

Agrigenomics genotyping arrays

applied biosystems

Animal and plant genotyping

The Axiom genotyping solution for agrigenomics provides breeders, researchers and service providers with advanced genotyping tools, enabling the detection, confirmation, and analysis of complex genetic traits in plants or animals. This solution includes arrays with genotype-verified content developed with experts or custom-selected markers tailored to specific needs. It offers a complete package comprising genotyping arrays, reagent kits, an automated workflow, and user-friendly, data analysis tools. Confidently design custom genotyping arrays or panels for any high-throughput industrial application, ensuring that all key markers are accurately targeted and integrated into the custom array.



Plants and crops

Peanut array

Applied Biosystems™ Axiom™ Arachis2



Markers
47,837

Format
384HT-array

Product Description:
Axiom Peanut Genotyping Array



Application
Marker assisted selection and breeding
Trait mapping
Disease resistance research

Soybean array

Applied Biosystems™ Axiom™ SoyaSNP



Markers
180,961

Format
96-array

Product Description:
Axiom Soybean Genotyping Array



Application
Complex trait selection
Breeding and evolutionary genetics

Strawberry array

Applied Biosystems™ Axiom™ Fana_SNP



Markers
49,483

Format
384HT-array

Product Description:
Axiom Strawberry Genotyping
50K Array (Axiom Fana_SNP)



Application
Genomic research and breeding

Wheat array

Applied Biosystems™ Axiom™ TaNG1_1



Markers
43,373

Format
384 Array

Product Description:
Axiom TaNG1.1



Application
Trait mapping
Breeding programs
Evolutionary studies
Genetic diversity analysis

Livestock

Bovine array

Applied Biosystems™ Axiom™ Bov100k



Markers
100,000

Format
384HT-array

Product Description:
Axiom Bovine 100K array



Application
Genomic trait selection
and parentage

Buffalo array

Applied Biosystems™ Axiom™ Buffalo



Markers
90,000

Format
96-array

Product Description:
Axiom Buffalo Genotyping Array



Application
Breeding, research
and conservation

Ovine array

Applied Biosystems™ Axiom™ Ovi_Can



Markers
51,000

Format
384HT-array

Product Description:
Axiom Ovine Genotyping Array (51K)



