

Supplementary Figure 4 – Alignment of GIFT *amh*, *amhy*, and *amhΔy* 5' UTR and gene promoter region. Nucleotide sequence conservation is shaded and 346 bp Abbassa *amh* 5' UTR sequence shown for reference. Green nucleotides on *amhΔy* sequence indicate the 46 bp 5' UTR. The 165 bp deletion in *amhΔy* gene promoter and 3 bp 'TCT' insertion in *amhy* gene promoter marked in red. The deletions at > 1.6 kb in *amhy* and *amhΔy* are marked in green.

		10810.....10820.....10830.....10840.....10850.....10860
GIFT_amh_LG23	9990	AGCTGAGCGGCGTCTGACCGGTTACTGTGGGGTCCTGGGCCGGTTGCAGGGTCCAGCAGA
GIFT_amhΔy_h1tg0001781	9730	AGCTGAGCGGCGTCTGACCGGTTACTGTGGGGTCCTGGGCCGGTTGCAGGGTCCAGCAGA
GIFT_amhy_h1tg0001781	9990	AGCTGAGCGGCGTCTGACCGGTTACTGTGGGGTCCTGGGCCGGTTGCAGGGTCCAGCAGA
GIFT_amh_5'UTR	1	-----
		10870.....10880.....10890.....10900.....10910.....10920
GIFT_amh_LG23	10050	GTGTCAGCGCCTCGCTGTAAAGAACGAGCAGACCCAACATGTTTGCAGTGTCTGCGCGTG
GIFT_amhΔy_h1tg0001781	9790	GTGTCAGCGCCTCGCTGTAAAGAACGAGCAGACCCAACATGTTTGCAGTGTCTGCGCGTG
GIFT_amhy_h1tg0001781	10050	GTGTCAGCGCCTCGCTGTAAAGAACGAGCAGACCCAACATGTTTGCAGTGTCTGCGCGTG
GIFT_amh_5'UTR	1	-----GTTTGCAGTGTCTGCGCGTG
		10930.....10940.....10950.....10960.....10970.....10980
GIFT_amh_LG23	10110	CGTTTGTGTGGTCAGATCTCTCACAGGATGGGAGTTACATCCTCAGACCTCCCCCTTCTCA
GIFT_amhΔy_h1tg0001781	9850	CGTTTGTGTGGTCAGATCTCTCACAGGATGGGAGTTACATCCTCAGACCTCCCCCTTCTCA
GIFT_amhy_h1tg0001781	10110	CGTCTGTGTGGTCAGATCTCTCACAGGATGGGAGTTACATCCTCAGACCTCCCCCTTCTCA
GIFT_amh_5'UTR	20	CGTCTGTGTGGTCAGATCTCTCACAGGATGGGAGTTACATCCTCAGACCTCCCCCTTCTCA
		10990.....11000.....11010.....11020.....11030.....11040
GIFT_amh_LG23	10170	CCACCTGGGGTCCCTTTTCTGCCAAAATAGCAGCACTGTGTGTCCTTGATGACTGAGATT
GIFT_amhΔy_h1tg0001781	9910	CCACCTGGGGTCCCTTTTCTGCCAAAATAGCAGCACTGTGTGTCCTTGATGACTGAGATT
GIFT_amhy_h1tg0001781	10170	CCACCTGGGGTCCCTTTTCTGCCAAAATAGCAGCACTGTGTGTCCTTGATGACTGAGATT
GIFT_amh_5'UTR	80	CCACCTGGGGTCCCTTTTCTGCCAAAATAGCAGCACTGTGTGTCCTTGATGACTGAGATT
		11050.....11060.....11070.....11080.....11090.....11100
GIFT_amh_LG23	10230	GTCAGTATTTGAGGTATTTTAACTGCTTGTGGAGAACATTCTAAATCAGACAGCAAAC
GIFT_amhΔy_h1tg0001781	9970	GTCAGTATTTGAGGTATTTTAACTGCTTGTGGAGAACATTCTAAATCAGACAGCAAAC
GIFT_amhy_h1tg0001781	10230	GTCAGTATTTGAGGTATTTTAACTGCTTGTGGAGAACATTCTAAATCAGACAGCAAAC
GIFT_amh_5'UTR	140	GTCAGTATTTGAGGTATTTTAACTGCTTGTGGAGAACATTCTAAATCAGACAGCAAAC
		11110.....11120.....11130.....11140.....11150.....11160
GIFT_amh_LG23	10290	GGGACACGGAGGTAAACAGAAGACGACTTTGGACACACTGAACATCCTTATCTAGCAGAC
GIFT_amhΔy_h1tg0001781	10030	GGGACACGGAGGTAAACAGAAGACGACTTTGGACACACTGAACATCCTTATCTAGCAGAC
GIFT_amhy_h1tg0001781	10290	GGGACACGGAGGTAAACAGAAGACGACTTTGGACACACTGAACATCCTTATCTAGCAGAC
GIFT_amh_5'UTR	200	GGGACACGGAGGTAAACAGAAGACGACTTTGGACACACTGAACATCCTTATCTAGCAGAC
		11170.....11180.....11190.....11200.....11210.....11220
GIFT_amh_LG23	10350	ACAAACAGGTCCCGGAAAGAAAGTTTCTCACGAACCTTTCATAGAATACACAGGCTGAA
GIFT_amhΔy_h1tg0001781	10090	ACAAACAGGTCCCGGAAAGAAAGTTTCTCACGAACCTTTCATAGAATACACAGGCTGAA
GIFT_amhy_h1tg0001781	10350	ACAAACAGGTCCCGGAAAGAAAGTTTCTCACGAACCTTTCATAGAATACACAGGCTGAA
GIFT_amh_5'UTR	260	ACAAACAGGTCCCGGAAAGAAAGTTTCTCACGAACCTTTCATAGAATACACAGGCTGAA
		11230.....11240.....11250.....11260.....11270.....11280
GIFT_amh_LG23	10410	AGATGAAGAGTGCTGTTTAAATGTTTCGTGGCTGCAGAGCTAATATGCACGCTGCTTAACT
GIFT_amhΔy_h1tg0001781	10150	AGATGAAGAGTGCTGTTTAAATGTTTCGTGGCTGCAGAGCTAATATGCACGCTGCTTAACT
GIFT_amhy_h1tg0001781	10410	AGATGAAGAGTGCTGTTTAAATGTTTCGTGGCTGCAGAGCTAATATGCACGCTGCTTAACT
GIFT_amh_5'UTR	320	AGATGAAGAGTGCTGTTTAAATGTTTC-----
		11290.....11300.....11310.....11320.....11330.....11340
GIFT_amh_LG23	10470	TAACCCCTCTCGAGGCAGGCGTTGCCGATTGCAACAGTTAAAACTAACAACCTGATTAC
GIFT_amhΔy_h1tg0001781	10210	TAACCCCTCTCGAGGCAGGCGTTGCCGATTGCAACAGTTAAAACTAACAACCTGATTAC
GIFT_amhy_h1tg0001781	10470	TAACCCCTCTCGAGGCAGGCGTTGCCGATTGCAACAGTTAAAACTAACAACCTGATTAC
GIFT_amh_5'UTR	29	-----
		11350.....11360.....11370.....11380.....11390.....11400
GIFT_amh_LG23	10530	CCTACATACATATTTTATGAGTC-----TTTTTTTTTTTTTGATAATTTTCCCCAAATATCAGAT
GIFT_amhΔy_h1tg0001781	10270	CCTACATACATATTTTATGAGTC-----TTTTTTTTTTTTTGATAATTTTCCCCAAATATCAGAT
GIFT_amhy_h1tg0001781	10530	CCTACATACATATTTTATGAGTC-----TTTTTTTTTTTTTGATAATTTTCCCCAAATATCAGAT
GIFT_amh_5'UTR	29	-----
		11410.....11420.....11430.....11440.....11450.....11460
GIFT_amh_LG23	10589	TTTTCCTGTAACATAAACTTAATTTGAGCCTGAGAGGGTTAAACAAAGAGGACAGTAGAA
GIFT_amhΔy_h1tg0001781	10330	TTTTCCTGTAACATAAACTTAATTTGAGCCTGAGAGGGTTAAACAAAGAGGACAGTAGAA
GIFT_amhy_h1tg0001781	10590	TTTTCCTGTAACATAAACTTAATTTGAGCCTGAGAGGGTTAAACAAAGAGGACAGTAGAA
GIFT_amh_5'UTR	29	-----
		11470.....11480.....11490.....11500.....11510.....11520
GIFT_amh_LG23	10649	CTGGAGGTTTGCTTCCATCACGTCGACAACAAAGCTCAAAACGATTTTAAAGAAACACTT
GIFT_amhΔy_h1tg0001781	10390	CTGGAGGTTTGCTTCCATCACGTCGACAACAAAGCTCAAAACGATTTTAAAGAAACACTT
GIFT_amhy_h1tg0001781	10650	CTGGAGGTTTGCTTCCATCATGTCGACAACAAAGCTCAAAACGATTTTAAAGAAACACTT
GIFT_amh_5'UTR	29	-----
		11530.....11540.....11550.....11560.....11570.....11580

