were made against the Company. There currently are routine audits in process relating to government grant revenues. 15. Net Income (Loss) per Share: Basic net income (loss) per share is calculated by dividing net income (loss) attributable to common stockholders by the weighted-average number of common shares outstanding during the period and excludes any dilutive effects of stock-based awards and warrants. Diluted net income (loss) per share attributable to common stockholders is computed giving effect to all potentially dilutive common shares, including common stock issuable upon exercise of stock options and warrants. Dilutive securities are not included in the computation of net income (loss) per share when the impact would be anti-dilutive. Securities that were not included in the diluted per share calculations because they would be anti-dilutive were as follows (in shares):

Three Months Ended June 30, 2024	Six Months Ended June 30, 2024	2023	2024	2023	Options to purchase common stock													
64,174	84,755	64,174	84,755	Warrants to purchase common stock	261,466	266,957	261,466	266,957	Preferred investment options	1,489,952	1,489,952	1,489,952	1,489,952	1,815,592	1,815,592	1,815,592	1,815,592	16. Related-Party Transactions: The Company's related parties include Moral Compass Corporation (MCC) and the John Sperling Foundation (JSF). The rights to the intellectual property owned by Blue Horse Labs, Inc. (BHL) were assigned to its sole shareholder, the John Sperling Revocable Trust (JSRT) due to BHL's dissolution and then subsequently to the JSF. The JSF is deemed a related party of the Company because MCC, one of the Company's largest stockholder, and the JSF share common officers and directors. JSF receives a single digit royalty from the Company when revenue has been collected on product sales or for license payments from third parties that involve certain intellectual property developed under research funding originally from BHL. Royalty fees due to JSF were \$80,000 and \$58,000 as of June 30, 2024 and December 31, 2023, respectively, and are included in the condensed consolidated balance sheets as amounts due to related parties. 17. Subsequent Events: Management has evaluated subsequent events through August 13, 2024, the date that the financial statements were available to be issued. 18. ITEM 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS Special Note Regarding Forward-Looking Statements: The following discussion and analysis of our financial condition and results of operations should be read in conjunction with our unaudited condensed consolidated financial statements and the related notes to those statements included herein. In addition to historical financial information, this report contains forward-looking statements that involve risks and uncertainties. Our actual results could differ materially from those discussed in the forward-looking statements. The statements contained in this report that are not purely historical are forward-looking statements within the meaning of Section 27A of the Securities Act and Section 21E of the Securities Exchange Act of 1934, as amended, or the Exchange Act. Forward-looking statements are often identified by the use of words such as, but not limited to, anticipate, believe, expect, estimate, could, might, intend, may, plan, project, seek, should, strategy, target, will, would and similar expressions or variations intended to identify forward-looking statements. These statements are based on the beliefs and assumptions of our management based on information currently available to management. Such forward-looking statements are subject to risks, uncertainties and other important factors that could cause actual results and the timing of certain events to differ materially from

worldwide with estimates from 1% of the population in Europe to 3.5% in Mexico. Furthermore, non-celiac gluten sensitivity ("NCGS") impacts an estimated additional 6% of the population. Both CD and NCGS are characterized by sensitivity to dietary gluten. The only effective treatment of CD and NCGS requires removal of gluten sources from the diet. Since required adherence to a gluten-free diet is extremely difficult to accomplish for average consumers, efforts to develop alternative approaches are needed. Arcadia is continuing to advance a new wheat variety with reduced gluten levels. Our proprietary, non-GMO wheat variety developed using advanced screening and plant breeding techniques have reduced allergenic gluteins and increased essential amino acids such as lysine, along with all the other health benefits of high protein wheat. Importantly, this variety also delivers impressively high fiber content at approximately 14 grams per serving compared to 2-3 grams per serving of traditional wheat, providing additional value to health-conscious consumers as well as optionality as we advance the commercialization of this wheat trait through licensees and research partners. Improved Shelf Life of Whole Grain Flour The United States Department of Agriculture recommends that "at least one serving of grains per day must be whole grain-rich" due to evidence that a diet containing whole grains provides a multitude of benefits, including lower risk of obesity, cardiovascular disease, and type-2 diabetes. Despite these health benefits, consumption of whole grain products is negatively affected by the bitter and rancid flavors and odors that accumulate in whole wheat flour after milling. Our improved stability and flavor wheat lines greatly reduced the production of rancid and bitter compounds in milled whole grain flour as it progresses through the supply chain. Whole wheat flour from these lines is being tested further for sensory characteristics and improved shelf-life stability. This new trait could help improve the shelf life and flavor profile of whole grain products, thus reducing formulation costs and increasing consumer preference and palatability for whole grains. 20 **Discontinued Operations** As mentioned above, the Company exited the GoodWheat and body care brands. In accordance with the provisions of ASC 205-20, the Company has separately reported the assets and liabilities of the discontinued operations in the condensed consolidated balance sheets and the results of the discontinued operations as separate components on the condensed consolidated statements of operations and comprehensive income (loss) for all periods presented. See Note 1 to the condensed consolidated financial statements for further information on discontinued operations. Components of Our Statements of Operations Data Revenues Product revenues Product revenues consist primarily of sales of Zola and GLA products. We recognize revenue from product sales when control of the product is transferred to third-party distributors and manufacturers, collectively "our customers," which generally occurs upon delivery. Revenues fluctuate depending on the timing of shipments of product to our customers and are reported net of estimated chargebacks, returns and losses. License revenues License revenues consist of up-front, nonrefundable license fees, annual license fees, and subsequent milestone payments that we receive under our license agreements. Revenue generated from up-front license fees are recognized upon execution of the agreement. We recognize annual license fees when it is probable that a material reversal will not occur. Operating Expenses Cost of revenues Cost of revenues primarily relates to the sale of Zola products and consists primarily of product and freight costs. Adjustments or write-downs to inventory are also included in cost of revenues. Research and development expenses ("R&D") Research and development expenses consist of costs incurred in the development and testing of our products and other products in development incorporating our traits. These expenses currently consist primarily of fees paid to product formulation consultants and are expensed as incurred. Additionally, the Company is required from time to time to make certain milestone payments in connection with the development of technologies in-licensed from third parties. The Company's research and development expenses may fluctuate from period to period. Gain on sale of intangible assets Gain on sale of intangible assets consists of the gain on sale of our RS durum wheat trait to Corteva. Impairment of property and equipment Impairment of property and equipment includes losses from tangible assets due to impairment or recoverability test charges to write down fixed assets to their fair value or recoverability value. **Selling, general and administrative expenses** Selling, general and administrative expenses consist primarily of employee costs, professional service fees, broker and sales commission fees, and overhead costs. Our selling, general, and administrative expenses may fluctuate from period to period. In connection with our commercialization activities for our consumer products, we expect to increase our investments in sales and marketing, including additional consulting fees. 21 **Interest income** Interest income consists of interest income on our cash and cash equivalents and investments. Other income (loss), net Other income (loss), net consists of miscellaneous income or loss. Valuation loss on March 2023 PIPE Valuation loss on March 2023 PIPE includes the fair value in excess of gross proceeds and the increase in fair value related to the re-pricing of existing warrants. Change in the estimated fair value of common stock warrant and option liabilities Change in the estimated fair value of common stock warrant and option liabilities is comprised of the fair value remeasurement of the liabilities associated with our financing transactions. Issuance and offering costs allocated to liability classified options Issuance and offering costs generally include placement agent, legal, advisory, accounting and filing fees related to financing transactions. Net loss from discontinued operations Net loss from discontinued operations represents results of operations related to the discontinued GoodWheat and body care brands. See Note 1 to the condensed consolidated financial statements for further information on discontinued operations. Results of Operations Comparison of the Three Months Ended June 30, 2024 and 2023 

	2024	2023
(In thousands except percentage)		
Revenues:		
Product	\$ 1,306	\$ 1,287
License	\$ 19	\$ 1
Total revenues	\$ 1,325	\$ 1,288
Operating expenses (income):		
Cost of revenues	\$ 633	\$ 650
Research and development	\$ 10	\$ 27
Gain on sale of intangible assets	(4,000)	(4,000)
Selling, general and administrative	\$ 2,683	\$ 2,074
Total operating (income) expenses	\$ (74)	\$ 2,751
Income (loss) from continuing operations	\$ 1,980	\$ (463)
Interest income	\$ 150	\$ 207
Other income (loss), net	\$ 150	\$ 13
Change in fair value of common stock warrant and option liabilities	\$ 430	\$ 4,416
Income tax provision	\$ (1,306)	\$ (41)
Net income (loss) from continuing operations	\$ 1,850	\$ (300)
Body Care	\$ (1,850)	\$ (330)
GoodWheat	\$ (789)	\$ (2,007)
Net income (loss)	\$ 1,850	\$ (300)
Revenues	\$ 1,325	\$ 1,288
Operating expenses	\$ (74)	\$ 2,751
Income (loss) from continuing operations	\$ 1,980	\$ (463)
Interest income	\$ 150	\$ 207
Other income (loss), net	\$ 150	\$ 13
Change in fair value of common stock warrant and option liabilities	\$ 430	\$ 4,416
Income tax provision	\$ (1,306)	\$ (41)
Net income (loss)	\$ 1,850	\$ (300)

 During the three months ended June 30, 2024, the Company realized a gain of \$4.0 million related to the sale of its RS durum wheat trait to Corteva. There was no such gain recorded during the three months ended June 30, 2023. Selling, general, and administrative Selling, general, and administrative expenses increased by \$609,000, or 29%, during the three months ended June 30, 2024 compared to the same period in 2023 primarily driven by higher consulting and legal expenses related to the Corteva and Above Food transactions in 2024. Interest income During the three months ended June 30, 2024, the Company recognized interest income of \$150,000, of which \$96,000 was related to discount amortization and accrued interest on the promissory note from Above Food. The remaining difference was related to interest from investments. During the three months ended June 30, 2023, the Company recognized interest income of \$207,000 from investments. Other income (loss), net During the three months ended June 30, 2024, the Company recognized other income of \$150,000, of which \$117,000 was related to realized gains on investments. During the three months ended June 30, 2023, the Company recognized other loss of \$13,000. Change in the estimated fair value of common stock warrant and option liabilities The change in the estimated fair value of common stock warrant and option liabilities resulted in a loss of \$430,000 during the three months ended June 30, 2024 related to the change in the estimated fair value of the liability classified preferred investment options issued in connection with the March 2023 PIPE and August 2022 Registered Direct Offering financing transactions. The change in the estimated fair value of common stock warrant and option liabilities resulted in a gain of \$4.4 million during the three months ended June 30, 2023 related to the change in the estimated fair value of the liability classified preferred investment options issued in connection with the March 2023 PIPE and August 2022 Registered Direct Offering financing transactions. Net loss from discontinued operations Net loss from discontinued operations for Body Care was \$0 and \$330,000 during the three months ended June 30, 2024 and 2023 respectively. Net loss from discontinued operations for GoodWheat was \$789,000 and \$2.0 million during the three months ended June 30, 2024 and 2023, respectively. See Note 1 to the condensed consolidated financial statements for further information on discontinued operations. 23 **Comparison of the Six Months Ended June 30, 2024 and 2023**

	2024	2023
(In thousands except percentage)		
Revenues:		
Product	\$ 2,293	\$ 2,369
License	\$ (76)	\$ (3)
Total revenues	\$ 2,217	\$ 2,379
Operating expenses (income):		
Cost of revenues	\$ 1,104	\$ 1,178
Research and development	\$ 16	\$ 40
Gain on sale of intangible assets	(4,000)	(4,000)
Selling, general and administrative	\$ 4,745	\$ 4,671
Total operating (income) expenses	\$ 1,901	\$ 5,889
Income (loss) from continuing operations	\$ 392	\$ (3,510)
Interest income	\$ 195	\$ 405
Other income, net	\$ 195	\$ 153
Valuation loss on March 2023 PIPE	\$ (6,076)	\$ (6,076)
Change in fair value of common stock warrant and option liabilities	\$ 163	\$ 5,357
Income tax provision	\$ (5,194)	\$ (97)
Issuance and offering costs allocated to liability classified options	\$ (430)	\$ (430)
Net income (loss) from continuing operations	\$ 903	\$ (4,236)
Body Care	\$ (903)	\$ (423)
GoodWheat	\$ (2,265)	\$ (3,819)
Net income (loss)	\$ 903	\$ (4,236)
Revenues	\$ 2,217	\$ 2,379
Operating expenses	\$ (903)	\$ (4,236)
Income (loss) from continuing operations	\$ 392	\$ (3,510)
Interest income	\$ 195	\$ 405
Other income, net	\$ 195	\$ 153
Valuation loss on March 2023 PIPE	\$ (6,076)	\$ (6,076)
Change in fair value of common stock warrant and option liabilities	\$ 163	\$ 5,357
Income tax provision	\$ (5,194)	\$ (97)
Issuance and offering costs allocated to liability classified options	\$ (430)	\$ (430)
Net income (loss)	\$ 903	\$ (4,236)