Application
Parentage marker
selection

Scrapie susceptibility

Breed assignment

Aquaculture

Blue Mussel array

Applied Biosystems™ Axiom™ MYT V1



Markers
60,134

Format
384HT-array

Product Description:
Axiom Blue Mussel Array



Application

Breeding programs

Conservation genetics

Adaptation to
environmental changes

Multispecies array

Applied Biosystems™ Axiom™ Med_Fish



Markers
59,695

Format
384HT-array

29,888 Sea Bass,
29,807 Sea Bream

Product Description:
Axiom MedFish Array



Application

Conservation and
fisheries management

Trait mapping

Marine biodiversity
research

Companion animal

Canine array

Applied Biosystems™ Axiom™ K9_HD



Markers
712,893

Format
96-array

Product Description:
Axiom Canine HD Genotyping Array



Application

Traits and disorders

Parentage

Other

Equine array

Applied Biosystems™ Axiom™ MNEc670



Markers
670,796

Format
96-array

Product Description:
Axiom Equine Genotyping Array



Application

GWAS genomic
selection and traits

Other array

Applied Biosystems™ Axiom™ Camelids



Markers
179,891

Format
96-array

59,958 Dromedary,
59,938 Bactrian,
59,995 Alpaca

Product Description:
Axiom Camelids Genotyping Array



Application

Breed mapping

Genomic selection

Conservation

Trait mapping



Species category	Organism	Product description	Format	SKU	Array name	Markers
Plant	Apple	Axiom Apple Genotyping Array	96-array	550573	Axiom_Apple480	480,000
Plant	Apple	Axiom Apple Genotyping Array (Axiom JKI50kMd)	384HT-array	551434	Axiom_JKI50kMd	48,139
Plant	Apple	Axiom Apple Genotyping Array (Axiom JKI50kMd)	Mini 96-array	551435	Axiom_JKI50kMd	48,139
Plant	Citrus	Axiom Citrus HD Genotyping Array (Citrus15 AX1)	96-array (2 array set)	550729	Axiom_Citrus15_1	702,244
Plant	Citrus	Axiom Citrus HD Genotyping Array (Citrus15 AX2)	96-array (2 array set)	550730	Axiom_Citrus15_2	702,198
Plant	Citrus	Axiom Citrus Genotyping Array	384HT-array	550775	Axiom_Citrus56	58,433
Plant	Cotton	Axiom Cotton Genotyping Array	96-array	550563	Axiom_Cotton	35,550
Plant	Eucalyptus	Axiom Eucalyptus Genotyping Array (72K)	384HT-array	551134	Axiom_Euc72K	72,000
Plant	Eucalyptus	Axiom Eucalyptus Genotyping Array (72K)	Mini 96-array	551135	Axiom_Euc72K_96	72,000
Plant	Maize	Axiom Maize6H Genotyping Array (60K)	384HT-array	551098	Axiom_M6H60k	61,282
Plant	Maize	Axiom Maize6H Genotyping Array (60K)	Mini 96-array	551099	Axiom_M6H60k_96	61,282
Plant	Maize	Axiom Maize Genotyping Array	96-array	550494	Axiom_Maize600	616,201
Plant	Multispecies	Axiom Multispecies Plant Genotyping Array (Cashew, Cassava, Araucaria and Eucalptus)	384HT-array	550776	Axiom_EMBR5SNP	Total = 50,777 3,417 cassava 16,504 cashew 3,400 pine 25,456 coffee 2,000 eucalyptus



Species category	Organism	Product description	Format	SKU	Array name	Markers
Plant	Multispecies	Axiom Multispecies Plant Genotyping Array (Cashew, Cassava, Araucaria and Eucalptus)	Mini 96-array	551231	Axiom_EMBR5SNP	Total = 50,777 3,417 cassava 16,504 cashew 3,400 pine 25,456 coffee 2,000 eucalyptus
Plant	Norway Spruce	Axiom Pcab50K Array	384 array	551137	Axiom_Pcab50K	47,445
Plant	Norway Spruce	Axiom Pcab50K Array	Mini-96 array	551138	Axiom_Pcab50K_96	47,445
Plant	Peanut	Axiom Peanut Genotyping Array	384HT-array	550846	Axiom_Arachis2	47,837
Plant	Peanut	Axiom Peanut Genotyping Array	Mini 96-array	550865	Axiom_Arachis2_96	47,837
Plant	Pear	Axiom Pear Genotyping Array	384HT-array	550887	Axiom_PearAX58	50,000
Plant	Pear	Axiom Pear Genotyping Array	Mini 96-array	551146	Axiom_PearAX58	50,000
Plant	Rice	Axiom Rice Genotyping Array	96-array	550625	Axiom_Rice44K	49,600
Plant	Rose	Axiom Rose Genotyping Array	96-array	550450	WagRhSNP	68,893
Plant	Rye	Axiom Rye Genotyping Array	96-array	550535	Axiom_Rye600k	600,843
Plant	Soybean	Axiom Soybean Genotyping Array	96-array	550469	Axiom_SoyaSNP	180,961
Plant	Strawberry	Axiom Strawberry Genotyping Array (i35)	384HT-array	550767	Axiom_IStraw35	34,260
Plant	Strawberry	Axiom Strawberry Genotyping Array (i35)	Mini 96-array	550827	Axiom_IStraw35	34,260
Plant	Strawberry	Axiom Strawberry Genotyping 50K Array (Axiom Fana_SNP)	384HT-array	551041	Axiom_Fana_SNP	49,483
Plant	Strawberry	Axiom Strawberry Genotyping 50K Array (Axiom Fana_SNP)	Mini 96-array	551042	Axiom_Fana_SNP_96	49,483