GIFT_amh_LG23	10709	TGCATTTTGGTAAATCTGCTTACTTGTGCTTTGGACTGATGAC---TCCTCTTAGAGAG
GIFT_amhΔy_h1tg0001781	10450	TGCATTTT-----
GIFT_amhy_h1tg0001781	10710	TGCATTTTGGTAAATCTGCTTACTTGTGCTTTGGACTGATGACTCTTCCTCTTAGAGAG
GIFT_amh_5'UTR	29	-----
.....11590.....11600.....11610.....11620.....11630.....11640		
GIFT_amh_LG23	10766	ACTGCTGGCAGAAAGCCTTGAAGGGAAACTTCAGCCACATCCACTGTTTTTCATCTTTCT
GIFT_amhΔy_h1tg0001781	10457	-----
GIFT_amhy_h1tg0001781	10770	ACTGCTGGCAGAAAGCCTTGAAGGGAAACTTCAGCCACATCCACTGTTTTTCATCTTTCT
GIFT_amh_5'UTR	29	-----
.....11650.....11660.....11670.....11680.....11690.....11700		
GIFT_amh_LG23	10826	GTTTCTCTAAGCGGGGGATGTCCAACATCAGGCCAGGGGCTAGAATCACCAGCAATGA
GIFT_amhΔy_h1tg0001781	10457	-----CAGCAATGA
GIFT_amhy_h1tg0001781	10830	GTTTCTCTAAGCGGGGGATGTCCAACATCAGGCCAGGGGCTAGAATCACCAGCAATGA
GIFT_amh_5'UTR	29	-----
.....11710.....11720.....11730.....11740.....11750.....11760		
GIFT_amh_LG23	10886	CTCCAACCCAGCTCACTTGAAGGATGGCATAAAT-----
GIFT_amhΔy_h1tg0001781	10466	CTCCAACCCAGCTCACTTGAAGGATGGCATAAAT-----
GIFT_amhy_h1tg0001781	10890	CTCCAACCCAGCTCACTTGAAGGATGGCAAAATTTGCCAGCACCAAAACACCCCTTTCA
GIFT_amh_5'UTR	29	-----
.....11770.....11780.....11790.....11800.....11810.....11820		
GIFT_amh_LG23	10920	-----TTTGGACTTTTAACTGTATTTTCTTAAATTTTATGGCTTTTC
GIFT_amhΔy_h1tg0001781	10500	-----TTTGGACTTTTAACTGTATTTTCTTAAATTTTAAAGGCTTTTC
GIFT_amhy_h1tg0001781	10950	CATATATATGTATATATATTTTATATACTTATATATATTTATATAGACTGTATATAGTTAC
GIFT_amh_5'UTR	29	-----
.....11830.....11840.....11850.....11860.....11870.....11880		
GIFT_amh_LG23	10962	CTGCTAATAAAGAAGCTCTGCCACATGTTTCATGCTACACCAAAGTGATTAACAATTACATG
GIFT_amhΔy_h1tg0001781	10542	CTGCTAATAAAGAAGCTCTGCCACATGTTTCATGCTACACCAAAGTGATTAACAATTACATG
GIFT_amhy_h1tg0001781	11010	TTATT--TTACATACTTTCTGTTTATGACGGAGATGTACAATTAAAGAAAACCTTATGTA
GIFT_amh_5'UTR	29	-----
.....11890.....11900.....11910.....11920.....11930.....11940		
GIFT_amh_LG23	11022	ACAAAAAAGTTCCTGTTTTTTT-TCACCATC-----TGCTCCAGAAATTAGT---
GIFT_amhΔy_h1tg0001781	10602	ACAAAAAAGTTCCTGTTTTTTTTCACCATC-----TGCTCCAGAAATTAGT---
GIFT_amhy_h1tg0001781	11068	CAAAAACAGTGTCTCTGTTTACCAACAGCGGGCCGATGTATGTTTAAACATTACAGG
GIFT_amh_5'UTR	29	-----
.....11950.....11960.....11970.....11980.....11990.....12000		
GIFT_amh_LG23	11067	-----TTTTTTCTGTAAT
GIFT_amhΔy_h1tg0001781	10648	-----TTTTTTCTGTAAT
GIFT_amhy_h1tg0001781	11128	GGCCCCCGTGGCCGTCGCTCGGGCCCCGAGCCGGCTGCACGAGAGCACTTTCATCCAAG
GIFT_amh_5'UTR	29	-----
.....12010.....12020.....12030.....12040.....12050.....12060		
GIFT_amh_LG23	11080	ATTACACATTTATTATTTTATAATGGAAAATTTCTTTGATTTCAGATTCAAAGTGTTTA
GIFT_amhΔy_h1tg0001781	10661	ATTACACATTTATTATTTTATGATGGAAAATTTCTTTGATTTCAGATTCAAAGTGTTTA
GIFT_amhy_h1tg0001781	11188	GTGGCGTCTACAGTTGTACACGATG-----CATTCAAAGAACGAGACAATAGC
GIFT_amh_5'UTR	29	-----
.....12070.....12080.....12090.....12100.....12110.....12120		
GIFT_amh_LG23	11140	TTGTCATGTGTCCAAGAAAAAAGGC-----ATTCTCTGTGCAATGA
GIFT_amhΔy_h1tg0001781	10721	TTGTCATGTGTCCAAGAAAAAAGGC-----ATTCTCTGTGCAATGA
GIFT_amhy_h1tg0001781	11236	ATATTAAATATGAGAAAGGAAATGCCAAAAAACGGCTTTACAAATGTCCCTGTGTACAGC
GIFT_amh_5'UTR	29	-----
.....12130.....12140.....12150.....12160.....12170.....12180		
GIFT_amh_LG23	11183	AACTTTTGCTTTGCT-----GTCCACCCACAGA
GIFT_amhΔy_h1tg0001781	10764	AACTTTTGCTTTGCT-----GTCCACCCACAGA
GIFT_amhy_h1tg0001781	11296	ACCAAGTACTTGACTTGTTTTTGATGTTTTTCATTACAGAATAAATAAGATCAGGCATAGT
GIFT_amh_5'UTR	29	-----
.....12190.....12200.....12210.....12220.....12230.....12240		
GIFT_amh_LG23	11211	TGCCGGTTAATA-----TTTACAGTAGAAATAGAACAGATAAATACAAAT-----
GIFT_amhΔy_h1tg0001781	10792	TGCCGGTTAATA-----TTTACAAATAGAAATAGAACAGATAAATACAAAT-----
GIFT_amhy_h1tg0001781	11356	CCAAACTTAGCACCATTTGTTTTCAGACTGTGAGTCAAGTACACACACACTAATGCATTCT
GIFT_amh_5'UTR	29	-----
.....12250.....12260.....12270.....12280.....12290.....12300		
GIFT_amh_LG23	11256	-----AGCACAATAAAA-----TAAAGACAGAAAAGGAGACAAATTATTGAAGTCTGA

GIFT_amhΔy_h1tg0001781	10837	-----AGCACAAATATAA-----TAAAGACAGAAAAGGAGACAAATATTGAAGTCTGA
GIFT_amhy_h1tg0001781	11416	ACAATGTCAACACAATTCAGGATTAAAAAAGGCAAATGGAAAGACCC-AC
GIFT_amh_5'UTR	29	-----
.....12310.....12320.....12330.....12340.....12350.....12360		
GIFT_amh_LG23	11304	AACATAGATGTGTGCAAAAGAGCTATAGCTTAATATGCTGGCTTAATATGCAGGATGACC
GIFT_amhΔy_h1tg0001781	10885	AACAGAGATGTGTGCAAAAGAGCTATAGCTTAATATGCTGGCTTAATATGCAGGATGACC
GIFT_amhy_h1tg0001781	11475	AGCATAAATAAATCATCTAAATTATCCACAATATACAGTCAGAGAATTAATCATTTC
GIFT_amh_5'UTR	29	-----
.....12370.....12380.....12390.....12400.....12410.....12420		
GIFT_amh_LG23	11364	TGATGTGCAAAAATTATTATTATGTTCAAAAATAGGTCAGCTTGTTTGAGTCTGATGG
GIFT_amhΔy_h1tg0001781	10945	TGATGTGCAAAAATTATTATTATGTTCAAAAATAGGTCAGCTTGTTTGAGTCTGATGG
GIFT_amhy_h1tg0001781	11535	ATA-----GTACAAACATCGTTTACAAAACAAATTACACCGTTTTTAAAAAGCAAACA
GIFT_amh_5'UTR	29	-----
.....12430.....12440.....12450.....12460.....12470.....12480		
GIFT_amh_LG23	11424	CAGTGGGGAAGAAGGCGTTGTTGAGTCTGGATGTTCTGGATTTCACACTTCTAAACCTCC
GIFT_amhΔy_h1tg0001781	11005	CAGTGGGGAAGAAGGCGTTGTTGAGTCTGGATGTTCTGGATTTCACACTTCTAAACCTCC
GIFT_amhy_h1tg0001781	11590	AAGAGGTGTGAACAAGTCCAGTAGTTTG-----TTGTGGTTATGGTCAACTATGTTTTC
GIFT_amh_5'UTR	29	-----
.....12490.....12500.....12510.....12520.....12530.....12540		
GIFT_amh_LG23	11484	GCCCCGAGGGCAGAAGTGTGAACAGTCCGTGTTGGGGATGTGTGGGTCTTTGAGGATGG
GIFT_amhΔy_h1tg0001781	11065	GCCCCGAGGGCAGAAGTGTGAACAGTCCATGTTGGGGATGTGTGGGTCTTTGAGGATGG
GIFT_amhy_h1tg0001781	11645	CCAGTGTGTGAGGATTTGCATGCATGACTGTGTGTGTGTGTGTGTGTTTAACTAA
GIFT_amh_5'UTR	29	-----
.....12550.....12560.....12570.....12580.....12590.....12600		
GIFT_amh_LG23	11544	AGGCAG-----CTCTCCTTTGGA-----
GIFT_amhΔy_h1tg0001781	11125	AGGCGG-----CTCTCCTCTGGA-----
GIFT_amhy_h1tg0001781	11705	ACGCAGTAAATTTACATATCAGTCCACTTTCATTTAAACCTGCATTTCTAACAGCAC
GIFT_amh_5'UTR	29	-----
.....12610.....12620.....12630.....12640.....12650.....12660		
GIFT_amh_LG23	11562	-----CTCTGCGATGGTAGATGCTGTGCAGAGAGGGCAGCGGA
GIFT_amhΔy_h1tg0001781	11143	-----CTCTGCGATGGTAGATGCTGTGCAGAGAGGGCAGCGGA
GIFT_amhy_h1tg0001781	11765	GGATAAATATGAATGCATGGATCTCTGCCGTTATGCTTAGCTTACAAAGAG-----
GIFT_amh_5'UTR	29	-----
.....12670.....12680.....12690.....12700.....12710.....12720		
GIFT_amh_LG23	11600	GTCCTGATTATCTTCCCTGCAGTTGTTATCACTC-----TC
GIFT_amhΔy_h1tg0001781	11181	GTCCTGATTATCTTCCCTGCAGTTGTTATCACTC-----TC
GIFT_amhy_h1tg0001781	11816	----GAATATTCTGCTGCCGTTTGTGTGACTTCACAAACCGACGGGAAAGAACGGTT
GIFT_amh_5'UTR	29	-----
.....12730.....12740.....12750.....12760.....12770.....12780		
GIFT_amh_LG23	11636	TGCAGGTGATTGCAGTCCATGGCAGTAGTGCTGCCGTATCATGCAGTGTATGCAGCTGGTC
GIFT_amhΔy_h1tg0001781	11217	TGCAGGTGATTGCGGTCCATGGCAGTAGTGCTGCCATATCATGCAGTGTATGCAGCTGGTC
GIFT_amhy_h1tg0001781	11871	AATAAATACACGCAAACTCACTGAACCTCTGTTGTTCTTGGACATGTGATTGAGCTGTTTC
GIFT_amh_5'UTR	29	-----
.....12790.....12800.....12810.....12820.....12830.....12840		
GIFT_amh_LG23	11696	AGTGTGCTCTCCACAATGCAGCTGTAGAAC-----CTGCTGAGGATCATACCAAATTT
GIFT_amhΔy_h1tg0001781	11277	AGTGTGCTCTCCACAATGCAGCTGTAGAAC-----CTGCTGAGGATCATACCAAATTT
GIFT_amhy_h1tg0001781	11931	GCTGAAC-CTTAACAGAGCAGCCACAGTGACGGGTGGCTGAAGACGACCATTTTCTTTT
GIFT_amh_5'UTR	29	-----
.....12850.....12860.....12870.....12880.....12890.....12900		
GIFT_amh_LG23	11749	CCTCAGCCTCCTCAGGAAATGC-AGCCATTCTGAGCCTTCTTGAC----CAGCTGTGT
GIFT_amhΔy_h1tg0001781	11330	CCTCAGCCTCCTCAGGAAATGC-AGCCGTTCTGAGCCTTCTTGAC----CAGCTGTGT
GIFT_amhy_h1tg0001781	11990	TTTAAACAGATGTTAATGTACAAAGACGCTGCATTGCATTATTGGCACCACAGGCATGT
GIFT_amh_5'UTR	29	-----
.....12910.....12920.....12930.....12940.....12950.....12960		
GIFT_amh_LG23	11803	GGT--GTTCAGTGTCCAGGTGATGTCCACAGAAATGTAGACGCCCAGGTATCTAAGCTG
GIFT_amhΔy_h1tg0001781	11384	GGT--GTTCAGTGTCCAGGTGATGTCCACAGAAATGTAGACGCCCAGGTATCTAAGCTG
GIFT_amhy_h1tg0001781	12050	TATTAATTTATCCTCAAAATAAGGCCAAATCAACATCCGCAGATGTTTTCCTCATTCCT
GIFT_amh_5'UTR	29	-----
.....12970.....12980.....12990.....13000.....13010.....13020		
GIFT_amh_LG23	11861	CTCACCTCTCCACTTCAAGGCCCGGATAAACCGCGGCTGGTGAGGCCTCCTCTTCTTC
GIFT_amhΔy_h1tg0001781	11442	CTCACCTCTCCACTTCAAGGCCCGGATAAACCGCGGCTGGTGAGGCCTCCTCTTCTTC