 During the six months ended June 30, 2024, the Company realized a gain of \$4.0 million related to the sale of its RS durum wheat trait to Corteva. There was no such gain recorded during the six months ended June 30, 2023. 24 **Impairment of property and equipment** During the six months ended June 30, 2024, the Company recognized impairment of property and equipment held for sale of \$36,000. There was no such impairment of property and equipment during the six months ended June 30, 2023. Selling, general, and administrative Selling, general, and administrative expenses increased by \$74,000, or 2%, during the six months ended June 30, 2024 compared to the same period in 2023 primarily driven by higher consulting and legal expenses related to the Corteva and Above Food transactions in 2024. Interest income During the six months ended June 30, 2024, the Company recognized interest income of \$195,000, of which \$96,000 was related to discount amortization and accrued interest on the promissory note from Above Food. The remaining difference was related to interest from investments. During the six months ended June 30, 2023, the Company recognized interest income of \$405,000 from investments. Other income, net During the six months ended June 30, 2024, the Company recognized other income of \$153,000, of which \$117,000 was related to realized gains on investments. During the six months ended June 30, 2023, the Company recognized other income of \$19,000. Valuation loss on March 2023 PIPE During the six months ended June 30, 2023, the Company recognized a \$6.1 million valuation loss related to the March 2023 PIPE financing transaction. The valuation loss includes the fair value in excess of gross proceeds and the increase in fair value related to the re-pricing of existing warrants. Change in the estimated fair value of common stock warrant and option liabilities The change in the estimated fair value of common stock warrant and option liabilities resulted in a gain of \$163,000 and \$5.4 million during the six months ended June 30, 2024 and 2023, respectively, related to the change in the estimated fair value of the liability classified preferred investment options issued in connection with the March 2023 PIPE and August 2022 Registered Direct Offering financing transactions. Issuance and offering costs allocated to liability classified options Issuance and offering costs were \$430,000 during the six months ended June 30, 2023 and were related to the liability classified options issued in the March 2023 PIPE financing transaction. Net loss from discontinued operations Net loss from discontinued operations for Body Care was \$0 and \$511,000 during the six months ended June 30, 2024 and 2023, respectively. Net loss from discontinued operations for GoodWheat was \$2.3 million and \$3.8 million during the six months ended June 30, 2024 and 2023, respectively. See Note 1 to the condensed consolidated financial statements for further information on discontinued operations. Seasonality We and our commercial partners operate in different geographies around the world and conduct field trials used for data generation, which must be conducted during the appropriate growing seasons for particular crops and markets. Demand for coconut water products is generally higher in the summer months. The level of seasonality in our business overall is difficult to evaluate at this time due to our relatively limited number of commercialized products, our expansion into new geographical markets and our introduction of new products and traits. 25 **Liquidity & Capital Resources** We have funded our operations primarily with the net proceeds from our private and public offerings of our equity securities and debt, as well as proceeds from the sale of our products and payments under license agreements. Our principal use of cash is to fund our operations, which are primarily focused on commercializing our products. Our contractual obligations are primarily related to our operating leases for facilities, land and equipment. As of June 30, 2024, we had cash and cash equivalents of \$5.5 million, short-term investments of \$2.6 million and current note receivable of \$1.8 million. For the six months ended June 30, 2024, the Company had net losses of \$1.4 million and net cash used in operations of \$5.7 million. For the twelve months ended December 31, 2023, the Company had net losses of \$14.0 million and net cash used in operations of \$15.3 million. Going Concern We believe that our existing cash and cash equivalents, short-term investments and current note receivable will not be sufficient to meet our anticipated cash requirements for at least the next 12-18 months from the issuance date of these financial statements, and thus raises substantial doubt about the Company's ability to continue as a going concern. The financial statements do not include any adjustments that might result from the outcome of this uncertainty. We may seek to raise additional funds through debt or equity financings, if necessary. We may also consider entering into additional partner arrangements. Any sale of additional equity would result in dilution to our stockholders. Our incurrence of debt would result in debt service obligations, and the instruments governing our debt could provide for additional operating and financing covenants that would restrict our operations. If we require additional funds and are not able to secure adequate additional funding, we may be forced to reduce our spending, extend payment terms with our suppliers, liquidate assets, or suspend or curtail planned product launches. Any of these actions could materially harm our business, results of operations and financial condition. Liquidity The following table summarizes total current assets, current liabilities and working capital for the dates indicated (in thousands): 

	2024	2023
Current assets	\$ 12,434	\$ 14,972
Current liabilities	\$ 2,698	\$ 3,590
Working capital surplus	\$ 9,736	\$ 11,382
Cash Flows The following table summarizes our cash flows for the periods indicated (in thousands):		
Six Months Ended June 30, 2024		
Net cash (used in) provided by:		
Operating activities	\$ (5,666)	\$ (8,264)
Investing activities	\$ 4,647	\$ (4,401)
Financing activities	\$ 5	\$ 5,505
Net decrease in cash	\$ (1,014)	\$ (7,160)
Cash flows from operating activities		
Cash used in operating activities for the six months ended June 30, 2024,		
was \$5.7 million. With respect to our net loss of \$1.4 million, non-cash charges including \$85,000 of depreciation, \$240,000 of stock-based compensation, \$352,000 of lease amortization, and \$36,000 of impairment of property and equipment, were offset by the change in fair value of common stock warrant and option liabilities of \$163,000, amortization of note receivable discount of \$29,000, adjustments in our working capital accounts of \$229,000, a gain on disposal of property and equipment of \$89,000 and operating lease payments of \$507,000. Cash used in operating activities for the six months ended June 30, 2023, was \$8.3 million. With respect to our net loss of \$8.6 million, non-cash charges, including \$430,000 of issuance and offering costs, \$6.1 million of valuation loss recognized for the March 2023 PIPE, \$411,000 of stock-based compensation, \$357,000 of lease amortization, \$138,000 of depreciation and \$192,000 of write-downs of inventory, were offset by the change in fair value of common stock warrant and option liabilities of \$5.4 million, adjustments in our working capital accounts of \$1.5 million, a gain on disposal of property and equipment of \$26,000, and operating		