Species category	Organism	Product description	Format	SKU	Array name	Markers
Plant	Strawberry	Axiom Strawberry Genotyping Array (IStraw90K)	96-array	550466	IStraw90	95,062
Plant	Tomato	Axiom Tomato Genotyping Array	96-array	550497	Axiom_GMSNPv1	51,214
Plant	Walnut	Axiom Walnut Genotyping Array	96-array	550817	Axiom_JunRegia	609,659
Plant	Wheat	Axiom TaNG1.1	384 array	551498	Axiom_TaNG1_1	43,373
Plant	Wheat	Axiom TaNG1.1	Mini-96 array	551499	Axiom_TaNG1_1	43,373
Plant	Wheat	Axiom Wheat HD Genotyping Array (Bristol W1)	96-array (2 array set)	550491	Axiom_BristolW_1	817,000
Plant	Wheat	Axiom Wheat HD Genotyping Array (Bristol W2)	96-array (2 array set)	550492	Axiom_BristolW_2	817,000
Plant	Wheat	Axiom Wheat Breeders Genotyping Array	384HT-array	550524	Axiom_WhtBrd-1	35,000
Plant	Wheat	Axiom Wheat Breeders Genotyping Array	Mini 96-array	550966	Axiom_WhtBrd-1	35,000
Plant	Wheat	Axiom BreedWheat 35K Genotyping Array (TaBW35K)	384HT-array	550868	Axiom_TaBW35K	34,746
Plant	Wheat	Axiom BreedWheat 35K Genotyping Array (TaBW35K)	Mini 96-array	550879	Axiom_TaBW35K_96	34,746
Livestock	Bovine	Axiom Bovine Genotyping v3 Array	384HT-array	551089	Axiom_BovMDv3	63,988
Livestock	Bovine	Axiom Bovine Genotyping v3 Array	Mini 96-array	551090	Axiom_BovMDv3_96	63,988



Species category	Organism	Product description	Format	SKU	Array name	Markers
Livestock	Bovine	Axiom Bovine 100K array	384HT-array	551325	Axiom_Bov100k	100,000
Livestock	Bovine	Axiom Bovine 100K array	Mini 96-array	551326	Axiom_Bov100k	100,000
Livestock	Bovine	Axiom Genome-Wide BOS 1 Bovine Array Kit	96-array	901791	Axiom_GW_Bos_SNP_1	648,855
Livestock	Buffalo	Axiom Buffalo Genotyping Array	96-array	550431	Axiom_Buffalo	90,000
Livestock	Caprine	Axiom Goat Genotyping v1 Array	384HT-array	551365	Axiom_Goat_v1	58,655
Livestock	Caprine	Axiom Goat Genotyping v1 Array	Mini 96-array	551366	Axiom_Goat_v1	58,655
Livestock	Caprine	Axiom Goat Genotyping v2 Array	384HT-array	551343	Axiom_Goat_v2	59,795
Livestock	Caprine	Axiom Goat Genotyping v2 Array	Mini 96-array	551344	Axiom_Goat_v2	59,795
Livestock	Chicken	Axiom Genome-Wide Chicken Array Kit	96-array	902148	Axiom_GW_Gal_SNP_1	580,000
Livestock	Ovine	Axiom Ovine Genotyping Array (51K)	384HT-array	550898	Axiom_Ovi_Can	51,000
Livestock	Ovine	Axiom Ovine Genotyping Array (51K)	Mini 96-array	550947	Axiom_Ovi_Can_96	51,000
Livestock	Porcine	Axiom Porcine HD Genotyping Array	96-array	550588	Axiom_pigHD_v1	658,692
Livestock	Porcine	Axiom Porcine Breeders Genotyping Array	384HT-array	550833	Axiom_Pig55k	55,232
Livestock	Porcine	Axiom Porcine Breeders Genotyping Array	Mini 96-array	550855	Axiom_Pig55k	55,232
Livestock	Turkey	Axiom Turkey Genotyping Array	96-array	550538	Axiom_TurkeyHD	643,845
Aquaculture	Arctic Charr	Axiom Arctic Charr Genotyping Array (Axiom SalpSNP)	96-array	550925	Axiom_SalpSNP	86,504
Aquaculture	Blue Mussel	Axiom Blue Mussel Array	384HT-array	551405	MYT V1	60,134
Aquaculture	Catfish	Axiom Catfish Genotyping Array	96-array	550704	Axiom_CF675K	693,567