GIFT_amhy_h1tg0001781	12110	CTCATCCTTT-----GGGAGATTGTCTGATTATTG
GIFT_amh_5'UTR	29	-----
.....13030.....13040.....13050.....13060.....13070.....13080		
GIFT_amh_LG23	11921	TTCGTGTCCACTATCATCTCCTTGTCTTGTCTGAGGTTGAGGGTGAAGTTGTTGCCTCA
GIFT_amhΔy_h1tg0001781	11502	TTCGTGTCCACTATCATCT-----
GIFT_amhy_h1tg0001781	12141	CTAACATTAAATATC-----
GIFT_amh_5'UTR	29	-----
.....13090.....13100.....13110.....13120.....13130.....13140		
GIFT_amh_LG23	11981	CACCATGACACCAGACCGCCACCTCTCTCCTGTAAGCCGCTTCGTCCCCTCCAGTGATG
GIFT_amhΔy_h1tg0001781	11521	-----
GIFT_amhy_h1tg0001781	12156	-----
GIFT_amh_5'UTR	29	-----
.....13150.....13160.....13170.....13180.....13190.....13200		
GIFT_amh_LG23	12041	CGACGGATCACTGCAGTGCCATCTGAGAACTTCAAAATGATGTTATCTTTGTTGGAGGTG
GIFT_amhΔy_h1tg0001781	11521	-----
GIFT_amhy_h1tg0001781	12156	-----
GIFT_amh_5'UTR	29	-----
.....13210.....13220.....13230.....13240.....13250.....13260		
GIFT_amh_LG23	12101	ACACAGTCGTGAGCGTACAGGGTGTAGAGGATGGGACTGAGGACTTTTGACATTACATTA
GIFT_amhΔy_h1tg0001781	11521	-----
GIFT_amhy_h1tg0001781	12156	-----
GIFT_amh_5'UTR	29	-----
.....13270.....13280.....13290.....13300.....13310.....13320		
GIFT_amh_LG23	12161	TATATGGAAAACTGAGACGTAGAGTTGAGGTTGCACTTTCTTATATTAAGATTACATG
GIFT_amhΔy_h1tg0001781	11521	-----
GIFT_amhy_h1tg0001781	12156	-----
GIFT_amh_5'UTR	29	-----
.....13330.....13340.....13350.....13360.....13370.....13380		
GIFT_amh_LG23	12221	TAGTTAAGCTTCTTTACTCTGACAGAGCGGGCGTTTCACTGGTCAGGCACACTTAAGAC
GIFT_amhΔy_h1tg0001781	11521	-----
GIFT_amhy_h1tg0001781	12156	-----
GIFT_amh_5'UTR	29	-----
.....13390.....13400.....13410.....13420.....13430.....13440		
GIFT_amh_LG23	12281	CAAAGTGGGCTGAATGTGGCCCACGATCCACAATCAGTTGGACATCCCTGCTTCAGGCTA
GIFT_amhΔy_h1tg0001781	11521	-----
GIFT_amhy_h1tg0001781	12156	-----
GIFT_amh_5'UTR	29	-----
.....13450.....13460.....13470.....13480.....13490.....13500		
GIFT_amh_LG23	12341	ACCATCTCCTGCCCCCGGCTCCCTGTGTAAATGTACGATCACTAGTGACACTACTAAACA
GIFT_amhΔy_h1tg0001781	11521	-----
GIFT_amhy_h1tg0001781	12156	-----TGACATTAG
GIFT_amh_5'UTR	29	-----
.....13510.....13520.....13530.....13540.....13550.....13560		
GIFT_amh_LG23	12401	CTGTAAAAAGGCTTTTATTCTACTCTAAATAAAAGTCTGATCTGTTTATAAGACATAT
GIFT_amhΔy_h1tg0001781	11521	-----CTTTTATTCTACTCTAAATAAAAGTCTGATCTGTTTATAAGACATAT
GIFT_amhy_h1tg0001781	12165	CAGAAAAACAGAAACACTTAACCTTAAGGAATAGCTACAAAATATTTA---ATATTT
GIFT_amh_5'UTR	29	-----
.....13570.....13580.....13590.....13600.....13610.....13620		
GIFT_amh_LG23	12461	TATGAG-CATATTAAAGAGTAGCGGACCAAGGACAGATCCCTGAGGAAGTCCCTCCTGAC
GIFT_amhΔy_h1tg0001781	11570	TATGAG-CATATTAAAGAATAGCGGACCAAGGACAGATCCCTGAGGAA---CTCCTGAC
GIFT_amhy_h1tg0001781	12221	TTTGAGACAGAAGGAGTCAGAGCAAGCCAAA-----CAGACAATCTAATTATTAT
GIFT_amh_5'UTR	29	-----
.....13630.....13640.....13650.....13660.....13670.....13680		
GIFT_amh_LG23	12520	TCAATTTTGATTGATCAACTAAACATGAAACCTTCAGTACTTCACCAGT-----
GIFT_amhΔy_h1tg0001781	11625	TCAATTTTGATTGATCAACTAAACATGAAACCTTCAGTACTTCACCAGT-----
GIFT_amhy_h1tg0001781	12272	TTGGCTTTGAATTAAGCACCAACAACCTCA---TTGCAGTTTGTACAAAATGTAATATG
GIFT_amh_5'UTR	29	-----
.....13690.....13700.....13710.....13720.....13730.....13740		
GIFT_amh_LG23	12571	-----TAAACCAACTGAACCATGAAGTCTTTGAATGAAAAAGCCAAAATGTGCAAT
GIFT_amhΔy_h1tg0001781	11676	-----TAAACCAACTGAACCATGAAGTCTTTGAATGAAAAAGCCAAAGATGTGCAAT
GIFT_amhy_h1tg0001781	12328	AAAACACAGTAAATACAGTAAATCATGAACATGGCAGGGGTGCCAACTAACACAAGCAAG