lease payments of \$382,000. 26 Å Cash flows from investing activities Cash provided by investing activities for the six months ended June 30, 2024 consisted of proceeds of \$162,000 from the sale of property and equipment, proceeds from the sale of investments of \$2.5 million, proceeds from the sale of our RS durum wheat trait of \$4.0 million, offset by cash paid related to the GoodWheat sale of \$2.0 million and \$16,000 of purchases of property and equipment. Cash provided by investing activities for the six months ended June 30, 2023 consisted of proceeds of \$37,000 from the sale of property and equipment as well as proceeds of \$569,000 from the sale of Verdeca, offset by \$5,000 of purchases of property and equipment and \$5.0 million of purchases of investments. Å Cash flows from financing activities Å Cash provided by financing activities for the six months ended June 30, 2024 consisted of proceeds from the purchase of ESPP shares of \$5,000. Å Cash provided by financing activities for the six months ended June 30, 2023 consisted of gross proceeds of \$6.0 million from the March 2023 PIPE financing transaction and proceeds from the purchase of ESPP shares of \$5,000, which were offset by payments of transaction costs related to the March 2023 PIPE financing transaction of \$497,000. Å Off-Balance Sheet Arrangements Since our inception, we have not engaged in any off-balance sheet arrangements, including the use of structured finance, special purpose entities, or variable interest entities other than Verdeca, which was disposed of in November 2020. Critical Accounting Policies and Estimates Our managementâ€™s discussion and analysis of our financial condition and results of operations is based on our financial statements, which have been prepared in accordance with GAAP. The preparation of these financial statements requires us to make estimates and assumptions that affect the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities at the date of the financial statements, as well as the reported revenue generated, and expenses incurred during the reporting periods. Our estimates are based on our historical experience and on various other factors that we believe are reasonable under the circumstances, the results of which form the basis for making judgments about the carrying value of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates under different assumptions or conditions. We consider our critical accounting policies and estimates to be revenue recognition, determination of the provision for income taxes, and net realizable value of inventory. 27 Å ITEM 3: QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK Not Required. ITEM 4: CONTROLS AND PROCEDURES Evaluation of Disclosure Controls and Procedures We maintain â€œdisclosure controls and procedures,â€ as such term is defined in Rule 13a-15(e) under the Securities Exchange Act of 1934, or Exchange Act, that are designed to ensure that information required to be disclosed by us in reports that we file or submit under the Exchange Act is recorded, processed, summarized, and reported within the time periods specified in Securities and Exchange Commission rules and forms, and that such information is accumulated and communicated to our management, including our President and Chief Executive Officer and our Chief Financial Officer, as appropriate, to allow timely decisions regarding required disclosure. In designing and evaluating our disclosure controls and procedures, management recognized that disclosure controls and procedures, no matter how well conceived and operated, can provide only reasonable, not absolute, assurance that the objectives of the disclosure controls and procedures are met. Our disclosure controls and procedures have been designed to meet reasonable assurance standards. Additionally, in designing disclosure controls and procedures, our management necessarily was required to apply its judgment in evaluating the cost-benefit relationship of possible disclosure controls and procedures. The design of any disclosure controls and procedures also is based in part upon certain assumptions about the likelihood of future events, and there can be no assurance that any design will succeed in achieving its stated goals under all potential future conditions. Based on their evaluation as of the end of the period covered by this Quarterly Report on Form 10-Q, our President and Chief Executive Officer and our Chief Financial Officer have concluded that, as of such date, our disclosure controls and procedures were effective at the reasonable assurance level. Changes in Internal Control over Financial Reporting There were no changes in our internal control over financial reporting (as such term is defined in Rule 13a-15(f) under the Exchange Act) identified in connection with the evaluation identified above that occurred during the quarter ended June 30, 2024 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting. 28 Å PART II. OTHER INFORMATION ITEM 1. LEGAL PROCEEDINGS Å We currently are not a party to any material litigation or other material legal proceedings. From time to time, we may be subject to legal proceedings and claims in the ordinary course of business. ITEM 1A. RISK FACTORS In addition to the other information set forth in this Quarterly Report, you should carefully consider the factors discussed in Part I, â€œItem 1A. Risk Factorsâ€ in our Annual Report on Form 10-K for the year ended December 31, 2023, which could materially affect our business, financial condition, liquidity or future results. The risks described in our Annual Report on Form 10-K are not the only risks facing our company. Additional risks and uncertainties not currently known to us or that we currently deem to be immaterial also may materially adversely affect our business, financial condition, liquidity or future results. ITEM 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS None. ITEM 3. DEFAULTS UPON SENIOR SECURITIES None. ITEM 4. MINE SAFETY DISCLOSURES Not applicable. ITEM 5. OTHER INFORMATION During the quarter ended June 30, 2024, no director or â€œofficerâ€ (as defined in Rule 16a-1(f) under the Exchange Act) of the Company adopted or terminated a â€œRule 10b5-1 trading arrangementâ€ or â€œnon-Rule 10b5-1 trading arrangement,â€ as each term is defined in Item 408(a) of Regulation S-K. 29 Å ITEM 6. EXHIBITS The following exhibits are attached hereto or are incorporated herein by reference. Å Å Å Å Incorporated by Reference Å Å ExhibitNumber Exhibit Description Å Form Å File No. Å Exhibit Å Filing Date Å Filed Herewith Å Å Å Å Å Å Å Å 10.1+\*\* Å Asset Purchase Agreement Å 8-K Å 001-37383 Å 10.1 Å 5/17/2024 Å Å Å Å Å Å Å Å 10.2+\*\* Å Asset Purchase Agreement Å 8-K Å 001-37383 Å 10.1 Å 5/20/2024 Å Å Å Å Å Å Å Å 10.3 Å Promissory Note Å 8-K Å 001-37383 Å 10.2 Å 5/20/2024 Å Å Å Å Å Å Å Å 10.4 Å Security Agreement Å 8-K Å 001-37383 Å 10.3 Å 5/20/2024 Å Å Å Å Å Å Å Å 10.5\* Å 2015 Omnibus Equity Incentive Plan and forms of agreement thereunder Å 8-K Å 001-37383 Å Å Å X Å Å Å Å Å Å Å Å 10.6\* Å Separation Agreement for Stanley Jacot Jr. Å 8-K Å 001-37383 Å 10.1 Å 7/8/2024 Å Å Å Å Å Å Å Å Å Å Å Å Å Å 31.1 Principal Executive Officerâ€™s Certifications Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 Å Å Å Å Å Å Å Å X Å Å Å Å Å Å Å Å Å Å Å Å Å Å 31.2 Principal Financial Officerâ€™s Certifications Pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 Å Å Å Å Å Å Å Å X Å Å Å Å Å Å Å Å Å Å Å Å Å Å 32.2(1) Certification Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002 Å Å Å Å Å Å Å Å X Å Å Å Å Å Å Å Å Å Å Å Å Å 101.INS Inline XBRL Instance Document - the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document Å Å Å Å Å Å Å Å X Å Å Å Å Å Å Å Å Å Å Å Å Å 101.SCH Inline XBRL Taxonomy Extension Schema With Embedded Linkbase Documents Å Å Å Å Å Å Å Å X Å Å Å Å Å Å Å Å Å Å Å Å Å 104.1 Å Cover page from the Company's Quarterly Report on Form 10-Q for the quarter ended June 30, 2024, formatted in inline XBRL (and contained in Exhibit 101) Å Å Å Å Å Å Å Å X Å (1) This certification is deemed not filed for purpose of Section 18 of the Exchange Act or otherwise subject to the liability of that section, nor shall it be deemed incorporated by reference into any filing under the Securities Act or the Exchange Act. \* Represents a compensatory plan or arrangement. \*\* Non-material schedules and exhibits have been omitted pursuant to Item 601(a)(5) of Regulation S-K. The Registrant hereby undertakes to furnish supplementally copies of any of the omitted schedules and exhibits upon request by the SEC. + Certain marked information has been omitted from this exhibit because it is both not material and would be competitively harmful if publicly disclosed. 30 Å SIGNATURES Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized. Å Arcadia Biosciences, Inc. Å Å August 13, 2024 Å By: /s/ THOMAS J. SCHAEFER Å Å Thomas J. Schaefer Å Å President and Chief Executive Officer Å August 13, 2024 Å By: /s/ MARK KAWAKAMI Å Å Mark Kawakami Å Å Chief Financial Officer Å Å 31 EX-10.5 Å Exhibit 10.5 ARCADIA BIOSCIENCES, INC. 2015 OMNIBUS EQUITY INCENTIVE PLAN (As Amended) 1. Purposes of the Plan. The purposes of this Plan are (a) to attract and retain the best available personnel to ensure the Companyâ€™s success and accomplish the Companyâ€™s goals; (b) to incentivize Employees, Directors and Independent Contractors with long-term equity-based compensation to align their interests with the Companyâ€™s stockholders, and (c) to promote the success of the Companyâ€™s business. The Plan permits the grant of Incentive Stock Options, Nonstatutory Stock Options, Restricted Stock, Restricted Stock Units, Stock Appreciation Rights, Performance Units and Performance Shares. 2. Definitions. As used herein, the following definitions will apply: (a) â€œAdministratorâ€ means the Board or any of its Committees as will be administering the Plan, in accordance with Section 4 of the Plan. (b) â€œApplicable Lawsâ€ means the requirements relating to the administration of equity-based awards under U.S. state corporate laws, U.S. federal and state securities laws, the Code, any stock exchange or quotation system on which the Common Stock is listed or quoted and the applicable laws of any foreign country or jurisdiction where Awards are, or will be, granted under the Plan. (c) â€œAwardâ€ means, individually or collectively, a grant under the Plan of Options, Stock Appreciation Rights, Restricted Stock, Restricted Stock Units, Performance Units or Performance Shares. (d) â€œAward Agreementâ€ means the written or electronic agreement setting forth the terms and provisions applicable to each Award granted under the Plan. The Award Agreement is subject to the terms and conditions of the Plan. (e) â€œBoardâ€ means the Board of Directors of the Company. (f) â€œChange in Controlâ€ except as may otherwise be provided in a Stock Option Agreement, Restricted Stock Agreement or other applicable agreement, means the occurrence of any of the following: (i) The consummation of a merger or consolidation of the Company with or into another entity or any other corporate reorganization, if the Companyâ€™s stockholders immediately prior to such merger, consolidation or reorganization cease to directly or indirectly own immediately after such merger, consolidation or reorganization at least a majority of the combined voting power of the continuing or surviving entityâ€™s securities outstanding immediately after such merger, consolidation or other reorganization; (ii) The consummation of the sale, transfer or other disposition of all or substantially all of the Companyâ€™s assets (other than (x) to a corporation or other entity of which at least a majority of its combined voting power is owned directly or indirectly by the Company, (y) to a corporation or other entity owned directly or indirectly by the stockholders of the Company in substantially the same proportions as their ownership of the Common Stock of the Company or (z) to a continuing or surviving entity described in Section 2(f)(i) in connection with a merger, consolidation or corporate reorganization which does not result in a Change in Control under Section 2(f)(ii); (iii) A change in the effective control of the Company which occurs on the date that a majority of members of the Board is replaced during any twelve (12) month period by Directors whose appointment or election is not endorsed by a majority of the members of the Board prior to the date of the appointment or election. For purposes of this clause, if any Person (as defined below in Section 2(f)(iv)) is considered to be in effective control of the Company, the acquisition of additional control of the Company by the same Person will not be considered a Change in Control; Å (iv) The consummation of any transaction as a result of which any Person becomes the â€œbeneficial ownerâ€ (as defined in Rule 13d-3 under the Exchange Act), directly or indirectly, of securities of the Company representing at least fifty percent (50%) of the total voting power represented by the Companyâ€™s then outstanding voting securities. For purposes of this Paragraph (iv), the term â€œpersonâ€ shall have the same meaning as when used in sections 13(d) and 14(d) of the Exchange Act but shall exclude: (1) a trustee or other fiduciary holding securities under an employee benefit plan of the Company or an affiliate of the Company; (2) a corporation or other entity owned directly or indirectly by the stockholders of the Company in substantially the same proportions as their ownership of the Common Stock of the Company; (3) the Company; and (4) a corporation or other entity of which at least a majority of its combined voting power is owned directly or indirectly by the Company; or (v) A complete winding up, liquidation or dissolution of the Company. A transaction shall not constitute a Change in Control if its sole purpose is to change the state of the Companyâ€™s incorporation or to create a holding company that will be owned in substantially the same proportions by the persons who held the Companyâ€™s securities immediately before such transactions. (g) â€œCodeâ€ means the Internal Revenue Code of 1986, as amended. Reference to a specific section of the Code or regulation thereunder shall include such section or regulation, any valid regulation promulgated under such section, and any comparable provision of any future legislation or regulation amending, supplementing or superseding such section or regulation. (h) â€œCommitteeâ€ means a committee of Directors or of other individuals satisfying Applicable Laws appointed by the Board in accordance with Section 4 hereof. (i) â€œCommon Stockâ€ means the common stock of the Company. (j) â€œCompanyâ€ means Arcadia Biosciences, Inc., an Arizona corporation, or any successor thereto. (k) â€œDirectorâ€ means a member of the Board. (l) â€œDisabilityâ€ means total and permanent disability as defined in Section 22(e)(3) of the Code, provided that in the case of Awards other than Incentive Stock Options, the Administrator in its discretion may determine whether a permanent and total disability exists in accordance with uniform and non-discriminatory standards adopted by the Administrator from time to time. (m) â€œEmployeeâ€ means any person, including Officers and Directors, employed by the Company or any Parent or Subsidiary of the Company. Neither service as a Director nor payment of a directorâ€™s fee by the Company will be sufficient to constitute â€œemploymentâ€ by the Company. (n) â€œExchange Actâ€ means the Securities Exchange Act of 1934, as amended. (o) â€œExchange Programâ€ means a program established by the Committee under which outstanding Awards are amended to provide for a lower Exercise Price or surrendered or cancelled in exchange for (i) Awards with a lower exercise price, (ii) a different type of Award or awards under a different equity incentive plan, (iii) cash, or (iv) a combination of (i), (ii) and/or (iii). Notwithstanding the preceding, the term Exchange Program does not include any (i) action described in Section 13 or any action taken in connection with a change in control transaction nor (ii) transfer or other disposition permitted under Section 12. For the purpose of clarity, each of the actions described in the prior sentence, none of which constitute an Exchange Program, may be undertaken (or authorized) by the Committee in its sole discretion without approval by the Companyâ€™s stockholders. (p) â€œFair Market Valueâ€ means, as of any date, the value of Common Stock determined as follows: (i) If the Common Stock is listed on any established stock exchange or a national market system, including without limitation the New York Stock Exchange, the Nasdaq Global Select Market, the Å Nasdaq Global Market or the Nasdaq Capital Market of The Nasdaq Stock Market, its Fair Market Value will be the closing sales price for such stock (or the closing bid, if no sales were reported) as quoted on such exchange or system on the day of determination, as reported in The Wall Street Journal or such other source as the Administrator deems reliable; (ii) If the Common Stock is regularly quoted by a recognized securities dealer but selling prices are not reported, the Fair Market Value of a Share will be the mean between the high bid and low asked prices for the Common Stock as of the close of market on the day of determination, as reported in The Wall Street Journal or such other source as the Administrator deems reliable; (iii) For purposes of any Awards granted on the Registration Date, the Fair Market Value will be the initial price to the public as set forth in the final prospectus included within the registration statement in Form S-1 filed with the Securities and Exchange Commission for the initial public offering of the Companyâ€™s Common Stock; or (iv) In the absence of an established market for the Common Stock, the Fair Market Value will be determined in good faith by the Administrator. (q) â€œFiscal Yearâ€ means the fiscal year of the Company. (r) â€œIncentive Stock Optionâ€ means an Option intended to qualify as an incentive stock option within the meaning of Section 422 of the Code and the regulations promulgated thereunder. (s) â€œIndependent Contractorâ€ means any person, including an advisor, consultant or agent engaged by the Company or a Parent or Subsidiary to render services to such entity. (t) â€œInside Directorâ€ means a Director who is an Employee. (u) â€œNonstatutory Stock Optionâ€ means an Option that by its terms does not qualify or is not intended to qualify as an Incentive Stock Option. (v) â€œOfficerâ€ means a person who is an officer of the Company within the meaning of Section 16 of the Exchange Act and the rules and regulations promulgated thereunder. (w) â€œOptionâ€ means a stock option granted pursuant to the Plan. (x) â€œOutside Directorâ€ means a Director who is not an Employee. (y) â€œParentâ€ means any corporation (other than the Company) in an unbroken chain of corporations ending with the Company if each of the corporations other than the Company owns stock possessing fifty percent (50%) or more of the total combined voting power of all classes of stock in one of the other corporations in such chain. A corporation that attains the status of a Parent on a date after the adoption of the Plan shall be considered a Parent commencing as of such date. (z) â€œParticipantâ€ means the holder of an outstanding Award. (aa) â€œPerformance Goalâ€ means a performance goal established by the Committee pursuant to Section 10(c) of the Plan. (bb) â€œPerformance Shareâ€ means an Award denominated in Shares which may be earned in whole or in part upon attainment of Performance Goals or other vesting criteria as the Administrator may determine pursuant to Section 10. (cc) â€œPerformance Unitâ€ means an Award which may be earned in whole or in part upon attainment of Performance Goals or other vesting criteria as the Administrator may determine and which may be settled for cash, Shares or other securities or a combination of the foregoing pursuant to Section 10. (dd) â€œPeriod of Restrictionâ€ means the period during which the transfer of Shares of Restricted Stock are subject to restrictions and therefore, the Shares are subject to a substantial risk of forfeiture. Such restrictions may be based on the passage of time, the achievement of target levels of performance, or the occurrence of other events as determined by the Administrator. (ee) â€œPlanâ€ means this 2015 Omnibus Equity Incentive Plan. Å (ff) â€œRegistration Dateâ€ means the effective date of the first registration statement that is filed by the Company and declared effective pursuant to Section 12(g) of the Exchange Act, with respect to any class of the Companyâ€™s securities. (gg) â€œRestricted Stockâ€ means Shares issued pursuant to a Restricted Stock award under Section 7 of the Plan. (hh) â€œRestricted Stock Unitâ€ means a bookkeeping entry representing the number of Shares into which the dollar amount of the Award has been converted based upon the Fair Market Value per Share at the close of market on the date of the Award. Upon vesting, or the lapse of restrictions thereon, each Restricted Stock Unit will be converted into a Share on a one-for-one basis. Each Restricted Stock Unit represents an unfunded and unsecured obligation of the Company. (ii) â€œRule 16b-3â€ means Rule 16b-3 of the Exchange Act or any successor to Rule 16b-3, as in effect when discretion is being exercised