Species category	Organism	Product description	Format	SKU	Array name	Markers
Aquaculture	Coral-Algae	Axiom Coral-Algae Genotyping Array (Axiom AcropSNP)	384HT-array	550961	Axiom_AcropSNP	Total = 57,610 53,589 coral 4,021 algae
Aquaculture	Coral-Algae	Axiom Coral-Algae Genotyping Array (Axiom AcropSNP)	Mini 96-array	550962	Axiom_AcropSNP_96	Total = 57,610 53,589 coral 4,021 algae
Aquaculture	Multispecies	Axiom MedFish Array	384HT-array	551144	Axiom_Med_Fish	Total = 59,695 29,888 sea bass 29,807 sea bream
Aquaculture	Multispecies	Axiom MedFish Array	Mini-96 array	551145	Axiom_Med_Fish	Total = 59,695 29,888 sea bass 29,807 sea bream
Aquaculture	Multispecies	Axiom Shrimp & Tilapia Genotyping Array (Axiom TilShrv1)	384HT-array	551185	Axiom_TilShrv1	Total = 67,339 6,453 shrimp 60,886 tilapia
Aquaculture	Multispecies	Axiom Shrimp & Tilapia Genotyping Array (Axiom TilShrv1)	Mini 96-array	551186	Axiom_TilShrv1	Total = 67,339 6,453 shrimp 60,886 tilapia
Aquaculture	Multispecies	Axiom Multispecies Fish Genotyping Array (Axiom SerraSNP)	384HT-array	551218	Axiom_SerraSNP	Total = 59,187 29,612 pacu (Piaractus mesopotamicus) 29,575 tambaqui (Colossoma macropomus)
Aquaculture	Multispecies	Axiom Multispecies Fish Genotyping Array (Axiom SerraSNP)	Mini 96-array	551219	Axiom_SerraSNP	Total = 59,187 29,612 pacu (Piaractus mesopotamicus) 29,575 tambaqui (Colossoma macropomus)
Aquaculture	Oyster	Axiom Oyster Genotyping Array	384HT-array	550796	Axiom_Oyster02	55,575
Aquaculture	Oyster	Axiom Oyster Genotyping Array	Mini 96-array	551179	Axiom_Oyster02	55,575
Aquaculture	Salmon	Axiom Salmon Genotyping Array (Salmo salar)	96-array	550540	Axiom_Salmon	430,743

Species category	Organism	Product description	Format	SKU	Array name	Markers
Aquaculture	Salmon	Axiom Coho Salmon Genotyping Array (70K)	384HT-array	551112	Axiom_Coho70K	70,659
Aquaculture	Salmon	Axiom Coho Salmon Genotyping Array (70K)	Mini 96-array	551113	Axiom_Coho70K	70,659
Aquaculture	Salmon	Axiom Coho Salmon Genotyping Array	96-array	550862	Axiom_EPICoho	200,000
Aquaculture	Rainbow Trout	Axiom UVicOmyk Genotyping Array	96-array	551061	Axiom_UVicOmyk	201,554
Aquaculture	Trout	Axiom HD_Trout Array	96-array	551309	Axiom_HD_Trout	702,183
Aquaculture	Trout	Axiom Trout Genotyping Array	384HT-array	550571	Axiom_Omy50Kv2	57,501
Aquaculture	Trout	Axiom Trout Genotyping Array	Mini 96-array	551387	Axiom_Omy50Kv2	57,501
Aquaculture	Trout	Axiom Trout Genotyping Array	96-array	550468	Axiom_Omy_50K	57,501
Companion animal	Canine	Axiom Canine Genotyping Array Set A	96-array	550771	Axiom_K9HDSNPA	460,000
Companion animal	Canine	Axiom Canine Genotyping Array Set B	96-array	550772	Axiom_K9HDSNPB	670,000
Companion animal	Canine	Axiom Canine HD Genotyping Array	96-array	550869	Axiom_K9_HD	712,893