GIFT_amh_5'UTR	29	-----
		13750.....13760.....13770.....13780.....13790.....13800
GIFT_amh_LG23	12622	GAATTCAAAGCCAGTGTGTTGCAAATGCAGTTTTTGAATCGTTATTTTCAGAGTCCAATTT
GIFT_amhΔy_h1tg0001781	11727	GAATTCAAAGCCAGTGTGTTGCAAATGCAGTTTTTGAATCGTTATTTTCAGAGTCCAATTT
GIFT_amhy_h1tg0001781	12388	G-----GCTTGTTACATCTTCTGCTATGTGAGCTTAATATCCAGTGCGAAGTT-
GIFT_amh_5'UTR	29	-----
		13810.....13820.....13830.....13840.....13850.....13860
GIFT_amh_LG23	12682	TAAAAAACTGAAAAAATTAACTATTACAGCTCATAAAAACAT-TACAGCAGCACCC----
GIFT_amhΔy_h1tg0001781	11787	TAAAAAACTGAGAAAAATTAACTATTACAGCTCATAAAAACAT-TACAGCAGCACCCAGAG
GIFT_amhy_h1tg0001781	12435	---AGACCAGAAAAAGTTCTCTCATTTTGTGTACGCAACCAAAATATACTGCAACAAATACAG
GIFT_amh_5'UTR	29	-----
		13870.....13880.....13890.....13900.....13910.....13920
GIFT_amh_LG23	12737	-----TAACTATTGCAAAACAGGAAATAATCTG
GIFT_amhΔy_h1tg0001781	11846	TCATTTTAGCATTCTCTAAATTATAAGAAAAGTAACTATTGCAAAACAGGAAATAATCTG
GIFT_amhy_h1tg0001781	12491	-----AATTTCAACCGGGGAGGAAATAACGCATGCACACAAAAGCAAAG
GIFT_amh_5'UTR	29	-----
		13930.....13940.....13950.....13960.....13970.....13980
GIFT_amh_LG23	12765	GTTTATAAGGACTG-----CAGTCTTTTAACTCTTTTATAT-----
GIFT_amhΔy_h1tg0001781	11906	GTTTATAAGGACTG-----CAGTCTTTTAACTCTTTTATAT-----
GIFT_amhy_h1tg0001781	12535	GTGCTTGACGTCAGCAGAGTTCAATGAACCTGGCTCTGTGTGTGTGTCTGAGTGTGTGT
GIFT_amh_5'UTR	29	-----
		13990.....14000.....14010.....14020.....14030.....14040
GIFT_amh_LG23	12802	-----TAATGTTTTTAAGTACAAAATATACTGCTATTTGTTTTATTGTTTAA
GIFT_amhΔy_h1tg0001781	11943	-----TAATGTTTTTAAGTACAAAATATACTGCAATTTCTTTATTGTTTAA
GIFT_amhy_h1tg0001781	12595	GACTCGTCAAGTGAAACTTTTGGCGGGGAAGTAGATCCTGGTTTATCCTG--TCGTTAA
GIFT_amh_5'UTR	29	-----
		14050.....14060.....14070.....14080.....14090.....14100
GIFT_amh_LG23	12851	TTTTCATTCAAGTTAATATCTTTTTCTAATTTTGAAGAAAGCTTTGTGG-----
GIFT_amhΔy_h1tg0001781	11992	TTTTCATTCAAGTTAATATCTTTTTCTAATTTTGAAGAAAGCTTTGTGG-----
GIFT_amhy_h1tg0001781	12653	TGATAATTC-----TTTTTTTTCTGATTTTGCTGAATCCCAAGTTGCTATAATTGGCA
GIFT_amh_5'UTR	29	-----
		14110.....14120.....14130.....14140.....14150.....14160
GIFT_amh_LG23	12899	-----AAAAGAACTGTTCCGGAGCAAAATATTTACAGTTCCAATCCG-----CT
GIFT_amhΔy_h1tg0001781	12040	-----AAAAGAACTGTTCCGGAGCAAAATATTTACAGTTCCAATCCG-----CT
GIFT_amhy_h1tg0001781	12707	CCAGAACAAGAAACTACATATGAACAGATTAGATAGCACCTTAATTCAAACACAATAT
GIFT_amh_5'UTR	29	-----
		14170.....14180.....14190.....14200.....14210.....14220
GIFT_amh_LG23	12945	TTAGTTTGTTTCATAACTGAAATGTCATTAAATTTATTTTCATCTATGTGAGATGAGAAAT
GIFT_amhΔy_h1tg0001781	12086	TTAGTTTGTTTCATAACTGAAATGTCATTAAATTTATTTTCATCTATGTGAGATGAGAAAT
GIFT_amhy_h1tg0001781	12767	TTAAGTTCACTCAGAGCTGGACAACAGCCAGACTGTAAACACTACTCCACACACAAACA
GIFT_amh_5'UTR	29	-----
		14230.....14240.....14250.....14260.....14270.....14280
GIFT_amh_LG23	13005	GAATCAGATTGTTTCATCAACTGT-----GTGGTCTGCCTGCAT-TT
GIFT_amhΔy_h1tg0001781	12146	GAATCAGATTGTTTCATCAACTGT-----GTGGTCTGCCTGCAT-TT
GIFT_amhy_h1tg0001781	12827	TGACACAG--TACCTATGAATCTCTGCTCAGGGTGACCATAGTGTGTTGTGTGTGTGT
GIFT_amh_5'UTR	29	-----
		14290.....14300.....14310.....14320.....14330.....14340
GIFT_amh_LG23	13045	TGGGTGAACCTACCATTAAGGTCATGGGAAGACAATGGGTTATCTTAATGAACCCACAC
GIFT_amhΔy_h1tg0001781	12186	TGGGTGAACCTACCATTAAGGTCATGGGAAGACAATGGGTTATCTTAATGAACCCACAC
GIFT_amhy_h1tg0001781	12885	TCTGT
GIFT_amh_5'UTR	29	-----
		14350.....14360.....14370.....14380.....14390.....14400
GIFT_amh_LG23	13105	TGGAGATCTGGAAGCATTACCGCTGGAAGACGAGCAGGAACATGTTGTGAGAGGGAGAC
GIFT_amhΔy_h1tg0001781	12246	TGGAGATCTGGAAGCATTACCGCTGGAAGACGAGCAGGAACATGTTGTGAGAGGGAGAC
GIFT_amhy_h1tg0001781	12945	AGATCCAGTACAGAAGCCGGTCTTGGAGGCGATTGGGTAGTGCAGAGTTTGAAGACCA
GIFT_amh_5'UTR	29	-----
		14410.....14420.....14430.....14440.....14450.....14460
GIFT_amh_LG23	13165	CTGAGTGGCTTCGAGGAGCTGTTACTCCCTCAGCATTCTCACAGCTGCAGGCTTGTGT
GIFT_amhΔy_h1tg0001781	12306	CTGAGCGGCTTCGAGGAGCTGTTACTCCCTCAGCATTCTCACAGCTGCAGGCTTGTGT
GIFT_amhy_h1tg0001781	13005	GTGAATGAGGAGAGTGCCTTGGTGCACACCTGGACATTGTCATAGTT---TATTTAATGT
GIFT_amh_5'UTR	29	-----

		14470.....14480.....14490.....14500.....14510.....14520
GIFT_amh_LG23	13225	GCAGACAGTC-----AAGGTCTCGGAGCCATTTGTGGACGTTTTCCCCCG
GIFT_amhΔy_h1tg0001781	12366	GCAGACAGTC-----AAGGTCTCGGAGCCATTTGTGGACGTTTTCCCCCG
GIFT_amhy_h1tg0001781	13062	TGAGGTAGTTTTTCATCAATTACCTGAAACATTCAAAGACAGACGAGGACATC-----
GIFT_amh_5'UTR	29	-----

		14530.....14540.....14550.....14560.....14570.....14580
GIFT_amh_LG23	13270	GTGATAAAGCCAAGGTTCAACCATACCTTATAAATC---ATCAGTGAGGAATGGCAGGAAA
GIFT_amhΔy_h1tg0001781	12411	GTGATAAAGCCAAGGTTCAACCATACCTTATAAATC---ATCAGTGAGGAATGGCAGGAAA
GIFT_amhy_h1tg0001781	13114	ATGAGTGATTCTAAGGCTTCCAGAAATAACACAGCAAAACACAGACAGCTGATTGAGGA
GIFT_amh_5'UTR	29	-----

		14590.....14600.....14610.....14620.....14630.....14640
GIFT_amh_LG23	13327	TGTTTCATTGTATCAAGGCGGTGTTTGAAG-----CACACCAGCCT
GIFT_amhΔy_h1tg0001781	12468	TGTTTCATTGTATCAAGGCGGTGTTTGAAG-----CACACCAGCCT
GIFT_amhy_h1tg0001781	13174	TCTAAACCCCTAACCAAGTTCAAATCAAAGTCTTTACTTTTAATCTAACACCTACTTCTCT
GIFT_amh_5'UTR	29	-----

		14650.....14660.....14670.....14680.....14690.....14700
GIFT_amh_LG23	13367	GGATGTTTTCAGTCACA-----CTGTGGGAACAGGAATTGCACTTT
GIFT_amhΔy_h1tg0001781	12508	GGATGTTTTCAGTCACA-----CTGTGGGAACAGGAATTGCACTTT
GIFT_amhy_h1tg0001781	13234	TACCTTGTTCAATCAGACAAACAGCTTGCAGAAGCAGATGGAAAACAGGCATCCTGTCTC
GIFT_amh_5'UTR	29	-----

		14710.....14720.....14730.....14740.....14750.....14760
GIFT_amh_LG23	13410	GATGAAAAAGTA-----ATCAACATCTACACTCCTGT-----TT
GIFT_amhΔy_h1tg0001781	12551	GATGAAAAAGTA-----ATCAACATCTACACTCCTGT-----TT
GIFT_amhy_h1tg0001781	13294	TCTCACTCCCTACCAGCCTCTCTCGCTCACCCTCTATCCACCCTCAGATTGTTCTCCGCC
GIFT_amh_5'UTR	29	-----

		14770.....14780.....14790.....14800.....14810.....14820
GIFT_amh_LG23	13444	CTCCCCATCATGTATTTCACCTCTCTACAGTAGCACAC---TTAAGTTTTCCAGGTTGGA
GIFT_amhΔy_h1tg0001781	12585	CTCCCCATCATGTATTTCACCTCTCTACAGTAGCACAC---TTAAGTTTTCCAGGTTGGA
GIFT_amhy_h1tg0001781	13354	CTTCCCCTCTCCTCTCCCCTTCCCCTCAGCCCCAAGCCTATCTAGGTCGGGAGCTGGGG
GIFT_amh_5'UTR	29	-----

		14830.....14840.....14850.....14860.....14870.....14880
GIFT_amh_LG23	13500	AAAAGGACAAAAACACAGAAGACATACATTTCTGGGAATCTCATCTGTCCATGTTGTAA
GIFT_amhΔy_h1tg0001781	12641	AAAAGGACAAAAACACAGAAGACATACATTTCTGGGAATCTCATCTGTCCATGTTGTAA
GIFT_amhy_h1tg0001781	13414	AGCTGGGAGGTGGTGTAGGTACCATGCATGCTCTGAGTCTCCACATGCTCCCA-----
GIFT_amh_5'UTR	29	-----

		14890.....14900.....14910.....14920.....14930.....14940
GIFT_amh_LG23	13560	GGTTGTATCCTCATTACC----CCGAAGCCAAAGGCGGTAAACCGGGAACGCCACAGGC
GIFT_amhΔy_h1tg0001781	12701	GGTTGTATCCTCATTACC----CCGAAGCCAAAGGCGGTAAACCGGGAACGCCACAGGC
GIFT_amhy_h1tg0001781	13468	---GCACCACCAGAACTGCTGGTGCGGTGGCGGAGGGGGCAGACGGGGGAG-----
GIFT_amh_5'UTR	29	-----

		14950.....14960.....14970.....14980.....14990.....15000
GIFT_amh_LG23	13615	CTGGCTTCAGGTGGAAAGCTTCAGTGCACGGACCTTTTGGGAGGCTTTCTCTGAGGCATC
GIFT_amhΔy_h1tg0001781	12756	CTGGCTTCAGGTGGAAAGCTTCAGTGCACGGGCTTTTGGGAGGCTTTCTCTGAGGCATC
GIFT_amhy_h1tg0001781	13516	-----TAGTGCACCTGCAAAATGGACGAGA-----GGAGGAGGC
GIFT_amh_5'UTR	29	-----

		15010.....15020.....15030.....15040.....15050.....15060
GIFT_amh_LG23	13675	ACAGGCATTTCGACACAGAATAAGGTAACACGTCCTGT-----GAAGTGAAGCAGCAGA
GIFT_amhΔy_h1tg0001781	12816	ACAGGCATTTCGACACAGAATAAGGTAACACGTCCTGT-----GAAGTGAAGCAGCAGA
GIFT_amhy_h1tg0001781	13548	ACAGGAGGCTGAGAGAGAGGAAGAGGAGGATGCAGCAGCAGAGACAGAAGCAGCAGA
GIFT_amh_5'UTR	29	-----