with respect to the Plan. (j) ~~the~~Section 16(b)~~the~~ means Section 16(b) of the Exchange Act. (k) ~~the~~Service Provider~~the~~ means an Employee, Director or Independent Contractor. (l) ~~the~~Share~~the~~ means a share of the Common Stock, as adjusted in accordance with Section 13 of the Plan. (m) ~~the~~Stock Appreciation Right~~the~~ means an Award, granted alone or in connection with an Option, that pursuant to Section 9 is designated as a Stock Appreciation Right. (nn) ~~the~~Subsidiary~~the~~ means any corporation (other than the Company) in an unbroken chain of corporations beginning with the Company if each of the corporations other than the last corporation in the unbroken chain owns stock possessing fifty percent (50%) or more of the total combined voting power of all classes of stock in one of the other corporations in such chain. A corporation that attains the status of a Subsidiary on a date after the adoption of the Plan shall be considered a Subsidiary commencing as of such date. 3. Stock Subject to the Plan. (a) Stock Subject to the Plan. Subject to the provisions of Section 13 of the Plan, the maximum aggregate number of Shares that may be issued under the Plan is 338,243 Shares plus (i) any Shares that, as of the Registration Date, have been reserved but not issued pursuant to any awards granted under the Company~~the~~'s 2006 Stock Plan (as Amended and Restated on May 4, 2012) (the ~~Existing Plan~~) and are not subject to any awards granted thereunder, and (ii) any Shares subject to awards under the Existing Plan that otherwise would have been returned to the Existing Plan after the Registration Date on account of the expiration, cancellation or forfeiture of awards granted thereunder, with the maximum number of Shares to be added to the Plan pursuant to clauses (i) and (ii) equal to 5,329 Shares. The Shares may be authorized, but unissued, or reacquired Common Stock. Notwithstanding the foregoing and, subject to adjustment as provided in Section 13, the maximum number of Shares that may be issued upon the exercise of Incentive Stock Options will equal 75,000 Shares, plus, to the extent allowable under Section 422 of the Code and the Treasury Regulations promulgated thereunder, any Shares that become available for issuance under the Plan pursuant to Section and 3(c). (b) Automatic Share Reserve Increase. The number of Shares available for issuance under the Plan will be increased on the first day of each Fiscal Year beginning with the 2016 Fiscal Year, in an amount equal to the least of (i) four percent (4%) of the outstanding Shares on the last day of the immediately preceding Fiscal Year or (ii) such number of Shares determined by the Board. (c) Lapsed Awards. To the extent an Award expires, is surrendered pursuant to an Exchange Program or becomes unexercisable without having been exercised or, with respect to Restricted Stock, Restricted Stock Units, Performance Units or Performance Shares, is forfeited to or repurchased by the Company due to failure to vest, the unpurchased Shares (or for Awards other than Options or Stock Appreciation Rights the forfeited or repurchased Shares), which were subject thereto will become available for future grant or sale under the Plan (unless the Plan has terminated). Notwithstanding the foregoing (and except with respect to Shares of Restricted Stock that are forfeited rather than vesting), Shares that have actually been issued under the Plan under any Award will not be returned to the Plan and will not become available for future distribution under the Plan; provided, however, that if Shares issued pursuant to Awards of Restricted ~~A~~ Stock, Restricted Stock Units, Performance Shares or Performance Units are repurchased by the Company or are forfeited to the Company, such Shares will become available for future grant under the Plan. Shares used to pay the exercise price of an Award or to satisfy the tax withholding obligations related to an Award will become available for future grant or sale under the Plan. To the extent an Award under the Plan is paid out in cash rather than Shares, such cash payment will not result in reducing the number of Shares available for issuance under the Plan. 4. Administration of the Plan. (a) Procedure. (i) Multiple Administrative Bodies. Different Committees with respect to different groups of Service Providers may administer the Plan. (ii) Section 162(m). To the extent that the Administrator determines it to be desirable to qualify Awards granted hereunder as ~~performance-based compensation~~ within the meaning of Section 162(m) of the Code, the Plan will be administered by a Committee of two (2) or more ~~outside directors~~ within the meaning of Section 162(m) of the Code. (iii) Rule 16b-3. To the extent desirable to qualify transactions hereunder as exempt under Rule 16b-3, the transactions contemplated hereunder will be structured to satisfy the requirements for exemption under Rule 16b-3. (iv) Other Administration. Other than as provided above, the Plan will be administered by (A) the Board or (B) a Committee, which committee will be constituted to satisfy Applicable Laws. (b) Powers of the Administrator. Subject to the provisions of the Plan, the Administrator will have the authority, in its discretion: (i) to determine the Fair Market Value in accordance with Section 2(p)(i-iv) herein; (ii) to select the Service Providers to whom Awards may be granted hereunder; (iii) to determine the number of Shares to be covered by each Award granted hereunder; (iv) to approve forms of Award Agreements for use under the Plan; (v) to determine the terms and conditions, not inconsistent with the terms of the Plan, of any Award granted hereunder. Such terms and conditions include, but are not limited to, the exercise price, the time or times when Awards may be exercised (which may be based on performance criteria), any vesting acceleration or waiver of forfeiture restrictions, and any restriction or limitation regarding any Award or the Shares relating thereto, based in each case on such factors as the Administrator will determine; (vi) to construe and interpret the terms of the Plan and Awards granted pursuant to the Plan; (vii) to prescribe, amend and rescind rules and regulations relating to the Plan, including rules and regulations established for the purpose of satisfying applicable foreign laws, for qualifying for favorable tax treatment under applicable foreign laws or facilitating compliance with foreign laws; sub-plans may be created for any of these purposes; (viii) to modify or amend each Award (subject to Section 18 of the Plan), including but not limited to the discretionary authority to extend the post-termination exercisability period of Awards and to extend the maximum term of an Option (subject to Section 6(b) of the Plan regarding Incentive Stock Options); (ix) to allow Participants to satisfy withholding tax obligations in such manner as prescribed in Section 14 of the Plan; (x) to authorize any person to execute on behalf of the Company any instrument required to effect the grant of an Award previously granted by the Administrator; (xi) to allow a Participant to defer the receipt of the payment of cash or the delivery of Shares that would otherwise be due to such Participant under an Award; and (xii) to make all other determinations deemed necessary or advisable for administering the Plan. ~~A~~ (c) Effect of Administrator~~the~~'s Decision. The Administrator~~the~~'s decisions, determinations and interpretations will be final and binding on all Participants and any other holders of Awards. (d) Exchange Program. Notwithstanding anything in this Section 4, the Committee shall not implement an Exchange Program without the approval of the holders of a majority of the Shares that are present in person or by proxy and entitled to vote at any annual or special meeting of Company~~the~~'s stockholders. (e) Delegation by the Committee. The Committee, in its sole discretion and on such terms and conditions as it may provide, may delegate all or any part of its authority and powers under the Plan to one or more Directors or Officers of the Company; provided, however, that the Committee may not delegate its authority and powers (a) with respect to an Officer or (b) in any way which would jeopardize the Plan~~the~~'s qualification under Code Section 162(m) or Rule 16b-3. 5. Award Eligibility and Limitations. (a) Award Eligibility. Nonstatutory Stock Options, Stock Appreciation Rights, Restricted Stock, Restricted Stock Units, Performance Shares and Performance Units may be granted to Service Providers. Incentive Stock Options may be granted only to Employees. (b) Award Limitations. The following limits shall apply to the grant of any Award if, at the time of grant, the Company is a ~~publicly held corporation~~ within the meaning of Section 162(m) of the Code: (i) Options and Stock Appreciation Rights. Subject to adjustment as provided in Section 13, no Employee shall be granted within any fiscal year of the Company one or more Options or Stock Appreciation Rights, which in the aggregate cover more than 50,000 Shares reserved for issuance under the Plan; provided, however, that in connection with an Employee~~the~~'s initial service as an Employee, an Employee may be granted Options or Stock Appreciation Rights, which in the aggregate cover up to an additional 50,000 Shares reserved for issuance under the Plan. (ii) Restricted Stock and Restricted Stock Units. Subject to adjustment as provided in Section 13, no Employee shall be granted within any fiscal year of the Company one or more awards of Restricted Stock or Restricted Stock Units, which in the aggregate cover more than 50,000 Shares reserved for issuance under the Plan; provided, however, that in connection with an Employee~~the~~'s initial service as an Employee, an Employee may be granted Restricted Stock or Restricted Stock Units, which in the aggregate cover up to an additional 50,000 Shares reserved for issuance under the Plan. (iii) Performance Units and Performance Shares. Subject to adjustment as provided in Section 13, no Employee shall receive Performance Units or Performance Shares having a grant date value (assuming maximum payout) greater than five million dollars (\$5 million) or covering more than 50,000 Shares, whichever is greater; provided, however, that in connection with an Employee~~the~~'s initial service as an Employee, an Employee may receive Performance Units or Performance Shares having a grant date value (assuming maximum payout) of up to an additional amount equal to five million dollars (\$5 million) or covering up to 50,000 Shares, whichever is greater. No Participant may be granted more than one award of Performance Units or Performance Shares for the same Performance Period. 6. Stock Options. (a) Limitations. Each Option will be designated in the Award Agreement as either an Incentive Stock Option or a Nonstatutory Stock Option. However, notwithstanding such designation, to the extent that the aggregate Fair Market Value of the Shares with respect to which Incentive Stock Options are exercisable for the first time by the Participant during any calendar year (under all plans of the Company and any Parent or Subsidiary) exceeds one hundred thousand dollars (\$100,000), such Options will be treated as Nonstatutory Stock Options. For purposes of this Section 6(a), Incentive Stock Options will be taken into account in the order in which they were granted and in accordance with Section 2(p)(i-iv). The Fair Market Value of the Shares will be determined as of the day/date the Option with respect to such Shares is granted. With respect to the Committee~~the~~'s authority in Section 4(b)(viii), if, at the time of any such extension, the exercise price per Share of the Option is less than the Fair Market Value of a Share, the extension shall, unless otherwise determined by the Committee, be limited to the earlier of (1) the maximum term of the Option as set by its original terms, or (2) ten (10) years from the grant date. Unless otherwise determined by the Committee, any extension of the term of an Option pursuant to this Section 4(b)(viii) shall comply with Code Section 409A to the extent necessary to avoid taxation thereunder. ~~A~~ (b) Term of Option. The term of each Option will be stated in the Award Agreement. In the case of an Incentive Stock Option, the term will be ten (10) years from the date of grant or such shorter term as may be provided in the Award Agreement. Moreover, in the case of an Incentive Stock Option granted to a Participant who, at the time the Incentive Stock Option is granted, owns stock representing more than ten percent (10%) of the total combined voting power of all classes of stock of the Company or any Parent or Subsidiary, the term of the Incentive Stock Option will be five (5) years from the date of grant or such shorter term as may be provided in the Award Agreement. (c) Option Exercise Price and Consideration. (i) Exercise Price. The per share exercise price for the Shares to be issued pursuant to exercise of an Option will be determined by the Administrator, subject to the following: (1) In the case of an Incentive Stock Option (A) granted to an Employee who, at the time the Incentive Stock Option is granted, owns stock representing more than ten percent (10%) of the voting power of all classes of stock of the Company or any Parent or Subsidiary, the per Share exercise price will be no less than one hundred ten percent (110%) of the Fair Market Value per Share on the date of grant. (B) granted to any Employee other than an Employee described in paragraph (A) immediately above, the per Share exercise price will be no less than one hundred percent (100%) of the Fair Market Value per Share on the date of grant. (2) In the case of a Nonstatutory Stock Option, the per Share exercise price will be no less than one hundred percent (100%) of the Fair Market Value per Share on the date of grant. (3) Notwithstanding the foregoing, Options may be granted with a per Share exercise price of less than one hundred percent (100%) of the Fair Market Value per Share on the date of grant pursuant to a transaction described in, and in a manner consistent with, Section 424(a) of the Code. (ii) Waiting Period and Exercise Dates. At the time an Option is granted, the Administrator will fix the period within which the Option may be exercised and will determine any conditions that must be satisfied before the Option may be exercised. (iii) Form of Consideration. The Administrator will determine the acceptable form of consideration for exercising an Option, including the method of payment. In the case of an Incentive Stock Option, the Administrator will determine the acceptable form of consideration at the time of grant. Such consideration for both types of Options may consist entirely of: (1) cash; (2) check; (3) promissory note, to the extent permitted by Applicable Laws, (4) other Shares, provided that such Shares have a Fair Market Value on the date of surrender equal to the aggregate exercise price of the Shares as to which such Option will be exercised and provided that accepting such Shares will not result in any adverse accounting consequences to the Company, as the Administrator determines in its sole discretion; (5) consideration received by the Company under a broker-assisted (or other) cashless exercise program (whether through a broker or otherwise) implemented by the Company in connection with the Plan; (6) by net exercise; (7) such other consideration and method of payment for the issuance of Shares to the extent permitted by Applicable Laws; or (8) any combination of the foregoing methods of payment. (d) Exercise of Option. (i) Procedure for Exercise; Rights as a Stockholder. Any Option granted hereunder will be exercisable according to the terms of the Plan and at such times and under such conditions as determined by the Administrator and set forth in the Award Agreement. An Option may not be exercised for a fraction of a Share. An Option will be deemed exercised when the Company receives: (i) a notice of exercise (in such form as the Administrator may specify from time to time) from the person entitled to exercise the Option, and (ii) full payment for the Shares with respect to which the Option is exercised (together with applicable withholding taxes). Full payment may consist of any consideration and method of payment authorized by the Administrator and permitted by the Award Agreement and the Plan. Shares issued upon exercise of an Option will be issued in the name of the Participant or, if requested by the Participant, in the name of the Participant and his or her spouse. Until the Shares are issued (as evidenced by the appropriate entry on the books of the Company or a duly authorized transfer agent of the Company), no right to vote or receive dividends or any other rights as a stockholder will exist with respect to the Shares subject to an Option, notwithstanding the exercise of the Option. ~~A~~ The Company will issue (or cause to be issued) such Shares promptly after the Option is exercised. No adjustment will be made for a dividend or other right for which the record date is prior to the date the Shares are issued, except as provided in Section 13 of the Plan. (ii) Termination of Relationship as a Service Provider. If a Participant ceases to be a Service Provider, other than upon the Participant~~the~~'s termination as the result of the Participant~~the~~'s death or Disability, the Participant may exercise his or her Option within such period of time as is specified in the Award Agreement to the extent that the Option is vested on the date of termination (but in no event later than the expiration of the term of such Option as set forth in the Award Agreement). In the absence of a specified time in the Award Agreement, the Option will remain exercisable for three (3) months following the Participant~~the~~'s termination. Unless otherwise provided by the Administrator, if on the date of termination the Participant is not vested as to his or her entire Option, the Shares covered by the unvested portion of the Option will revert to the Plan. If after termination the Participant does not exercise his or her Option within the time specified by the Administrator, the Option will terminate, and the Shares covered by such Option will revert to the Plan. (iii) Disability of Participant. If a Participant ceases to be a Service Provider as a result of the Participant~~the~~'s Disability, the Participant may exercise his or her Option within such period of time as is specified in the Award Agreement to the extent the Option is vested on the date of termination (but in no event later than the expiration of the term of such Option as set forth in the Award Agreement). In the absence of a specified time in the Award Agreement, the Option will remain exercisable for twelve (12) months following the Participant~~the~~'s termination. Unless otherwise provided by the Administrator, if on the date of termination the Participant is not vested as to his or her entire Option, the Shares covered by the unvested portion of the Option will revert to the Plan. If after termination the Participant does not exercise his or her Option within the time specified herein, the Option will terminate, and the Shares covered by such Option will revert to the Plan. (iv) Death of Participant. If a Participant dies while a Service Provider, the Option may be exercised following the Participant~~the~~'s death within such period of time as is specified in the Award Agreement to the extent that the Option is vested on the date of death (but in no event may the Option be exercised later than the expiration of the term of such Option as set forth in the Award Agreement), by the Participant~~the~~'s designated beneficiary, provided such beneficiary has been designated prior to Participant~~the~~'s death in a form acceptable to the Administrator. If no such beneficiary has been designated by the Participant, then such Option may be exercised by the personal representative of the Participant~~the~~'s estate or by the person(s) to whom the Option is transferred pursuant to the Participant~~the~~'s will or in accordance with the laws of descent and distribution. In the absence of a specified time in the Award Agreement, the Option will remain exercisable for twelve (12) months following Participant~~the~~'s death. Unless otherwise provided by the Administrator, if at the time of death Participant is not vested as to his or her entire Option, the Shares covered by the unvested portion of the Option will immediately revert to the Plan. If the Option is not so exercised within the time specified herein, the Option will terminate, and the Shares covered by such Option will revert to the Plan. 7. Restricted Stock. (a) Grant of Restricted Stock. Subject to the terms and provisions of the Plan, the Administrator, at any time and from time to time, may grant Shares of Restricted Stock to Service Providers in such amounts as the Administrator, in its sole discretion, will determine. (b) Restricted Stock Agreement. Each Award of Restricted Stock will be evidenced by an Award Agreement that will specify the Period of Restriction, the number of Shares granted, and such other terms and conditions as the Administrator, in its sole discretion, will determine. Unless the Administrator determines otherwise, the Company as escrow agent will hold Shares of Restricted Stock until the restrictions on such Shares have lapsed. (c) Transferability. Except as provided in this Section 7 or the Award Agreement, Shares of Restricted Stock may not be sold, transferred, pledged, assigned, or otherwise alienated or hypothecated until the end of the applicable Period of Restriction. (d) Other Restrictions. The Administrator, in its sole discretion, may impose such other restrictions on Shares of Restricted Stock as it may deem advisable or appropriate. (e) Removal of Restrictions. Except as otherwise provided in this Section 7, Shares of Restricted Stock covered by each Restricted Stock grant made under the Plan will be released from escrow as soon as ~~A~~ practicable after the last day of the Period of Restriction or at such other time as the Administrator may determine. The Administrator, in its discretion, may accelerate the time at which any restrictions will lapse or be removed. (f) Voting Rights. During the Period of Restriction, Service Providers holding Shares of Restricted Stock granted hereunder may exercise full voting rights with respect to those Shares, unless the Administrator determines otherwise. (g) Dividends and Other Distributions. During the Period of Restriction, Service Providers holding