Species category	Organism	Product description	Format	SKU	Array name	Markers
Multispecies	Multispecies	Axiom Ovi_Ory Genotyping Array	384HT-array	550838	Axiom_Ovi_Ory	Total = 44,563 11,198 ovine 33,365 rice
Multispecies	Multispecies	Axiom IMAGE001 Genotyping Array	384HT-array	551165	Axiom_IMAGE001	Total = 59,722 10,101 bovine 9,306 chicken 9,983 goat 10,114 horse 10,107 pig 10,111 sheep
Multispecies	Multispecies	Axiom Ovi_Ory Genotyping Array	Mini 96-array	551178	Axiom_Ovi_Ory	Total = 44,563 11,198 ovine 33,365 rice
Multispecies	Multispecies	Axiom IMAGE001v2 Genotyping Array	Mini 96-array	551409	Axiom_IMAGE1v2	Total = 50,037 8,790 porcine pig 9,592 bovine cattle 8,930 equine horse 12,110 ovine sheep 10,615 caprine goat 8,583 chicken
Multispecies	Multispecies	Axiom Multispecies 9-Genotyping Array	384HT-array	551416	Axiom_GnxUYv1	Total = 48,440 12,000 honeybee 10,763 sunflower 8,875 rice 9,019 soy 4,734 green bean 2,463 bovine 1,991 ovine 989 equine 606 canine
Multispecies	Multispecies	Axiom Multispecies 9-Genotyping Array	Mini 96-array	551417	Axiom_GnxUYv1	Total = 48,440 12,000 honeybee 10,763 sunflower 8,875 rice 9,019 soy 4,734 green bean 2,463 bovine 1,991 ovine 989 equine 606 canine

Species category	Organism	Product description	Format	SKU	Array name	Markers
Multispecies	Multispecies	Axiom Bovine-Ovine-Caprine Genotyping Array	96-array	550627	Axiom_OviCap	Total = 168,830 54,560 bovine 54,236 ovine 60,034 caprine
Multispecies	Multispecies	Axiom IMAGE002 Genotyping Array	384HT-array	551263	Axiom_IMAGE002	Total = 39,504 7,901 buffalo 7,900 duck 7,901 pigeon 7,901 quail 7,901 rabbit
Multispecies	Multispecies	Axiom IMAGE001v2 Genotyping Array	384HT-array	551408	Axiom_IMAGE1v2	Total = 50,037 8,790 porcine pig 9,592 bovine cattle 8,930 equine horse 12,110 ovine sheep 10,615 caprine goat 8,583 chicken
Other	Deer	Axiom OVSNP600 Genotyping Array (White Tailed Deer)	96-array	551189	Axiom_OvSNP600	702,183
Other	Deer	Axiom OVSNP60 Genotyping Array (White Tailed Deer)	384HT-array	551367	Axiom_OvSNP60	72,723
Other	Equine	Axiom Equine Genotyping Array	96-array	550583	Axiom_MNEc670	670,796
Other	Equine	Axiom Equine Plus Genotyping Array	96-array	550624	Axiom_MNEc670P	670,800
Other	Mosquito	Axiom Aedes Aegypti Genotyping Array	96-array	550481	Axiom_aegypti1	50,000
Other	Mouse	Axiom Mouse Genotyping Array	96-array	550810	Axiom_MouseHD	616,136
Other	Other	Axiom Camelids Genotyping Array	96-array	551142	Axiom_Camelids	Total = 179,891 59,958 dromedary 59,938 bactrian 59,995 alpaca
Other	Rabbit	Axiom Rabbit Genotyping Array	96-array	550669	Axiom_OrCunSNP	200,000

Resources

[Data Sheet Axiom Porcine Genotyping Array 550588](#)

[Data Sheet Axiom Chicken Genotyping Array 902148](#)

[Data Sheet Axiom Maize Genotyping Array 550494](#)

[Data Sheet Axiom Rose Genotyping Array 550450](#)

[Data Sheet Axiom Salmon Genotyping Array 550540](#)

[Data Sheet Axiom Strawberry Genotyping Array 550466 550827](#)

[Data Sheet Axiom Trout Genotyping Array 550468 55057](#)

[Data Sheet Axiom Wheat Breeder's Genotyping Array 550524](#)

[Data Sheet Axiom Wheat HD Genotyping Arrays 550491 550492](#)

[Data Sheet Axiom Rice Genotyping Array 550625](#)

[Data Sheet AxiomAppleGenotypingArray](#)

[Data Sheet Axiom Soybean Genotyping Array 550469](#)

[Data Sheet Axiom-Genome-Wide-BOS-1-Array-Plate](#)

[Data Sheet Axiom-Cotton-Genotyping-Array-Global](#)

[Data Sheet Axiom-Equine-Genotyping-Array](#)

[Product Bulletin Axiom Bovine Genotyping v3 Array 551089](#)

[Product Bulletin Axiom Ovine Genotyping Array 550838](#)

[Product Bulletin Axiom Porcine Breeders Array 550833 550855](#)

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