		15070.....15080.....15090.....15100.....15110.....15120
GIFT_amh_LG23	13727	AGCTGTTTGTTTTTACAGACCTCACTGGACCATTAAATCCTCAAGTTAGTGACTGAAGCAG
GIFT_amhΔy_h1tg0001781	12868	AGCTGTTTGTTTTTACAGACCTCACTGGACCATTAAATCCTCAAGTTAGTGACTGAAGCAG
GIFT_amhy_h1tg0001781	13608	GCTAGAGGATG----AGATGGAGAGGGATGATTGTGCTCTCTGCTGGTGAGAGAGGAG
GIFT_amh_5'UTR	29	-----

		15130.....15140.....15150.....15160.....15170.....15180
GIFT_amh_LG23	13787	CTCTCTTATGCAAGACTACATTATGTTTATTATAACGTTCTCCATTTCTTTTTAAAGCTG
GIFT_amhΔy_h1tg0001781	12928	CTCTCTTATGCAAGACTACAT--TGTTTATTATAACGTTCTCCATTTCTTTTTAAAGCTG
GIFT_amhy_h1tg0001781	13663	-----AGGGACAGACGCGAGGAGT-----GCAGG
GIFT_amh_5'UTR	29	-----

		15190.....15200.....15210.....15220.....15230.....15240
GIFT_amh_LG23	13847	ACATATTTTAAACAATGTCATTAATTGTGTTTAAATCATCCATCAATTTCATATC
GIFT_amhΔy_h1tg0001781	12986	ACATATTTTAAACAATGTCATTAATTGTGTTTAAATCATCCATCAATTTCATATC
GIFT_amhy_h1tg0001781	13687	GAGTCTGATCGAGAAGACGCTGGGGAGTCAGAGTGCCTGGATGTCGATGAGGAGGGACG
GIFT_amh_5'UTR	29	-----
		15250.....15260.....15270.....15280.....15290.....15300
GIFT_amh_LG23	13907	CATCTCTCTGATTCAGGCTTGCAGGAGGGCAGGACCACAGTGAACAGGCTGTACTCTTT
GIFT_amhΔy_h1tg0001781	13046	CATCTCTCTGATTCAGGCTTGCAGGAGGGCAGGACCACAGTGAACAGGCTGTACTCTTT
GIFT_amhy_h1tg0001781	13747	C-----TATGCAGGGGTGAGGAGGGGACAGGGAGAGCGTGGGAGGAGAGGGGCT--
GIFT_amh_5'UTR	29	-----
		15310.....15320.....15330.....15340.....15350.....15360
GIFT_amh_LG23	13967	CTCAGGGCTGACACACACACACACACACACACACACACACACACACATCACTAATGATGC
GIFT_amhΔy_h1tg0001781	13106	CTCAGGGCTG-----ACACACACACACACACACACACACATCACTAATGATGC
GIFT_amhy_h1tg0001781	13797	-----ATGCAGGACCGATGCGTGCGGCTGTGC
GIFT_amh_5'UTR	29	-----
		15370.....15380.....15390.....15400.....15410.....15420
GIFT_amh_LG23	14027	TGACTTCTCAAAACTCGAGTATCTTATACAGAGAAGCATTTTTTAATCAATTTATTTTA
GIFT_amhΔy_h1tg0001781	13154	TGACTTCTCAAAACTCGAGTATCTTATACAGAGACGCATTTTTTAATCAATTTATTTTA
GIFT_amhy_h1tg0001781	13825	TGGGCCTGGGATAACGAGAGGGGCATAGGCGAGGACAG-----
GIFT_amh_5'UTR	29	-----
		15430.....15440.....15450.....15460.....15470.....15480
GIFT_amh_LG23	14087	CATCGCAGGCCACATGCAGCCACTTTGAACCTTTGTGAACCGGACAGTGAAGCTTCCC
GIFT_amhΔy_h1tg0001781	13214	CATCGCAGGCCACATG-----AACTTTGAACCTTTGTGAACCGGACAGAGAAGCTTCCC
GIFT_amhy_h1tg0001781	13864	-GGCGCCAGGCGCGTG-----GAGGCTGGCTGGGGAGTGGTGTG
GIFT_amh_5'UTR	29	-----
		15490.....15500.....15510.....15520.....15530.....15540
GIFT_amh_LG23	14147	TTTCTGTCTCTCTGAAGAGGT-----TTACCTACACATTTGACCTCAGAG
GIFT_amhΔy_h1tg0001781	13269	TTTCTGTCTCTCTGAAGAGGT-----TTACCTACACATTTGACCTCAGAG
GIFT_amhy_h1tg0001781	13902	TTGCTGGGTTTGGGAGGAGGTAGAGGAAGAGGAGGAGAGACTTGAGCAGAGAGTTGAG
GIFT_amh_5'UTR	29	-----
		15550.....15560.....15570.....15580.....15590.....15600
GIFT_amh_LG23	14192	ACGTGTGGAACAGGAAGTGCAGTTTCAACCACATATCTGTTTTTCTACTCAATTAAGAA
GIFT_amhΔy_h1tg0001781	13314	ACGTGTGGAACAGGAAGTGCAGTTTCAACCACATATCTGTTTTTCTACTCAATTAAGAA
GIFT_amhy_h1tg0001781	13962	GCCTCCTGAGGTGGGAGCGTTGCCCAAAC-----TGATGGGAGG
GIFT_amh_5'UTR	29	-----
		15610.....15620.....15630.....15640.....15650.....15660
GIFT_amh_LG23	14252	GTGCTGCTGTAAATGAACGAAGAAATCTGTGAGCACAAC-----
GIFT_amhΔy_h1tg0001781	13374	GTGCTGCTGTAAATGAACGAAGAAATCTGTGAGCACAAC-----
GIFT_amhy_h1tg0001781	14003	ACACTGAGGGAACACGCTGGTGAAATATACCTGCAAATCATACAGCAGAAATGGAGGGAG
GIFT_amh_5'UTR	29	-----
		15670.....15680.....15690.....15700.....15710.....15720
GIFT_amh_LG23	14291	-----AGATACTGTGGACAGCTGTAAAAAACAA
GIFT_amhΔy_h1tg0001781	13413	-----AGATACTGTGGACAGCTGTAAAAAACAA
GIFT_amhy_h1tg0001781	14063	GAGGAGGAGGAGGAGGAGGGCGAGAGAGTGGAGAGAAGAGAGACAGTGGCAAAAGAGC
GIFT_amh_5'UTR	29	-----
		15730.....15740.....15750.....15760.....15770.....15780
GIFT_amh_LG23	14320	ACTGCTATAGTAGATTAAAAAAA-ATTTCTTTAAGGGTTTATATATTTGTTGGTTACTT
GIFT_amhΔy_h1tg0001781	13442	ACTGCTATAGTAGATTAAAAAAAATTTCTTTAAGGGTTTATATATTTGTTGGTTACTT
GIFT_amhy_h1tg0001781	14123	AGGGGTGGGGGACAGAGAGAGAAG-----CAAGGGCTGA
GIFT_amh_5'UTR	29	-----
		15790.....15800.....15810.....15820.....15830.....15840
GIFT_amh_LG23	14379	TGTCTTTTTCATTAGGAAAAACTATCAAACCTGTGG-AAGTTTCACATTTTGCCGTCGAGTG
GIFT_amhΔy_h1tg0001781	13502	TGTCTTTTTCATTAGGAAAAACTATCAAACCTGTGG-AAGTTTCACATTTTGCCGTCGAGTG
GIFT_amhy_h1tg0001781	14157	-GCCAGGTTGTGCAAGCGCCCAAGCAAGTCTGAGACAAGCACACAGAAAGCAAAACAGAGT
GIFT_amh_5'UTR	29	-----
		15850.....15860.....15870.....15880.....15890.....15900
GIFT_amh_LG23	14438	GGCCAGATTGGAGTCTTTGCCGGGCCGACTTGGCATTACAAGGTAATGCCGCCTACCTG
GIFT_amhΔy_h1tg0001781	13561	GGCCAGATTGGAGTCTTTGCCGGGCCGACTTGGCATTACAAGGTAATGCCGCCTACCTG
GIFT_amhy_h1tg0001781	14216	CAGTCCACTGGAATGTAACGAGGCCAATTCAGCGCAGCCAGTGTAAAGCT-----
GIFT_amh_5'UTR	29	-----
		15910.....15920.....15930.....15940.....15950.....15960