Shares of Restricted Stock will be entitled to receive all dividends and other distributions paid with respect to such Shares, unless the Administrator provides otherwise. If any such dividends or distributions are paid in Shares, the Shares will be subject to the same restrictions on transferability and forfeitability as the Shares of Restricted Stock with respect to which they were paid. (h) Return of Restricted Stock to Company. On the date set forth in the Award Agreement, the Restricted Stock for which restrictions have not lapsed will be cancelled and returned as unissued Shares to the Company and again will become available for grant under the Plan. 8. Restricted Stock Units. (a) Grant. Restricted Stock Units may be granted at any time and from time to time as determined by the Administrator. After the Administrator determines that it will grant Restricted Stock Units under the Plan, it will advise the Participant in an Award Agreement of the terms, conditions, and restrictions (if any) related to the grant, including the number of Restricted Stock Units into which the dollar value of the grant has been converted. (b) Vesting Criteria and Other Terms. The Administrator will set vesting criteria in its discretion. If all of the criteria are met the number of Restricted Stock Units that are vested will convert into fully paid, non-assessible Shares, on a one-for-one basis, and be released to the Participant. The Administrator may set vesting criteria based upon the achievement of Company-wide, business unit, or individual goals (including, but not limited to, continued employment), or any other basis (including the passage of time) determined by the Administrator in its discretion. (c) Earning Restricted Stock Units. Upon meeting the applicable vesting criteria, the Participant will be entitled to receive a payout as determined by the Administrator. Notwithstanding the foregoing, at any time after the grant of Restricted Stock Units, the Administrator, in its sole discretion, may reduce or waive any vesting criteria that must be met to receive a payout. Each Restricted Stock Unit is equal to one Share, or the cash equivalent of one Share as determined by the Fair Market Value on the date of payment thereof. (d) Dividend Equivalents. The Administrator may, in its sole discretion, award dividend equivalents in connection with the grant of Restricted Stock Units that may be settled in cash, in Shares of equivalent value, or in some combination thereof. (e) Form and Timing of Payment. Payment of earned Restricted Stock Units will be made upon the date(s) determined by the Administrator and set forth in the Award Agreement. The Administrator, in its sole discretion, may only settle earned Restricted Stock Units in cash, Shares, or a combination of both. (f) Cancellation. On the date set forth in the Award Agreement, all Shares underlying any unvested, unexpired Restricted Stock Units will be forfeited to the Company for future issuance. 9. Stock Appreciation Rights. (a) Grant of Stock Appreciation Rights. Subject to the terms and conditions of the Plan, a Stock Appreciation Right may be granted to Service Providers at any time and from time to time as will be determined by the Administrator, in its sole discretion. (b) Number of Shares. The Administrator will have complete discretion to determine the number of Stock Appreciation Rights granted to any Service Provider. (c) Exercise Price and Other Terms. The per share exercise price for the Shares to be issued pursuant to exercise of a Stock Appreciation Right will be determined by the Administrator and will be no less than one hundred percent (100%) of the Fair Market Value per Share on the date of grant. Otherwise, the Administrator, subject to the provisions of the Plan, will have complete discretion to determine the terms and conditions of Stock Appreciation Rights granted under the Plan. (d) Stock Appreciation Right Agreement. Each Stock Appreciation Right grant will be evidenced by an Award Agreement that will specify the exercise price, the term of the Stock Appreciation Right, the conditions of exercise, and such other terms and conditions as the Administrator, in its sole discretion, will determine. (e) Expiration of Stock Appreciation Rights. A Stock Appreciation Right granted under the Plan will expire upon the date determined by the Administrator, in its sole discretion, and set forth in the Award Agreement. Notwithstanding the foregoing, the rules of Section 6(b) relating to the maximum term and Section 6(d) relating to exercise also will apply to Stock Appreciation Rights. (f) Payment of Stock Appreciation Right Amount. Upon exercise of a Stock Appreciation Right, a Participant will be entitled to receive payment from the Company in an amount determined by multiplying: (i) The difference between the Fair Market Value of a Share on the date of exercise over the exercise price; times (ii) The number of Shares with respect to which the Stock Appreciation Right is exercised. At the discretion of the Administrator, the payment upon Stock Appreciation Right exercise may be in cash, in Shares of equivalent value, or in some combination thereof. 10. Performance Units and Performance Shares. (a) Grant of Performance Units/Shares. Performance Units and Performance Shares may be granted to Service Providers at any time and from time to time, as will be determined by the Administrator, in its sole discretion. The Administrator will have complete discretion in determining the number of Performance Units and Performance Shares granted to each Participant. (b) Value of Performance Units/Shares. Each Performance Unit will have an initial value that is established by the Administrator on or before the date of grant. Each Performance Share will have an initial value equal to the Fair Market Value of a Share on the date of grant. (c) Performance Objectives and Other Terms. The Administrator will set Performance Goals or other vesting provisions (including, without limitation, continued status as a Service Provider) in its discretion which, depending on the extent to which they are met, will determine the number or value of Performance Units/Shares that will be paid out to the Service Providers. The time period during which the performance objectives or other vesting provisions must be met will be called the "Performance Period." Each Award of Performance Units/Shares will be evidenced by an Award Agreement that will specify the Performance Period, and such other terms and conditions as the Administrator, in its sole discretion, will determine. The Administrator may set performance objectives based upon the achievement of Company-wide, divisional, or individual goals, applicable federal or state securities laws, or any other basis determined by the Administrator in its discretion. (d) Measurement of Performance Goals. Performance Goals shall be established by the Committee on the basis of targets to be attained ("Performance Targets") with respect to one or more measures of business or financial performance (each, a "Performance Measure"), subject to the following: (i) Performance Measures. For each Performance Period, the Committee shall establish and set forth in writing the Performance Measures, if any, and any particulars, components and adjustments relating thereto, applicable to each Participant. The Performance Measures, if any, will be objectively measurable and will be based upon the achievement of a specified percentage or level in one or more objectively defined and non-discretionary factors preestablished by the Committee. Performance Measures may be one or more of the following, as determined by the Committee: (1) sales or non-sales revenue; (2) return on revenues; (3) operating income; (4) income or earnings including operating income; (5) income or earnings before or after taxes, interest, depreciation and/or amortization; (6) income or earnings from continuing operations; (7) net income; (8) pre-tax income or after-tax income; (9) net income excluding amortization of intangible assets, depreciation and impairment of goodwill and intangible assets and/or excluding charges attributable to the adoption of new accounting pronouncements; (10) raising of financing or fundraising; (11) project financing; (12) revenue backlog; (13) gross margin; (14) operating margin or profit margin; (15) capital expenditures, cost targets, reductions and savings and expense management; (16) return on assets (gross or net), return on investment, return on capital, or return on stockholder equity; (17) cash flow, free cash flow, cash flow return on investment (discounted or otherwise), net cash provided by operations, or cash flow in excess of cost of capital; (18) performance warranty and/or guarantee claims; (19) stock price or total A stockholder return; (20) earnings or book value per share (basic or diluted); (21) economic value created; (22) pre-tax profit or after-tax profit; (23) strategic business criteria, consisting of one or more objectives based on meeting specified market penetration or market share, completion of strategic agreements such as licenses, funded collaborations, joint ventures, acquisitions, and the like, geographic business expansion, objective customer satisfaction or information technology goals, intellectual property asset metrics; (24) objective goals relating to divestitures, joint ventures, mergers, acquisitions and similar transactions; (25) objective goals relating to staff management, results from staff attitude and/or opinion surveys, staff satisfaction scores, staff safety, staff accident and/or injury rates, compliance, headcount, performance management, completion of critical staff training initiatives; (26) objective goals relating to projects, including project completion, timing and/or achievement of milestones, project budget, technical progress against work plans; (27) key regulatory objectives or milestones; and (28) enterprise resource planning. Awards issued to Participants who are not subject to the limitations of Code Section 162(m) or Awards to Participants that are not intended to comply with the requirements of Code Section 162(m) may, in either case, take into account other factors (including subjective factors). Performance Goals may differ from Participant to Participant, Performance Period to Performance Period and from Award to Award. Any criteria used may be measured, as applicable, (1) in absolute terms, (2) in relative terms (including, but not limited to, any increase (or decrease) over the passage of time and/or any measurement against other companies or financial or business or stock index metrics particular to the Company), (3) on a per share and/or share per capita basis, (4) against the performance of the Company as a whole or against any affiliate(s), or a particular segment(s), a business unit(s) or a product(s) of the Company or individual project company, (5) on a pre-tax or after-tax basis, and/or (6) using an actual foreign exchange rate or on a foreign exchange neutral basis. (ii) Committee Discretion on Performance Measures. As determined in the discretion of the Committee, the Performance Measures for any Performance Period may (a) differ from Participant to Participant and from Award to Award, (b) be based on the performance of the Company as a whole or the performance of a specific Participant or one or more subsidiaries, divisions, departments, regions, stores, segments, products, functions or business units of the Company or individual project company, (c) be measured on a per share, per capita, per unit, per square foot, per employee, per store basis, and/or other objective basis (d) be measured on a pre-tax or after-tax basis, and (e) be measured on an absolute basis or in relative terms (including, but not limited to, the passage of time and/or against other companies, financial metrics and/or an index). Without limiting the foregoing, the Committee shall adjust any performance criteria, Performance Measures or other feature of an Award that relates to or is wholly or partially based on the number of, or the value of, any stock of the Company, to reflect any stock dividend or split, repurchase, recapitalization, combination, or exchange of shares or other similar changes in such stock. Awards that are not intended by the Company to comply with the performance-based compensation exception under Code Section 162(m) may take into account other factors (including subjective factors). (e) Earning of Performance Units/Shares. After the applicable Performance Period has ended, the holder of Performance Units/Shares will be entitled to receive a payout of the number of Performance Units/Shares earned by the Participant over the Performance Period, to be determined as a function of the extent to which the corresponding Performance Goals or other vesting provisions have been achieved. After the grant of a Performance Unit/Share, the Administrator, in its sole discretion, may reduce or waive any Performance Goals or other vesting provisions for such Performance Unit/Share. (f) Form and Timing of Payment of Performance Units/Shares. Payment of earned Performance Units/Shares will be made upon the time set forth in the applicable Award Agreement. The Administrator, in its sole discretion, may pay earned Performance Units/Shares in the form of cash, in Shares (which have an aggregate Fair Market Value equal to the value of the earned Performance Units/Shares at the close of the applicable Performance Period) or in a combination thereof. (g) Cancellation of Performance Units/Shares. On the date set forth in the Award Agreement, all unearned or unvested Performance Units/Shares will be forfeited to the Company, and again will be available for grant under the Plan. 11. Leaves of Absence/Transfer Between Locations. Unless the Administrator provides otherwise, vesting of Awards granted hereunder will be suspended during any unpaid leave of absence unless contrary to Applicable Law. A Participant will not cease to be an Employee in the case of (i) any leave of absence approved by the Participant's employer or (ii) transfers between locations of the Company or between the Company, its Parent, or any Subsidiary. For purposes of Incentive Stock Options, no such leave may exceed three (3) months, unless reemployment upon expiration of such leave is guaranteed by statute or contract. If reemployment upon expiration A of a leave of absence approved by the Participant's employer is not so guaranteed, then six (6) months following the first (1st) day of such leave any Incentive Stock Option held by the Participant will cease to be treated as an Incentive Stock Option and will be treated for tax purposes as a Nonstatutory Stock Option. 12. Transferability of Awards. Unless determined otherwise by the Administrator, an Award may not be sold, pledged, assigned, hypothecated, transferred, or disposed of in any manner other than by will or by the laws of descent or distribution and may be exercised, during the lifetime of the Participant, only by the Participant. If the Administrator makes an Award transferable, such Award will contain such additional terms and conditions as the Administrator deems appropriate. 13. Adjustments; Dissolution or Liquidation; Merger or Change in Control. (a) Adjustments. In the event of a stock split, reverse stock split, stock dividend, combination, consolidation, recapitalization (including a recapitalization through a large nonrecurring cash dividend) or reclassification of the Shares, subdivision of the Shares, a rights offering, a reorganization, merger, spin-off, split-up, repurchase, or exchange of Common Stock or other securities of the Company or other significant corporate transaction, or other change affecting the Common Stock occurs, the Administrator, in order to prevent dilution or enlargement of the benefits or potential benefits intended to be made available under the Plan, will, in such manner as it may deem equitable, adjust the number, kind and class of securities that may be delivered under the Plan and/or the number, class, kind and price of securities covered by each outstanding Award in accordance with the Plan, the numerical Share limits in Section 3 of the Plan. Notwithstanding the foregoing, all adjustments under this Section 13 shall be made in a manner that does not result in taxation under Code Section 409A. (b) Dissolution or Liquidation. In the event of the proposed winding up, dissolution or liquidation of the Company, the Administrator will notify each Participant as soon as practicable prior to the effective date of such proposed transaction. To the extent it has not been previously exercised, an Award will terminate immediately prior to the consummation of such proposed action. (c) Change in Control. In the event of a merger or Change in Control, each outstanding Award will be treated as the Administrator determines, including, without limitation, that each Award be assumed, cancelled or an equivalent option or right substituted by the successor corporation or a Parent or Subsidiary of the successor corporation. The Administrator will not be required to treat all Awards similarly in the transaction. Except as set forth in an Award Agreement, in the event that the successor corporation does not assume or substitute for the Award, the Participant will fully vest in and have the right to exercise all of his or her outstanding Options and Stock Appreciation Rights, including Shares as to which such Awards would not otherwise be vested or exercisable, all restrictions on Restricted Stock and Restricted Stock Units will lapse, and, with respect to Awards with performance-based vesting, all Performance Goals or other vesting criteria will be deemed achieved at one hundred percent (100%) of target levels and all other terms and conditions met. In addition, if an Option or Stock Appreciation Right is not assumed or substituted in the event of a Change in Control, the Administrator will notify the Participant in writing or electronically that the Option or Stock Appreciation Right will be exercisable for a period of time determined by the Administrator in its sole discretion, and the Option or Stock Appreciation Right will terminate upon the expiration of such period. For the purposes of this subsection (c), an Award will be considered assumed if, following the Change in Control, the Award confers the right to purchase or receive, for each Share subject to the Award immediately prior to the Change in Control, the consideration (whether stock, cash, or other securities or property) received in the Change in Control by holders of Common Stock for each Share held on the effective date of the transaction (and if holders were offered a choice of consideration, the type of consideration chosen by the holders of a majority of the outstanding Shares); provided, however, that if such consideration received in the Change in Control is not solely common stock of the successor corporation or its Parent, the Administrator may, with the consent of the successor corporation, provide for the consideration to be received upon the exercise of an Option or Stock Appreciation Right or upon the payout of a Restricted Stock Unit, Performance Unit or Performance Share, for each Share subject to such Award, to be solely common stock of the successor corporation or its Parent equal in fair market value to the per share consideration received by holders of Common Stock in the Change in Control. A Notwithstanding anything in this Section 13(c) to the contrary, an Award that vests, is earned or paid-out upon the satisfaction of one or more Performance Goals will not be considered assumed if the Company or its successor modifies any of such Performance Goals without the Participant's consent; provided, however, a modification to such Performance Goals only to reflect the successor corporation's post-Change in Control corporate structure will not be deemed to invalidate an otherwise valid Award assumption. 14. Tax. (a) Withholding Requirements. Prior to the delivery of any Shares or cash pursuant to an Award (or exercise thereof) or prior to any time the Award or Shares are subject to taxation, the Company and/or the Participant's employer will have the power and the right to deduct or withhold, or require a Participant to remit to the Company, an amount sufficient to satisfy federal, state, local, foreign or other taxes (including the Participant's FICA obligation or social insurance contributions) required to be withheld with respect to such Award (or exercise thereof). (b) Withholding Arrangements. The Administrator, in its sole discretion and pursuant to such procedures as it may specify from time to time, may permit a Participant to satisfy such tax withholding obligation, in whole or in part by (without limitation) (a) paying cash, (b) electing to have the Company withhold otherwise deliverable cash or Shares having a Fair Market Value equal to the minimum statutory amount required to be withheld (to the extent required to avoid adverse accounting consequences), or (c) delivering to the Company already-owned Shares having a Fair Market Value equal to the minimum statutory amount required to be withheld to the extent required to avoid adverse accounting consequences or Shares having a Fair Market Value in excess of such amount that have been held for such period required to avoid adverse accounting consequences. Except as otherwise determined by the Administrator, the Fair Market Value of the Shares to be withheld or delivered will be determined as of the date that the taxes are required to be withheld. (c) Compliance With Code Section 409A. Awards will be designed and operated in such a manner that they are either exempt from the application of, or comply with, the requirements of Code Section 409A such that the grant, payment, settlement or deferral will not be subject to the additional tax or interest applicable under Code Section 409A. The Plan and each Award Agreement under the Plan is intended to meet the requirements of Code Section 409A (or an exemption therefrom) and will be construed and interpreted in accordance with such intent, except as otherwise determined in the sole discretion of the Administrator. To the extent that an Award or payment, or the settlement or deferral thereof, is subject to Code Section 409A the Award will be granted, paid, settled or deferred in a manner that will meet the requirements of Code Section 409A (or an exemption therefrom), such that the grant, payment, settlement or deferral will not be subject to the additional tax or interest applicable under Code Section 409A. In