GIFT_amh_LG23	14498	TGAAGTCTACTAACTGAGGATTTAGGTA	GCGGGGCTCCAAACATGGTTCAGGTATGAAGA
GIFT_amhΔy_h1tg0001781	13621	TGAAGTCT----ACTGAGGATTTAGGTA	GCGGGGCTCCAAACATGGTTCAGGTATGAAGA
GIFT_amhy_h1tg0001781	14267	-----GCAGGAAGTGAATGACTCTGATGCACATAACA	
GIFT_amh_5'UTR	29	-----	
		15970.....15980.....15990.....16000.....16010.....16020	
GIFT_amh_LG23	14558	TATCAGCATGACACCCCTCTTCGTCACGGCAAACCAAATGGACTCAGACAAAGTTCACCTC	
GIFT_amhΔy_h1tg0001781	13677	TATCAGCATGACACCCCTCTTCGTCACGGCAAACCAAATGGACTCAGACAAAGTTCACCTC	
GIFT_amhy_h1tg0001781	14299	CACCCGGGGAACGACACGCAGCAGCGTGACCTGCATGAAATCAAAC--CGTCACTC	
GIFT_amh_5'UTR	29	-----	
		16030.....16040.....16050.....16060.....16070.....16080	
GIFT_amh_LG23	14618	CAAACGTAAACTCAAT-ATTATAAGAAACATTTTATTAATTATCATAAATCGCAGGGGAG	
GIFT_amhΔy_h1tg0001781	13737	CAAACGTAAACTCAAT-ATTATAAGAAACATTTTATTAATTATCATAAATCGCAGGGGAG	
GIFT_amhy_h1tg0001781	14356	GCGCTTGTGTATTAATGATTTCAAATGAAAGTTTTGTGAAAAAT-----	
GIFT_amh_5'UTR	29	-----	
		16090.....16100.....16110.....16120.....16130.....16140	
GIFT_amh_LG23	14677	AAAAAAAAACATTAATTCCATTTTTTCATTATAACATCTTAGGATAAAAGCACCAACATC	
GIFT_amhΔy_h1tg0001781	13796	AAAAAAAAACATTAATTCCATTTTTTCATTATAACATCTTAGGATAAAAGCACCAACATC	
GIFT_amhy_h1tg0001781	14399	-----GTCACATTTTCCGAGGTTGTCTCCACCTGCATT	
GIFT_amh_5'UTR	29	-----	
		16150.....16160.....16170.....16180.....16190.....16200	
GIFT_amh_LG23	14737	AAACAGTAACAATGTTTCCATGAAAACCGAGGGCGTTTTTGAAAGTAGGTTTGCATTATTA	
GIFT_amhΔy_h1tg0001781	13856	AAACAGTAACAATGTTTCCATGAAAACCGAGGGCGTTTTTGAAAGTAGGTTTGCATTATTA	
GIFT_amhy_h1tg0001781	14432	ACCTAAACAGCCAGTCCACGTCAAAGTATGGCAGCACAGCGAGTCACAGTTTGC-----	
GIFT_amh_5'UTR	29	-----	
		16210.....16220.....16230.....16240.....16250.....16260	
GIFT_amh_LG23	14797	TTGCACCTCAAACCTGCGCTGGCTTCACCAATCAGAGAGCACTATACACATCCTGTAGGT	
GIFT_amhΔy_h1tg0001781	13916	TTGCACCTCAAACCTGCGCTGGCTTCACCAATCAGAGAGCACTATACACATCCTGTAGGT	
GIFT_amhy_h1tg0001781	14487	----CTGCTCACCTGTCCTTGCTGCC-----	
GIFT_amh_5'UTR	29	-----	
		16270.....16280.....16290.....16300.....16310.....16320	
GIFT_amh_LG23	14857	CACGCGTGTCTTGAATGTTACCCCAATTCAAAGAGGGATTCAAACAAGACACCGAACCC	
GIFT_amhΔy_h1tg0001781	13976	CACGCGTGTCTTGAATGTTACCCCAATTCAAAGAGGGATTCAAACAAGACACCGAACCC	
GIFT_amhy_h1tg0001781	14510	-----TCGGGCAAAGCTCCAGAGGGATTCAAC---GTACAGGTTT	
GIFT_amh_5'UTR	29	-----	
		16330.....16340.....16350.....16360.....16370.....16380	
GIFT_amh_LG23	14917	TCCTCCTTAGAGACGCAAATCTAGACAGAGGCATTTGTGAGATGAGGAAGATGCTGAAA-	
GIFT_amhΔy_h1tg0001781	14036	TCCTCCTTAGAGACGCAAATCTAGACAGAGGCATTTGTGAGATGAGGAAGATGCTGAAA-	
GIFT_amhy_h1tg0001781	14549	CCTCCTTTAGAGCGCGCCCTCCAGACACAGTGCTTTCCTTCAGAGCGCCGGGCTCAAAG	
GIFT_amh_5'UTR	29	-----	
		16390.....16400.....16410.....16420.....16430.....16440	
GIFT_amh_LG23	14976	-----GTCGTTGCCATTTTCACAGCTTCTCGAGATCAGATCGCTCATAA	
GIFT_amhΔy_h1tg0001781	14095	-----GTCGTTGCCATTTTCACAGCTTCTCGAGATCAGATCGCTCATAA	
GIFT_amhy_h1tg0001781	14609	AGTAAGAAGCGCACTCTGCTATTGGCAGGGGAAGGCTCCTCAAGAACCAGCACCTGAGCA	
GIFT_amh_5'UTR	29	-----	
		16450.....16460.....16470.....16480.....16490.....16500	
GIFT_amh_LG23	15019	AGCTCGGACTGAT-----TGTCGGGGGTGGGGGTGTACGTCGGGCAGGACTG	
GIFT_amhΔy_h1tg0001781	14138	AGCTCGGACTGAT-----TGTCGGGGGTGGGGGTGTACGTCGGGCAGGACTG	
GIFT_amhy_h1tg0001781	14669	TCCTGGGAAAGTGAGTATTAGGTTATGTTAAAAATGAAACTGCACATACCAGCAAGGACA	
GIFT_amh_5'UTR	29	-----	
		16510.....16520.....16530.....16540.....16550.....16560	
GIFT_amh_LG23	15067	TGCTCTGAGGAGATCTGATGAGGGCAGCTGATACATTTTACCTTGAAATACACTGACTGAA	
GIFT_amhΔy_h1tg0001781	14186	TGCTCTGAGGAGATCTGATGAGGGCAGCTGATACATTTTACCTTGAAATACACTGACTGAA	
GIFT_amhy_h1tg0001781	14729	ATTCTG----TATTTCTTTTTAAGCTTTCATCACTTACAGAAATAGAACAGCTTAGCTGAA	
GIFT_amh_5'UTR	29	-----	
		16570.....16580.....16590.....16600.....16610.....16620	
GIFT_amh_LG23	15127	GGGTGGC-----CCTGGTCCTGAGTTGGGTGCTAGAGGG	
GIFT_amhΔy_h1tg0001781	14246	GGGTGGC-----CCTGGTCCTGAGTTGGGTGCTAGAGGG	
GIFT_amhy_h1tg0001781	14785	AGATTGCGATCCCGTTGGTCATTCCCTCGCCCACTGGGATCTCCAGGGGTGGGAGAGGG	
GIFT_amh_5'UTR	29	-----	
		16630.....16640.....16650.....16660.....16670.....16680	
GIFT_amh_LG23	15161	ACTTTGT-----CATGCCACCTGAAGGTAAATTAACTAACA--TGCAGCAGATTAG	

GIFT_amhΔy_h1tg0001781	14280	ACTTTGT-----CATGCCACCTGAAGGTAAATTAACGTAACA--TGCAGCAGATTAG
GIFT_amhy_h1tg0001781	14845	GCAATCAGGAGCACCA CAGAGGCCCGGACACGGGTTACTGCAACAGCGGGAGCACCTCAG
GIFT_amh_5'UTR	29	-----
.....16690.....16700.....16710.....16720.....16730.....16740		
GIFT_amh_LG23	15211	GAAACTTGTTCTTTCAAGCAGTGTGGGGAGTTCCCTGAGTTAAGACCTTTGGCAGGATTTC
GIFT_amhΔy_h1tg0001781	14330	GAAACTTGTTCTTTCAAGCAGTGTGGGGAGTTCCCTGAGTTAAGACCTTTGGCAGGATTTC
GIFT_amhy_h1tg0001781	14905	AGGACTGGAGATACTGGAAAGCGAAACAAACAAGTGGTTTATGTACACCACCACATTAC
GIFT_amh_5'UTR	29	-----
.....16750.....16760.....16770.....16780.....16790.....16800		
GIFT_amh_LG23	15271	GAGTAAACAGCCTTGACTGCAAA-----GCTCTGAAAGATTATCTACG
GIFT_amhΔy_h1tg0001781	14390	GAGTAAACAGCCTTGACTGCAAA-----GCTCTGAAAGATTATCTACG
GIFT_amhy_h1tg0001781	14965	TGATGCCTCACTAAACTGTTAACAATTTTATGTCAGCTGTCAGTCAAAATATTGACCACC
GIFT_amh_5'UTR	29	-----
.....16810.....16820.....16830.....16840.....16850.....16860		
GIFT_amh_LG23	15314	AATAAT--GTACCAGGATGCAGTATGATGCAGAACTGCACA-----
GIFT_amhΔy_h1tg0001781	14433	AATAAT--GTACCAGGATGCAGTATGATGCAGAACTGCACA-----
GIFT_amhy_h1tg0001781	15025	AACTATGAGAACTGTTTGTGTTTGTGCTCACAAGA CACATCGAGGCTACGGCTTCTGC
GIFT_amh_5'UTR	29	-----
.....16870.....16880.....16890.....16900.....16910.....16920		
GIFT_amh_LG23	15353	-----GCTTTAAAGCCAAATCACA---CCCGAGAAATACTTTTAAAA
GIFT_amhΔy_h1tg0001781	14472	-----GCTTTAAAGCCAAATCACA---CCCGAGAAATACTTTTAAAA
GIFT_amhy_h1tg0001781	15085	ACACTTCTGCTGCGGGCACTTTAAGCTTGTTCCACAGTTCTCACAGGAACCTGCCAGA-
GIFT_amh_5'UTR	29	-----
.....16930.....16940.....16950.....16960.....16970.....16980		
GIFT_amh_LG23	15392	ACTATAAAACTGCCTAAAATCTGTATGTAATGAATGGGATACCTCCACCTTCC-----
GIFT_amhΔy_h1tg0001781	14511	ACTATAAAACTGCCTAAAATCTGTATGTAATGAATGGAATACCTCCACCTTCC-----
GIFT_amhy_h1tg0001781	15144	----AGAACAGCCTATTTTTCCTCTAGCCGCTAGCCTACTTTAGCTCTTCACTCACC
GIFT_amh_5'UTR	29	-----
.....16990.....17000.....17010.....17020.....17030.....17040		
GIFT_amh_LG23	15446	---TCAAAGTGTCTGTACAGGCACGTACACCC-----CCGCCTCCGCCCGCCA
GIFT_amhΔy_h1tg0001781	14565	---TCAAAGTGTCTGTACAGGCACGTACACCC-----CCGCCTCCGCCCGCCG
GIFT_amhy_h1tg0001781	15199	GCGTCACTGCAGTTTAAGAGACTGGGACAAACAATACTGATCAGCCGTTCTAATTCAGCG
GIFT_amh_5'UTR	29	-----
.....17050.....17060.....17070.....17080.....17090.....17100		
GIFT_amh_LG23	15491	GTGTCCCTCCAGATTAAAGATTCAAAGGTTAGACTGGGCTGTGAGAAAAGCCACCAGGTG
GIFT_amhΔy_h1tg0001781	14610	GTGTCCCTCCAGATTAAAGATTCAAAGGTTAGACTGGGCTGTGAGAAAAGCCACCAGGTG
GIFT_amhy_h1tg0001781	15259	CTGTCACTGCACTCCTCAGATTTAG-----CTTGCTGTGACTGCATACATTTA--C
GIFT_amh_5'UTR	29	-----
.....17110.....17120.....17130.....17140.....17150.....17160		
GIFT_amh_LG23	15551	AGCTTGTGTGTAAGATTCTTAAACCATAAAACCCTGCAGCACAACAGGAGGAGTAGTA
GIFT_amhΔy_h1tg0001781	14670	AGCTTGTGTGTAAGATTCTTAAACCATAAAACCCTGCAGCACAACAGGAGGAGTAGTA
GIFT_amhy_h1tg0001781	15308	AGCTTTGAGCGAAGGCCTGTTCTACTGGGATTCTATTAGGAACAAAATAACAGCGCCGCA
GIFT_amh_5'UTR	29	-----
.....17170.....17180.....17190.....17200.....17210.....17220		
GIFT_amh_LG23	15611	TTCATCAATAGCTGCGATTTCCTTGTTTAAAGTGAAGGAGAGCACCGTGCTGTCTGACTA
GIFT_amhΔy_h1tg0001781	14730	TTCATCAATAGCTGCGATTTCCTTGTTTAAAGTGAAGGAGAGCACCGTGCTGTCTGACTA
GIFT_amhy_h1tg0001781	15368	AACACCATCACACAGGGATGCTCTTACGCAATGCCACCAATGCGCTACATCTTGA
GIFT_amh_5'UTR	29	-----
.....17230.....17240.....17250.....17260.....17270.....17280		
GIFT_amh_LG23	15671	GTAGTA-----TTAAAACTGACAG
GIFT_amhΔy_h1tg0001781	14790	GTAGTA-----TTAAAACTGACAG
GIFT_amhy_h1tg0001781	15428	GCAGAGGTGTGGAACCAAGTGTCAATTCGCAGTGTGAATATCCAACCTTATGATCTCAGAG
GIFT_amh_5'UTR	29	-----
.....17290.....17300.....17310.....17320.....17330.....17340		
GIFT_amh_LG23	15691	AAATCTGAAGACACAATCAAAAGCATAACATGTAAGTGAATC-GTATCAAACACCAAGA
GIFT_amhΔy_h1tg0001781	14810	AAATCTGAAGACACAATCAAAAGCATAACATGTAAGTGAATC-GTATCAAACACCAAGA
GIFT_amhy_h1tg0001781	15488	AGGATTGGGGATTTTAACCAA-----ATGCAGTTACTCCCTAAATCCGGTAATCAGA
GIFT_amh_5'UTR	29	-----
.....17350.....17360.....17370.....17380.....17390.....17400		
GIFT_amh_LG23	15750	ATAAGAAAATCAAAACCCATCGACAATAATTACAAAATACCT-----CTCAGTCTCTGG
GIFT_amhΔy_h1tg0001781	14869	ATAAGAAAATCAAAACCCATCGACAATAATTACAAAATACCT-----CTCAGTCTCTGG