no event will the Company be responsible for or reimburse a Participant for any taxes or other penalties incurred as a result of the application of Code Section 409A. 15. No Effect on Employment or Service. Neither the Plan nor any Award will confer upon a Participant any right with respect to continuing the Participant's relationship as a Service Provider with the Company, or (if different) the Participant's employer, nor will they interfere in any way with the Participant's right or the Participant's employer's right to terminate such relationship at any time, with or without cause, to the extent permitted by Applicable Laws. 16. Date of Grant. The date of grant of an Award will be, for all purposes, the date on which the Administrator makes the determination granting such Award, or such other later date as is determined by the Administrator. Notice of the determination will be provided to each Participant within a reasonable time after the date of such grant. 17. Term of Plan. Subject to Section 21 of the Plan, the Plan will become effective upon the earlier of its adoption by the Board or the Company's stockholders. It will continue in effect for a term of ten (10) years from such effective date, unless terminated earlier under Section 18 of the Plan. 18. Amendment and Termination of the Plan. (a) Amendment and Termination. The Committee may at any time amend, alter, suspend or terminate the Plan. (b) Stockholder Approval. The Company will obtain stockholder approval of any Plan amendment to the extent necessary and desirable to comply with Applicable Laws. (c) Effect of Amendment or Termination. No amendment, alteration, suspension or termination of the Plan will impair the rights of any Participant, unless mutually agreed otherwise between the Participant and the Administrator, which agreement must be in writing and signed by the Participant and the Company. Termination of the Plan will not affect the Administrator's ability to exercise the powers granted to it hereunder with respect to Awards granted under the Plan prior to the date of such termination. 19. Conditions Upon Issuance of Shares. (a) Legal Compliance. Shares will not be issued pursuant to the exercise of an Award unless the exercise of such Award and the issuance and delivery of such Shares will comply with Applicable Laws and will be further subject to the approval of counsel for the Company with respect to such compliance. (b) Investment Representations. As a condition to the exercise of an Award, the Company may require the person exercising such Award to represent and warrant at the time of any such exercise that the Shares are being purchased only for investment and without any present intention to sell or distribute such Shares if, in the opinion of counsel for the Company, such a representation is required. 20. Inability to Obtain Authority. The inability of the Company to obtain authority from any regulatory body having jurisdiction, which authority is deemed by the Company's counsel to be necessary to the lawful issuance and sale of any Shares hereunder, will relieve the Company of any liability in respect of the failure to issue or sell such Shares as to which such requisite authority will not have been obtained. 21. Stockholder Approval. The Plan will be subject to approval by the stockholders of the Company within twelve (12) months after the date the Plan is adopted by the Board. Such stockholder approval will be obtained in the manner and to the degree required under Applicable Laws. 22. Governing Law. The Plan and all Awards hereunder shall be construed in accordance with and governed by the laws of the State of Delaware, but without regard to its conflict of law provisions. 23. NOTICE OF STOCK OPTION GRANT. 2015 OMNIBUS EQUITY INCENTIVE PLAN STOCK OPTION AWARD AGREEMENT. Unless otherwise defined herein, the terms defined in the Arcadia Biosciences, Inc. 2015 Omnibus Equity Incentive Plan (the "Plan") will have the same defined meanings in this Stock Option Award Agreement (the "Award Agreement"). NOTICE OF STOCK OPTION GRANT You (the "Participant") have been granted a U.S. Nonstatutory Stock Option to purchase Common Stock of Arcadia Biosciences, Inc. (the "Company"), subject to the terms and conditions of the Plan and this Award Agreement. The date of the award, vesting schedule, exercise price per share and total number of options awarded are set out in detail in your AST Equity Plan Solutions (the "AST") online account. Vesting Schedule: Subject to any acceleration provisions contained in the Plan or set forth below, this Option may be exercised, in whole or in part, in accordance with the following schedule: [Insert vesting schedule] Termination/Expiration Date: The Option will be exercisable for three (3) months after Participant ceases to be a Service Provider, unless such termination is due to Participant's death or Disability, in which case the Option will be exercisable for twelve (12) months after Participant ceases to be a Service Provider (collectively, the "Termination Period"). The term of this Agreement shall be ten (10) years from the date of the award, at which time the Agreement will expire (the "Expiration Date"). Any vested but unexercised options that remain outstanding as of the Expiration Date shall be forfeited. In no event may the Option be exercised after the Termination Period or Expiration Date as provided above and may be subject to earlier termination as provided in Section 13 of the Plan. 24. TERMS AND CONDITIONS OF STOCK OPTION GRANT 1. Grant of Option. The Company hereby grants to the Participant (the "Participant") an option (the "Option") to purchase that number of Shares set forth in the Participant's AST online account, at the exercise price per Share indicated therein (the "Exercise Price"), subject to all of the terms and conditions in this Award Agreement and the Plan, which is incorporated herein by reference. Subject to Section 13 of the Plan, in the event of a conflict between the terms and conditions of the Plan and the terms and conditions of this Award Agreement, the terms and conditions of the Plan will prevail. If designated in the Notice of Stock Option Grant as an Incentive Stock Option (the "ISO"), this Option is intended to qualify as an ISO under Section 422 of the U.S. Internal Revenue Code of 1986, as amended (the "Code"). However, if this Option is intended to be an ISO, to the extent that it exceeds the \$100,000 rule of Code Section 422(d) it will be treated as a Nonstatutory Stock Option (the "NSO"). Further, if for any reason this Option (or portion thereof) will not qualify as an ISO, then, to the extent of such nonqualification, such Option (or portion thereof) shall be regarded as a NSO granted under the Plan. In no event will the Administrator, the Company or any Parent or Subsidiary or any of their respective employees or directors have any liability to Participant (or any other person) due to the failure of the Option to qualify for any reason as an ISO. 2. Vesting Schedule. Except as provided in Section 3, the Option awarded by this Award Agreement will vest in accordance with the vesting provisions set forth in the Notice of Stock Option Grant section above. Shares scheduled to vest on a certain date or upon the occurrence of a certain condition will not vest in Participant in accordance with any of the provisions of this Award Agreement, unless Participant will have been continuously a Service Provider from the Date of Grant until the date such vesting occurs. Service Provider status will end on the day that notice of termination is provided whether oral or written (whether by the Company or Parent or Subsidiary for any reason or by Participant upon resignation) and will not be extended by any notice period that may be required contractually or under applicable local law. Notwithstanding the foregoing, the Administrator (or any delegate) shall have the sole and absolute discretion to determine when Participant is no longer providing active service for purposes of Service Provider status and participation in the Plan. 3. Administrator Discretion. The Administrator, in its discretion, may accelerate the vesting of the balance, or some lesser portion of the balance, of the unvested Option at any time, subject to the terms of the Plan. If so accelerated, such Option will be considered as having vested as of the date specified by the Administrator. 4. Exercise of Option. (a) Right to Exercise. This Option may be exercised only within the term set out in the Notice of Grant, and may be exercised during term only in accordance with the Plan and the terms of this Award Agreement. (b) Methods of Exercise. The AST online platform allows you to input different transactions, such as: (i) "Cashless Exercise," whereby you exercise and sell all your vested options and receive the proceeds, net of option costs and applicable taxes, by check or direct deposit (a "cashless exercise"); or (ii) "Sell to Cover," whereby you sell only enough of the vested options to cover the costs for all the option shares and applicable taxes, and receive the balance of shares in an account of your choosing; or (iii) "Cash," whereby vested options are exercised by remitting payment for the option costs and applicable taxes and shares are received in an account of your choosing. 5. Method of Payment. Payment of the aggregate Exercise Price will be by any of the following, or a combination thereof, at the election of Participant, unless AST in its sole discretion requires a specific method of payment: (a) cash (U.S. dollars); or (b) check (denominated in U.S. dollars); or (c) wire transfer (contact AST for wire instructions). Participant understands and agrees that any cross-border remittance made to exercise this option or transfer proceeds received upon the sale of Stock must be made through a locally authorized financial institution or registered foreign exchange agency and may require the Participant to provide such entity with certain information regarding the transaction. 6. Tax Obligations. (a) Withholding Taxes. Regardless of any action the Company or Participant's employer (the "Employer") takes with respect to any or all applicable national, local, or other tax or social contribution, withholding, required deductions, or other payments, if any, that arise upon the grant, vesting, or exercise of this Option, the holding or subsequent sale of Shares, and the receipt of dividends, if any (the "Tax-Related Items"), Participant acknowledges and agrees that the ultimate liability for all Tax-Related Items legally due by Participant is and remains Participant's responsibility and may exceed the amount actually withheld by the Company, the Employer, or AST. Participant further acknowledges that the Company, the Employer, or AST (a) makes no representations or undertakings regarding the treatment of any Tax-Related Items in connection with any aspect of the Option, including the grant, vesting, or exercise of the Option, the subsequent sale of Shares acquired under the Plan and the receipt of dividends, if any; and (b) does not commit to and is under no obligation to structure the terms of the Option or any aspect of the Option to reduce or eliminate Participant's liability for Tax-Related Items, or achieve any particular tax result. Further, if Participant has become subject to tax in more than one jurisdiction between the date of grant and the date of any relevant taxable event, Participant acknowledges that the Company, the Employer (or former employer, as applicable), or AST may be required to withhold or account for Tax-Related Items in more than one jurisdiction. (b) No payment will be made to Participant (or his or her estate or beneficiary) for an Option unless and until satisfactory arrangements (as determined by the Company) have been made by Participant with respect to the payment by the Company, the Employer, or AST of any Tax-Related Items with respect to the Option. In this regard, Participant authorizes the Company, the Employer, or AST, or their respective agents, at their discretion, to satisfy the obligations with regard to all Tax-Related Items by one or a combination of the following: (i) withholding from Participant's wages or other cash compensation paid to Participant by the Company or the Employer; or (ii) withholding from proceeds of the sale of Shares acquired upon exercise of the Option, either through a voluntary sale or through a mandatory sale arranged by the Company (on Participant's behalf pursuant to this authorization); or (iii) withholding in Shares to be issued upon exercise of the Option; or (iv) surrendering already-owned Shares having a Fair Market Value equal to the Tax-Related Items that have been held for such period of time to avoid adverse accounting consequences. 7. If the obligation for Tax-Related Items is satisfied by withholding Shares, the Participant is deemed to have been issued the full number of Shares purchased for tax purposes, notwithstanding that a number of the Shares is held back solely for the purpose of paying the Tax-Related Items due as a result of the Participant's participation in the Plan. Participant shall pay to the Company, the Employer, or AST any amount of Tax-Related Items that the Company may be required to withhold as a result of Participant's participation in the Plan that cannot be satisfied by one or more of the means previously described in this paragraph 6. Participant acknowledges and agrees that the Company may refuse to honor the exercise and refuse to issue or deliver the Shares or the proceeds of the sale of Shares if Participant fails to comply with his or her obligations in connection with the Tax-Related Items. (b) Notice of Disqualifying Disposition of ISO Shares. If the Option granted to Participant herein is an ISO, and if Participant sells or otherwise disposes of any of the Shares acquired pursuant to the ISO on or before the later of (i) the date two (2) years after the grant Date, or (ii) the date one (1) year after the date of exercise, Participant will immediately notify the Company in writing of such disposition. Participant agrees that a Participant may be subject to income tax withholding by the Company on the compensation income recognized by Participant. (c) Code Section 409A (Applicable Only to Participants Subject to U.S. Taxes). Under Code Section 409A, an option that vests after December 31, 2004 (or that vested on or prior to such date but which was materially modified after October 3, 2004) that was granted with a per Share exercise price that is determined by the Internal Revenue Service (the "IRS") to be less than the Fair Market Value of a Share on the date of grant (a "Discount Option") may be considered a "deferred compensation." A Discount Option may result in (i) income recognition by Participant prior to the exercise of the option, (ii) an additional twenty percent (20%) federal income tax, and (iii) potential penalty and interest charges. The Discount Option may also result in additional state income, penalty and interest charges to the Participant. Participant acknowledges that the Company cannot and has not guaranteed that the IRS will agree that the per Share exercise price of this Option equals or exceeds the Fair Market Value of a Share on the Date of Grant in a later examination. Participant agrees that if the IRS determines that the Option was granted with a per Share exercise price that was less than the Fair Market Value of a Share on the date of grant, Participant will be solely responsible for Participant's costs related to such a determination. 7. Rights as Stockholder. Neither Participant nor any person claiming under or through Participant will have any of the rights or privileges of a stockholder of the Company in respect of any Shares until such Shares will have been issued (as evidenced by the appropriate entry on the books of the Company or of a duly authorized transfer agent of the Company). After such issuance, Participant will have all the rights of a stockholder of the Company with respect to voting such Shares and receipt of dividends and distributions on such Shares, but prior to such issuance, Participant will not have any rights to dividends and/or distributions on such Shares. 8. No Guarantee of Continued Service. PARTICIPANT ACKNOWLEDGES AND AGREES THAT THE VESTING OF SHARES PURSUANT TO THE VESTING SCHEDULE HEREOF IS EARNED ONLY BY CONTINUING AS A SERVICE PROVIDER AT THE WILL OF THE EMPLOYER AND NOT THROUGH THE ACT OF BEING HIRED, BEING GRANTED THE OPTION OR ACQUIRING SHARES HEREUNDER. PARTICIPANT FURTHER ACKNOWLEDGES AND AGREES THAT THIS AWARD AGREEMENT, THE TRANSACTIONS CONTEMPLATED HEREUNDER AND THE VESTING SCHEDULE SET FORTH HEREIN DO NOT CONSTITUTE AN EXPRESS OR IMPLIED PROMISE OF CONTINUED ENGAGEMENT AS A SERVICE PROVIDER FOR THE VESTING PERIOD, FOR ANY PERIOD, OR AT ALL, AND WILL NOT INTERFERE IN ANY WAY WITH PARTICIPANT'S RIGHT OR THE RIGHT OF THE EMPLOYER TO TERMINATE PARTICIPANT'S RELATIONSHIP AS A SERVICE PROVIDER AT ANY TIME, WITH OR WITHOUT CAUSE (SUBJECT TO APPLICABLE LOCAL LAWS). 9. Nature of Grant. In accepting the Option, Participant acknowledges that: (a) the Plan is established voluntarily by the Company, it is discretionary in nature and it may be modified, amended, suspended or terminated by the Company at any time; (b) the grant of the Option is voluntary and occasional and does not create any contractual or other right to receive future grants of Options, or benefits in lieu of Options even if Options have been granted repeatedly in the past; (c) all decisions with respect to future awards of Options, if any, will be at the sole discretion of the Company; (d) Participant's participation in the Plan is voluntary; (e) the Option and the Shares subject to the Option are extraordinary items that do not constitute regular compensation for services rendered to the Company or the Employer, and that are outside the scope of Participant's employment contract, if any; (f) the Option and the Shares subject to the Option are not intended to replace any pension rights or compensation; (g) the Option and the Shares subject to the Option are not part of normal or expected compensation or salary for any purposes, including, but not limited to, calculating any severance, resignation, termination, redundancy, dismissal, or end of service payments, bonuses, long-service awards, pension or retirement or welfare benefits or similar payments and in no event should be considered as compensation for, or relating in any way to, past services for the Company or the Employer; (h) the future value of the underlying Shares is unknown and cannot be predicted with certainty; further, if Participant exercises the Option and obtains Shares, the value of the Shares acquired upon exercise may increase or decrease in value, even below the Exercise Price; (i) Participant also understands that neither the Company, nor any affiliate is responsible for any foreign exchange fluctuation between local currency and the United States Dollar or the selection by the Company or any affiliate in its sole discretion of an applicable foreign currency exchange rate that may affect the value of the Option (or the calculation of income or Tax-Related Items thereunder); (j) in consideration of the grant of the Option, no claim or entitlement to compensation or damages shall arise from forfeiture of the Option resulting from termination of employment by the Employer (for any reason whatsoever and whether or not in breach of local labor laws), and Participant irrevocably releases the Employer from any such claim that may arise; if, notwithstanding the foregoing, any such claim is found by a court of competent jurisdiction to have arisen, Participant shall be deemed irrevocably to have waived his or her entitlement to pursue such claim; and (k) the Option and the benefits under the Plan, if any, will not automatically transfer to another company in the case of a merger, take-over or transfer of liability. 10. No Advice Regarding Grant. The Company is not providing any tax, legal or financial advice, nor is the Company making any recommendations regarding Participant's participation in the Plan, or Participant's acquisition or sale of the underlying Shares. Participant is hereby advised to consult with his or her own personal tax, legal and financial advisors regarding Participant's participation in the Plan before taking any action related to the Plan. 11. Data Privacy. Participant hereby explicitly and unambiguously consents to the collection, use and transfer, in electronic or other form, of Participant's personal data as described in this Award Agreement by and among, as applicable, the Company and its affiliates for the exclusive purpose of implementing, administering and managing Participant's participation in the Plan. A Participant understands that the Company and its affiliates may hold certain personal information about Participant, including, but not limited to, Participant's name, home address and telephone number, date of birth, social insurance number or other identification number, salary, nationality, job title, any shares of stock or directorships held in the Company or any affiliate, details of all Options or any other entitlement to shares of stock awarded, canceled, exercised, vested, unvested or outstanding in Participant's favor, for the exclusive purpose of implementing, administering and managing the Plan (the "Personal Data"). Participant understands that Personal Data may be transferred to any third parties assisting in the implementation, administration and management of the Plan, that these recipients may be located in the United States, Participant's country (if different than the United States), or elsewhere, and that the recipient's country may have different data privacy laws and protections than Participant's country. For Participants located in the European Union, the following paragraph applies: Participant understands that he or she may request a list with the names and addresses of any potential recipients of the Personal Data by contacting Participant's local human resources representative. Participant authorizes the recipients to receive, possess, use,