GIFT_amhy_h1tg0001781	15540	TTAGGAA---AGGAAGCCACTTGCCATCCTTGAGAAACCCTTAACGCCTCCTTTCTGC
GIFT_amh_5'UTR	29	-----
.....17410.....17420.....17430.....17440.....17450.....17460		
GIFT_amh_LG23	15804	TAACAAATGGACTAGTCTAATTCTAAAATGACTTTTCTCTTCACTTGC-----A
GIFT_amhΔy_h1tg0001781	14923	TAACAAATGGACTAGTCTAATTCTAAAATGACTTTTCTCTTCACTTGC-----A
GIFT_amhy_h1tg0001781	15596	GATTTAAAGAGAACACAAAGTTCTCAGTCAGTTTCTGCCTTTAGCATTTCTTGAGACTGA
GIFT_amh_5'UTR	29	-----
.....17470.....17480.....17490.....17500.....17510.....17520		
GIFT_amh_LG23	15854	CACGAGTGCACGGGACAGGAGTTTATTTTCTATAAAGCTTTGATTATTACACTAATAT
GIFT_amhΔy_h1tg0001781	14973	CACGAGTGCACGGGACAGGAGTTTATTTTCTATAAAGCTTTGATTATTACACTAATAT
GIFT_amhy_h1tg0001781	15656	CATGTGAACAGTAGGCAG-----TGCTGCGCAATGACGCCCTGACGGTTCATCTTACTA-
GIFT_amh_5'UTR	29	-----
.....17530.....17540.....17550.....17560.....17570.....17580		
GIFT_amh_LG23	15914	TCCCTTAGATATGCGCTGGCAAGTGAAAAATTAATAAA--ACCAAACAATAACACACACG
GIFT_amhΔy_h1tg0001781	15033	TCCCTTAGATATGCGCTGGCAAGTGAAAAATTAATAAAACCAACAATAACACACACG
GIFT_amhy_h1tg0001781	15709	-----AAAACAGCTGCTGTGAATAGTGTGTTGTAGGAGACTCTGCTGTAAATGAACATCAT
GIFT_amh_5'UTR	29	-----
.....17590.....17600.....17610.....17620.....17630.....17640		
GIFT_amh_LG23	15972	TACAAACTGAGCTTTAGTGTAATCCCACTATCAGAGGAAAAAGGAAGCCTGTCTGATCT
GIFT_amhΔy_h1tg0001781	15093	TACAAACTGAGCTTTAGTGTAATCCCACTATCAGAGGAAAAAGGAAGCCTGTCTGATCT
GIFT_amhy_h1tg0001781	15764	TGTAAAGGACATCTGCAATAAATCTCATGCATCCATCTAGCAGAGAAATCATCTTTAATCC
GIFT_amh_5'UTR	29	-----
.....17650.....17660.....17670.....17680.....17690.....17700		
GIFT_amh_LG23	16032	CCTCAC
GIFT_amhΔy_h1tg0001781	15153	CCTCACACACACACACACACACACACAC-----TAAGACAAG
GIFT_amhy_h1tg0001781	15824	CATGTTCTAGCTGCACTGTTAGACACTTCAATGTAGTATGACAT-----TTGCAATGTG
GIFT_amh_5'UTR	29	-----
.....17710.....17720.....17730.....17740.....17750.....17760		
GIFT_amh_LG23	16092	TGTTTTCACATCAGCTCACGCGGCGAGGTACGGCCTCGTCAGTAAGACGTCTACAGGCGGT
GIFT_amhΔy_h1tg0001781	15189	TGTTTTCACATCAGCTCACGCGGCGAGGTACGGCCTCGTCAGTAAGACGTCTACAGGCGGT
GIFT_amhy_h1tg0001781	15879	GGTTTATTATTAGCTCACCTAACCGTTCTGGCTT--TCAACAAAGAAAAATTAGCAGG
GIFT_amh_5'UTR	29	-----
.....17770.....17780.....17790.....17800.....17810.....17820		
GIFT_amh_LG23	16152	GTGTGTAAGAGGCTGACGCGCAGTTCTGTATGCACCGGTGAAGATTTTGATTGTAAGGT
GIFT_amhΔy_h1tg0001781	15249	GTGTGTAAGAGGCTGACGCGCAGTTCTGTATGCACCGGTGAAGATTTTGATTGTAAGGT
GIFT_amhy_h1tg0001781	15937	TTAAAAA-----TGTAACACTCTTTAATGTGGGT
GIFT_amh_5'UTR	29	-----
.....17830.....17840.....17850.....17860.....17870.....17880		
GIFT_amh_LG23	16212	CTGAACTGCCCTCGCTTGGAACAGAAGCACCATTTTCTGCAGAATCTGGGTTGGTAA
GIFT_amhΔy_h1tg0001781	15309	CTGAACTGCCCTCGCTTGGAACAGAAGCACCATTTTCTGCAGAATCTGGGTTGGTAA
GIFT_amhy_h1tg0001781	15967	TAAATTTACACAAGTTTAAATAC-----ATTTGATTTTATCA
GIFT_amh_5'UTR	29	-----
.....17890.....17900.....17910.....17920.....17930.....17940		
GIFT_amh_LG23	16272	AAAAATTAAACACCAAAAACAACAAAAAAACCAACAATAAATCAAAGAAGTGAAATAC
GIFT_amhΔy_h1tg0001781	15369	AAAAATTAAACACCAAAAACAACAAAAAAACCAACAATAAATCAAAGAAGTGAAATAC
GIFT_amhy_h1tg0001781	16004	GGTGGTCAAAAATGAAAAGAAATGAAAAGAAAGGCCTAGCCTTCTCTTAAGGTAAACA--
GIFT_amh_5'UTR	29	-----
.....17950.....17960.....17970.....17980.....17990.....18000		
GIFT_amh_LG23	16332	CTGAAACAAGTGATAACAGTTCTAGTACTGGAATCTGGTGGCGTTTGAGCCGCCGCACCT
GIFT_amhΔy_h1tg0001781	15429	CTGAAACAAGTGATAACAGTTCTAGTACTGGAATCTGGTGGCGTTTGAGCCGCCGCACCT
GIFT_amhy_h1tg0001781	16061	-----GAGACTTTTACCTTGGGAAGGGGGAGGCTATTAGCTGCTATA---
GIFT_amh_5'UTR	29	-----
.....18010.....18020.....18030.....18040.....18050.....18060		
GIFT_amh_LG23	16392	TTGTGTAATAAACACACAGCCTCTGAGTTTGTGGCTGCGGGGGAT-----
GIFT_amhΔy_h1tg0001781	15489	TTGTGTAATAAACACACAGCCTCTGAGTTTGTGGCTGCGGGGGATGTGTGTGTGTGTGTG
GIFT_amhy_h1tg0001781	16104	-----ATAGATGATGTTATTTTT
GIFT_amh_5'UTR	29	-----
.....18070.....18080.....18090.....18100.....18110.....18120		
GIFT_amh_LG23	16437	-GTGTGTGTGTGTGTGTTTTCAGGTGCTGATGTGCAGCCATGTTAAGGTCTCTGTTGGC
GIFT_amhΔy_h1tg0001781	15549	TGTGTGTGTGTGTGTGTTTTCAGGTGCTGATGTGCAGCCATGTTAAGGTCTCTGTTGGC
GIFT_amhy_h1tg0001781	16121	AATGCATGCTTTATTATTGGAAGGTGTGATGTTAAACCAGCCTATCACACATGATAGC