ONLY BY CONTINUING AS A SERVICE PROVIDER AT THE WILL OF THE COMPANY (OR THE PARENT OR SUBSIDIARY EMPLOYING OR RETAINING PARTICIPANT) AND NOT Á THROUGH THE ACT OF BEING HIRED, BEING GRANTED THIS AWARD OF RESTRICTED STOCK UNITS OR ACQUIRING SHARES HEREUNDER. PARTICIPANT FURTHER ACKNOWLEDGES AND AGREES THAT THIS AWARD AGREEMENT, THE TRANSACTIONS CONTEMPLATED HEREUNDER AND THE VESTING SCHEDULE SET FORTH HEREIN DO NOT CONSTITUTE AN EXPRESS OR IMPLIED PROMISE OF CONTINUED ENGAGEMENT AS A SERVICE PROVIDER FOR THE VESTING PERIOD, FOR ANY PERIOD, OR AT ALL, AND WILL NOT INTERFERE IN ANY WAY WITH PARTICIPANTÁ€™S RIGHT OR THE RIGHT OF THE COMPANY (OR THE PARENT OR SUBSIDIARY EMPLOYING OR RETAINING PARTICIPANT) TO TERMINATE PARTICIPANTÁ€™S RELATIONSHIP AS A SERVICE PROVIDER AT ANY TIME, WITH OR WITHOUT CAUSE. Á Participant also acknowledges and agrees that: (a) the Plan is established voluntarily by the Company, it is discretionary in nature and it may be modified, amended, suspended or terminated by the Company at any time; (b) the grant of Restricted Stock Units is voluntary and occasional and does not create any contractual or other right to receive future grants of Restricted Stock Units, or benefits in lieu of Restricted Stock Units even if Restricted Stock Units have been granted repeatedly in the past; (c) all decisions with respect to future awards of Restricted Stock Units, if any, will be at the sole discretion of the Company; (d) ParticipantÁ€™s participation in the Plan is voluntary; (e) the Restricted Stock Units and the Shares subject to the Restricted Stock Units are extraordinary items that do not constitute regular compensation for services rendered to the Company or the Employer, and that are outside the scope of ParticipantÁ€™s employment contract, if any; (f) the Restricted Stock Units and the Shares subject to the Restricted Stock Units are not intended to replace any pension rights or compensation; (g) the Restricted Stock Units and the Shares subject to the Restricted Stock Units are not part of normal or expected compensation or salary for any purposes, including, but not limited to, calculating any severance, resignation, termination, redundancy, dismissal, or end of service payments, bonuses, long-service awards, pension or retirement or welfare benefits or similar payments and in no event should be considered as compensation for, or relating in any way to, past services for the Company or the Employer. 10. Address for Notices. Any notice to be given to the Company under the terms of this Award Agreement will be addressed to the Company, in care of its Secretary at Arcadia Biosciences, Inc., 202 Cousteau Place, Suite 200, Davis, CA 95618, or at such other address as the Company may hereafter designate in writing. 11. Grant is Not Transferable. Except to the limited extent provided in Section 6, this grant and the rights and privileges conferred hereby will not be transferred, assigned, pledged or hypothecated in any way (whether by operation of law or otherwise) and will not be subject to sale under execution, attachment or similar process. Upon any attempt to transfer, assign, pledge, hypothecate or otherwise dispose of this grant, or any right or privilege conferred hereby, or upon any attempted sale under any execution, attachment or similar process, this grant and the rights and privileges conferred hereby immediately will become null and void. 12. Binding Agreement. Subject to the limitation on the transferability of this grant contained herein, this Award Agreement will be binding upon and inure to the benefit of the heirs, legatees, legal representatives, successors and assigns of the parties hereto. 13. Additional Conditions to Issuance of Stock. If at any time the Company will determine, in its discretion, that the listing, registration or qualification of the Shares upon any securities exchange or under any state or federal law, or the consent or approval of any governmental regulatory authority is necessary or desirable as a condition to the issuance of Shares to Participant (or his or her estate), such issuance will not occur unless and until such listing, registration, qualification, consent or approval will have been effected or obtained free of any conditions not acceptable to the Company. Where the Company determines that the delivery of the payment of any Shares will violate federal securities laws or other applicable laws, the Company will defer delivery until the earliest date at which the Company reasonably anticipates that the delivery of Shares will no longer cause such violation. The Company will make all reasonable efforts to meet the requirements of any such state or federal law or securities exchange and to obtain any such consent or approval of any such governmental authority. The Company shall not be obligated to issue any Shares pursuant to the Restricted Stock Units at any time if the issuance of Shares violates or is not in compliance with any laws, rules or regulations of the United States or any state or country. Furthermore, the Company reserves the right to impose other requirements on ParticipantÁ€™s participation in the Plan, on the Restricted Stock Units and on any Shares acquired under the Plan, to the extent the Company Á determines it is necessary or advisable in order to comply with local law or facilitate the administration of the Plan, and to require Participant to sign any additional agreements or undertakings that may be necessary to accomplish the foregoing. Furthermore, Participant understands that the laws of the country in which he or she is resident at the time of grant or vesting of the Restricted Stock Units or the holding or disposition of Shares (including any rules or regulations governing securities, foreign exchange, tax, labor or other matters) may restrict or prevent the issuance of Shares or may subject Participant to additional procedural or regulatory requirements he or she is solely responsible for and will have to independently fulfill in relation to the Restricted Stock Units or the Shares. Notwithstanding any provision herein, the Restricted Stock Units and any Shares shall be subject to any special terms and conditions or disclosures as set forth in any addendum for ParticipantÁ€™s country (the Country-Specific Addendum, which forms part this Award Agreement). Á 14. Lock-Up Agreement. In connection with the initial public offering of the CompanyÁ€™s securities, Participant hereby agrees not to offer, pledge, sell, contract to sell, make any short sale of, loan, grant any option for the purchase of, or otherwise dispose of any securities of the Company however and whenever acquired (other than those included in the registration) without the prior written consent of the Company and the managing underwriters for such offering for such period of time (not to exceed 180 days) from the effective date of such registration as may be requested by the Company or such managing underwriters and to execute an agreement reflecting the foregoing as may be requested by the underwriters at the time of the CompanyÁ€™s initial public offering. In addition, upon request of the Company or the underwriters managing a public offering of the CompanyÁ€™s securities (other than the initial public offering), Participant hereby agrees to be bound by similar restrictions, and to sign a similar agreement, in connection with no more than one additional registration statement filed within 12 months after the closing date of the initial public offering, provided that the duration of the lock-up period with respect to such additional registration shall not exceed 90 days from the effective date of such additional registration statement. Notwithstanding the foregoing, if during the last 17 days of the restricted period, the Company issues an earnings release or material news or a material event relating to the Company occurs, or prior to the expiration of the restricted period the Company announces that it will release earnings results during the 16-day period beginning on the last day of the restricted period, then, upon the request of the managing underwriter, to the extent required by any FINRA rules, the restrictions imposed by this subsection shall continue to apply until the end of the third trading day following the expiration of the 15-day period beginning on the issuance of the earnings release or the occurrence of the material news or material event. In no event will the restricted period extend beyond 216 days after the effective date of the registration statement. In order to enforce the restriction set forth above, the Company may impose stop-transfer instructions with respect to the Shares acquired under this Agreement until the end of the applicable stand-off period. The CompanyÁ€™s underwriters shall be beneficiaries of the agreement set forth in this Section. If the underwriters release or waive any of the foregoing restrictions in connection with a transfer of shares of Common Stock, the underwriters shall notify the Company at least three business days before the effective date of any such release or waiver. Further, the Company will announce the impending release or waiver by press release through a major news service at least two business days before the effective date of the release or waiver. Any release or waiver granted by the underwriters shall only be effective two business days after the publication date of such press release. The provisions of this paragraph will not apply if (x) the release or waiver is effected solely to permit a transfer not for consideration and (y) the transferee has agreed in writing to be bound by the same terms of the lock-up provisions applicable in general to the extent, and for the duration, that such lock-up provision remain in effect at the time of the transfer. 15. Plan Governs. This Award Agreement is subject to all terms and provisions of the Plan. In the event of a conflict between one or more provisions of this Award Agreement and one or more provisions of the Plan, the provisions of the Plan will govern. Capitalized terms used and not defined in this Award Agreement will have the meaning set forth in the Plan. 16. Administrator Authority. The Administrator will have the power to interpret the Plan and this Award Agreement and to adopt such rules for the administration, interpretation and application of the Plan as are consistent therewith and to interpret or revoke any such rules (including, but not limited to, the determination of whether or not any Restricted Stock Units have vested). All actions taken and all interpretations and determinations made by the Administrator in good faith will be final and binding upon Participant, the Company and all other interested persons. Á No member of the Administrator will be personally liable for any action, determination or interpretation made in good faith with respect to the Plan or this Award Agreement. 17. Electronic Delivery and Language. The Company may, in its sole discretion, decide to deliver any documents related to Restricted Stock Units awarded under the Plan or future Restricted Stock Units that may be awarded under the Plan by electronic means or request ParticipantÁ€™s consent to participate in the Plan by electronic means. Participant hereby consents to receive such documents by electronic delivery and agrees to participate in the Plan through any on-line or electronic system established and maintained by the Company or another third party designated by the Company. If Participant has received this Award Agreement, including appendices, or any other document related to the Plan translated into a language other than English, and the meaning of the translated version is different than the English version, the English version will control. 18. Captions. Captions provided herein are for convenience only and are not to serve as a basis for interpretation or construction of this Award Agreement. 19. Agreement Severable. In the event that any provision in this Award Agreement will be held invalid or unenforceable, such provision will be severable from, and such invalidity or unenforceability will not be construed to have any effect on, the remaining provisions of this Award Agreement. Á 20. Modifications to the Agreement. This Award Agreement constitutes the entire understanding of the parties on the subjects covered. Participant expressly warrants that he or she is not accepting this Award Agreement in reliance on any promises, representations, or inducements other than those contained herein. Modifications to this Award Agreement or the Plan can be made only in an express written contract executed by a duly authorized officer of the Company. Notwithstanding anything to the contrary in the Plan or this Award Agreement, the Company reserves the right to revise this Award Agreement as it deems necessary or advisable, in its sole discretion and without the consent of Participant, to comply with Section 409A or to otherwise avoid imposition of any additional tax or income recognition under Section 409A in connection to this Award of Restricted Stock Units. 21. Data Privacy. Participant hereby explicitly and unambiguously consents to the collection, use and transfer, in electronic or other form, of ParticipantÁ€™s personal data as described in this Award Agreement by and among, as applicable, the Company and its affiliates for the exclusive purpose of implementing, administering and managing ParticipantÁ€™s participation in the Plan. Participant understands that the Company and its affiliates may hold certain personal information about Participant, including, but not limited to, ParticipantÁ€™s name, home address and telephone number, date of birth, social insurance number or other identification number, salary, nationality, job title, any shares of stock or directorships held in the Company or any affiliate, details of all Restricted Stock Units or any other entitlement to shares of stock awarded, canceled, exercised, vested, unvested or outstanding in ParticipantÁ€™s favor, for the exclusive purpose of implementing, administering and managing the Plan (Personal Data). Participant understands that Personal Data may be transferred to any third parties assisting in the implementation, administration and management of the Plan, that these recipients may be located in the United States, ParticipantÁ€™s country (if different than the United States), or elsewhere, and that the recipientÁ€™s country may have different data privacy laws and protections than ParticipantÁ€™s country. For Participants located in the European Union, the following paragraph applies: Participant understands that he or she may request a list with the names and addresses of any potential recipients of the Personal Data by contacting ParticipantÁ€™s local human resources representative. Participant authorizes the recipients to receive, possess, use, retain and transfer the Personal Data, in electronic or other form, for the purposes of implementing, administering and managing ParticipantÁ€™s participation in the Plan, including any requisite transfer of such Personal Data as may be required to a broker or other third party with whom Participant may elect to deposit any Shares received. Participant understands that Personal Data will be held only as long as is necessary to implement, administer and manage ParticipantÁ€™s participation in the Plan. Participant understands that he or she may, at any time, view Personal Data, request additional information about the storage and processing of Personal Data, require any necessary amendments to Personal Data or refuse or withdraw the consents herein, without cost, by contacting in writing ParticipantÁ€™s local human resources representative. Participant understands that refusal or withdrawal of consent may affect ParticipantÁ€™s ability to participate in the Plan or to realize benefits from the Plan. For more information on the consequences of ParticipantÁ€™s refusal to consent or Á withdrawal of consent, Participant understands that he or she may contact his or her local human resources representative. 22. Foreign Exchange Fluctuations and Restrictions. Participant understands and agrees that the future value of the underlying Shares is unknown and cannot be predicted with certainty and may decrease. Participant also understands that neither the Company, nor any affiliate is responsible for any foreign exchange fluctuation between local currency and the United States Dollar or the selection by the Company or any affiliate in its sole discretion of an applicable foreign currency exchange rate that may affect the value of the Restricted Stock Units or Shares received (or the calculation of income or Tax-Related Items thereunder). Participant understands and agrees that any cross-border remittance made to transfer proceeds received upon the sale of Shares must be made through a locally authorized financial institution or registered foreign exchange agency and may require the Participant to provide such entity with certain information regarding the transaction. 23. Amendment, Suspension or Termination of the Plan. By accepting this Award, Participant expressly warrants that he or she has received an Award of Restricted Stock Units under the Plan, and has received, read and understood a description of the Plan. Participant understands that the Plan is discretionary in nature and may be amended, suspended or terminated by the Company at any time. 24. Governing Law. This Award Agreement will be governed by the laws of the State of Delaware, without giving effect to the conflict of law principles thereof. For purposes of litigating any dispute that arises under this Award of Restricted Stock Units or this Award Agreement, the parties hereby submit to and consent to the jurisdiction of the State of California, and agree that such litigation will be conducted in the courts of the Yolo County, California, or the federal courts for the United States for the Eastern District of California, and no other courts. Á EX-31.1 Exhibit 31.1 CERTIFICATION OF CHIEF EXECUTIVE OFFICER PURSUANT TO EXCHANGE ACT RULE 13a-14(a)/15d-14(a) AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002 I, Thomas J. Schaefer, certify that: 1. I have reviewed this Quarterly Report on Form 10-Q of Arcadia Biosciences, Inc. for the period ended June 30, 2024; 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report; 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report; 4. The registrantÁ€™s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have: (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared; (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles; (c) Evaluated the effectiveness of the registrantÁ€™s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and (d) Disclosed in this report any change in the registrantÁ€™s internal control over financial reporting that occurred during the registrantÁ€™s most recent fiscal quarter (the registrantÁ€™s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrantÁ€™s internal control over financial reporting; and 5. The registrantÁ€™s other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrantÁ€™s auditors and the audit committee of the registrantÁ€™s board of directors (or persons performing the equivalent functions): (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrantÁ€™s ability to record, process, summarize and report financial information; and (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrantÁ€™s internal control over financial reporting. Dated: August 13, 2024 Á /s/ THOMAS J. SCHAEFER Á Thomas J. Schaefer Á President and Chief Executive Officer Á Á (Principal Executive Officer) Á EX-31.2 Exhibit 31.2 CERTIFICATION OF CHIEF FINANCIAL OFFICER PURSUANT TO EXCHANGE ACT RULE 13a-14(a)/15d-14(a) AS ADOPTED PURSUANT TO SECTION 302 OF THE SARBANES-OXLEY ACT OF 2002 I, Mark Kawakami, certify that: 1. I have reviewed this Quarterly Report on Form 10-Q of Arcadia Biosciences, Inc. for the period ended June 30, 2024; 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report; 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods

presented in this report; 4. The registrant’s other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have: (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared; (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles; (c) Evaluated the effectiveness of the registrant’s disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and (d) Disclosed in this report any change in the registrant’s internal control over financial reporting that occurred during the registrant’s most recent fiscal quarter (the registrant’s fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant’s internal control over financial reporting; and 5. The registrant’s other certifying officer and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant’s auditors and the audit committee of the registrant’s board of directors (or persons performing the equivalent functions): (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant’s ability to record, process, summarize and report financial information; and (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant’s internal control over financial reporting. Dated: August 13, 2024 /s/ MARK KAWAKAMI    Mark Kawakami    Chief Financial Officer    (Principal Financial Officer)    EX-32.1 Exhibit 32.1

CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350 AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002 In connection with the accompanying Quarterly Report of Arcadia Biosciences, Inc. (the “Company”), on Form 10-Q for the quarter ended June 30, 2024 (the “Report”), I, Thomas J. Schaefer, President and Chief Executive Officer of the Company, hereby certify pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002 that: (1) the Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and (2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company. Dated: August 13, 2024 /s/ THOMAS J. SCHAEFER    Thomas J. Schaefer    President and Chief Executive Officer    (Principal Executive Officer)    EX-32.2 Exhibit 32.2

CERTIFICATION PURSUANT TO 18 U.S.C. SECTION 1350 AS ADOPTED PURSUANT TO SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002 In connection with the accompanying Quarterly Report of Arcadia Biosciences, Inc. (the “Company”), on Form 10-Q for the quarter ended June 30, 2024 (the “Report”), I, Mark Kawakami, Chief Financial Officer of the Company, hereby certify pursuant to 18 U.S.C. § 1350, as adopted pursuant to § 906 of the Sarbanes-Oxley Act of 2002 that: (1) the Report fully complies with the requirements of section 13(a) or 15(d) of the Securities Exchange Act of 1934; and (2) the information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company. Dated: August 13, 2024 /s/ MARK KAWAKAMI    Mark Kawakami    Chief Financial Officer    (Principal Financial Officer)    A