GIFT_amh_5'UTR	29	-----
		18130.....18140.....18150.....18160.....18170.....18180
GIFT_amh_LG23	16496	AATGCTTTGCTCTGCTCAGCTTCAAGCCTCCTGTTACAGGGTGAATTTAAGGGTCACAAT
GIFT_amhΔy_h1tg0001781	15609	AATGCTTTGCTCTGCTCAGCTTCAAGCCTCCTGTTACAGGGTGAATTTAAGGGTCACAAT
GIFT_amhy_h1tg0001781	16181	TATGTGTCAGCATATTTA---TAAAGCATCTTTCAAGCTTTGGCTTAAAGA-----
GIFT_amh_5'UTR	29	-----
		18190.....18200.....18210.....18220.....18230.....18240
GIFT_amh_LG23	16556	GCCAGCACCAAAACACCCCTTTTCACATATATATGTATATATATTTATATACTTATATATA
GIFT_amhΔy_h1tg0001781	15669	GCCAGCACCAAAACACCCCTTTTCACATATATATGTATATATATTTATATACTTATATATA
GIFT_amhy_h1tg0001781	16231	-----GAAACACTATTATATAATGTACATATATAAATATCTAACCAT-----GACA
GIFT_amh_5'UTR	29	-----
		18250.....18260.....18270.....18280.....18290.....18300
GIFT_amh_LG23	16616	TTTATATAGACTGTATATAGTTACTTATTTTATATACCTTTCTGTTTATGATGGAGATGT
GIFT_amhΔy_h1tg0001781	15729	TTTATATAGACTGTATATAGTTACTTATTTTATATACCTTTCTGTTTATGATGGAGATGT
GIFT_amhy_h1tg0001781	16277	ATTACATAACAATTACATAGCCGAAACAGCTGAACACTCTTGAC-----T
GIFT_amh_5'UTR	29	-----
		18310.....18320.....18330.....18340.....18350.....18360
GIFT_amh_LG23	16676	ACAATTAAAGAAAACCTTATTTACAAAAACAGTGTCTCTTGTTCCACCAACAGCGGGCCGAT
GIFT_amhΔy_h1tg0001781	15789	ACAATTAAAGAAAACCTTATGTACAAAAACAGTGTCTCTTGTTCCACCAACAGCGGGCCGAT
GIFT_amhy_h1tg0001781	16323	GCCACTGCAAAGAGATTAGGGGTGCGAGCGCGT-----AACAAAGTTAGT
GIFT_amh_5'UTR	29	-----
		18370.....18380.....18390.....18400.....18410.....18420
GIFT_amh_LG23	16736	GTATGTTTAAACAATAACAGGGGCCCGGTGGCCGTCGCTCGGGCCCCGAGCCGGCTGC
GIFT_amhΔy_h1tg0001781	15849	GTATGTTTAAACAATAACAGGGGCCCGGTGGCCGTCGCTCGGGCCCCGAGCCGGCTGC
GIFT_amhy_h1tg0001781	16370	ATTAGTTAACAGTAATAACCTTGGC-----
GIFT_amh_5'UTR	29	-----
		18430.....18440.....18450.....18460.....18470.....18480
GIFT_amh_LG23	16796	ACGAGAGCACTTTCATCCAAAGGTGGCGTCTACAGTTGTACACGATGCATTCAAAGAACG
GIFT_amhΔy_h1tg0001781	15909	ACGAGAGCACTTTCATCCAAAGGTGGCGTCTACAGTTGTACACGATGCATTCAAAGAACG
GIFT_amhy_h1tg0001781	16395	-----TATCACAGTTAGTGTATACTTCTTTGGGTGATGGATGCCGAACTTT
GIFT_amh_5'UTR	29	-----
		18490.....18500.....18510.....18520.....18530.....18540
GIFT_amh_LG23	16856	AGACAATAGCATATTAAATATGAGAAAGGAAATGCCAAAAACGGCTTTACAAATGTCCC
GIFT_amhΔy_h1tg0001781	15969	AGACAATAGCATATTAAATATGAGAAAGGAAATGCCAAAAACGGCTTTACAAATGTCCC
GIFT_amhy_h1tg0001781	16442	TCACAGCTATCTTGA-----GAGTAACAAGTCAATTATCTATT
GIFT_amh_5'UTR	29	-----
		18550.....18560.....18570.....18580.....18590.....18600
GIFT_amh_LG23	16916	TGTGTACAGCACCAGTACTTGACTTGTGTTTGTGATGTTTTCATTACAGAATAAATAAGA-
GIFT_amhΔy_h1tg0001781	16029	TGTGTACAGCACCAGTACTTGACTTGTGTTTGTGATGTTTTCATTACAGAATAAATAAGA-
GIFT_amhy_h1tg0001781	16482	TTTGG-----TACTGCAAGATGTGTGCTTAATAATTTTATAATATAGCAATAATAAT
GIFT_amh_5'UTR	29	-----
		18610.....18620.....18630.....18640.....18650.....18660
GIFT_amh_LG23	16975	--TCAGGCATAGTCCAAACTTAGCACCATTGTTTTCAGACTGT-----GAGTCAAGTAC
GIFT_amhΔy_h1tg0001781	16088	--TCAGGCATAGTCCAAACTTAGCACCATTGTTTTCAGACTGT-----GAGTCAAGTAC
GIFT_amhy_h1tg0001781	16534	TTTCATAAATGTTCAAAGAGCGCAGAAATGTCTACAGCCGGTTTCTCCAAGTCTAGGAA
GIFT_amh_5'UTR	29	-----
		18670.....18680.....18690.....18700.....18710.....18720
GIFT_amh_LG23	17027	ACACACACTAATGCATTCTACAATGTCAACACAATTCAGGATTTAAAAAAAAAAAAAAAAAA
GIFT_amhΔy_h1tg0001781	16140	ACACACACTAATGCATTCTACAATGTCAACACAATTCAGGATTTAAAAAAAAAAAAAAAAAA
GIFT_amhy_h1tg0001781	16594	ATGCACACTAACTGCTCAAGCTGGACAAACAGCTCTACAGCTCAGAGGACCAAAATAA
GIFT_amh_5'UTR	29	-----
		18730.....18740.....18750.....18760.....18770.....18780
GIFT_amh_LG23	17087	AAA-----
GIFT_amhΔy_h1tg0001781	16200	AAAAAAAAAAGGCAATGGAAAGACCGACAGCATAAATATAATCATCTAAATTATCCACA
GIFT_amhy_h1tg0001781	16654	ACTGGACTTTG-----GATCGTCTCTTTAAATATCACATGCTCAAATATT----
GIFT_amh_5'UTR	29	-----
		18790.....18800.....18810.....18820.....18830.....18840
GIFT_amh_LG23	17090	-----
GIFT_amhΔy_h1tg0001781	16260	ACTATACAGTCAGAGAATGAATCACATTACAGTACAAACATTGTTTACAAAAACAAATT
GIFT_amhy_h1tg0001781	16699	-----ATGATATATG
GIFT_amh_5'UTR	29	-----

		18850.....18860.....18870.....18880.....18890.....18900
GIFT_amh_LG23	17090	-----
GIFT_amhΔy_h1tg0001781	16320	ACACCGTTTTTTTAAAAAGCAAACAAAGAGGTGTGAAACAAGTCCAGTAGTTTGTGTGGT
GIFT_amhy_h1tg0001781	16709	AGAATTTTTATTATGCAACACTATAGGATTTCCACAGTATTTAGGGCTGGTTGATATGGA
GIFT_amh_5'UTR	29	-----
		18910.....18920.....18930.....18940.....18950.....18960
GIFT_amh_LG23	17090	-----
GIFT_amhΔy_h1tg0001781	16380	TATGGTCAACTATGTTTTCCAGTGTGTGAGGATTTGCATGCATGACTGTGTGTGTGTAT
GIFT_amhy_h1tg0001781	16769	ATCACACGTGTCTTGTGTCCCATTTGTCTG-----
GIFT_amh_5'UTR	29	-----
		18970.....18980.....18990.....19000.....19010.....19020
GIFT_amh_LG23	17090	-----
GIFT_amhΔy_h1tg0001781	16440	GTGTGTTTTAACTAAACGCAGTAAATTTTCACATATCAGTCCACTTTCATTTAAACCTGC
GIFT_amhy_h1tg0001781	16798	-----CCTCCAGGTTCCATATGGGACGGC
GIFT_amh_5'UTR	29	-----
		19030.....19040.....19050.....19060.....19070.....19080
GIFT_amh_LG23	17090	-----
GIFT_amhΔy_h1tg0001781	16500	ATTTCCCTAACAGCACGGATAAATATGAATGCATGGATCTCTGCTGTTATGCTTAGCTTAC
GIFT_amhy_h1tg0001781	16823	TTCAACCCGGTGGTGGGGATCTGAAGAAGT-----CGGAGCGATAAG
GIFT_amh_5'UTR	29	-----
		19090.....19100.....19110.....19120.....19130.....19140
GIFT_amh_LG23	17090	-----
GIFT_amhΔy_h1tg0001781	16560	AAAGAGGAATATTTCTGCTGCCGTTTGTGTGACTTCACAAACCGACGGGAAAGAACGGT
GIFT_amhy_h1tg0001781	16864	AAGGAGGAAGAAGCCAGCTGCTAATAAAGCAATCCTGAAACCCAAAATCAAAGCATAAAA
GIFT_amh_5'UTR	29	-----
		19150.....19160.....19170.....19180.....19190.....19200
GIFT_amh_LG23	17090	-----
GIFT_amhΔy_h1tg0001781	16620	TAATAAATACACGCAAACTCACTGAACTCTGTTGTTCTTGGACATGTGGATTACAGCTGTT
GIFT_amhy_h1tg0001781	16924	CATATACTGTAGCTTATGTAGCTGAATGGCTACGAACACAGAACTTTAAGTACACTTTGC
GIFT_amh_5'UTR	29	-----
		19210.....19220.....19230.....19240.....19250.....19260
GIFT_amh_LG23	17090	-----
GIFT_amhΔy_h1tg0001781	16680	CGCTGAACCTTAACAGAGCAGCCACAGTGACGGGTGGCTGAAGAGCACCATTTCATTTTT
GIFT_amhy_h1tg0001781	16984	ATTTAATTATTACAAGTTTG-----AGAAGGCTATATTTTCATCCTT
GIFT_amh_5'UTR	29	-----
		19270.....19280.....19290.....19300.....19310.....19320
GIFT_amh_LG23	17090	-----
GIFT_amhΔy_h1tg0001781	16740	TTTAAACAGATGTTAATGTACAAGACGCTGCATTGCATTATTGGCACCCACAGGCATGT
GIFT_amhy_h1tg0001781	17025	TTAA-----CAGTTTAACTTTAACACTCAGAAACATTA
GIFT_amh_5'UTR	29	-----
		19330.....19340.....19350..
GIFT_amh_LG23	17090	-----
GIFT_amhΔy_h1tg0001781	16800	TATTAATTTAACTTATCATCAAAATAAAGC--
GIFT_amhy_h1tg0001781	17058	TTCCAATTAGAAATATTTTCAAAATGACAAAA
GIFT_amh_5'UTR	29	-----

