Supplementary Table S2: Details of KASP Markers used in present study.

SNP_ID	LG	P (cM)	Alle	Allel	Dataset	Sequence
BARC-059889-16199	1	7.349	T	C	GCP/IBP	ctaatttgtaRtacatggaagggaTCTAGTMCTCGAATTTATAAGCATCGTACAAGAATG[T/C]TGAGATAAGAAATATATGAAATGGAATAACAAAAAGTATAGACATGAAATAAGAGAATGC
BARC-016475-02622	1	18.589	T	G	GCP/IBP	GAAGCTTGCTCAACTCTTCGTCGTTCCTCACCGCCAATTGGATGTGGCGTGGAACAATTC[T/G]AGTCTTCTTGTTATCTCTCGCAGCGTTTCCAGCCAATTCCAAAACCTAAAACAATGTTCC
BARC-060833-16926	1	37.143	A	G	GCP/IBP	GTGCGCCCTCTCCGAACAYCTTCCCTCTTCTCCATGGCAGTGAATGAAGAACACTGTAGG[A/G]TAAGAGATCTCGATGGCGAGAAAGGGAAAAGGTTTGCGGTGATTCGGTGAACTGTAGCAT
BARC-059281-15709	1	40.869	A	G	GCP/IBP	CTTTCTATAAARAAAATGGATGGTGATTGAGATTGATTACCACGAGATAAATAATGCAYG[A/G]CGCTAGCACAGTGATGGAACGACCTAACTAAGCATCAGCCAA
BARC-065083-19095	1	45.576	A	G	GCP/IBP	GGAAAGAACATGTTGAAKTATAAGGATCCTTTCTATGAATGTTAGAGGTCTGGGCAATCA[A/G]GTAAAGTGTAGAGCAATTAGAGACTCGATTGCCAAAGAGAGGGTACAACTACTATGCTTA
BARC-024909-10358	1	54.864	A	C	GCP/IBP	AAATAATCCTCGCACTAGAGACATTACTATACAATTACTATTAAAACTAGTTTTTCATGA[A/C]AAATGCAAAAAATGCTTAAGTGGTGTAGAAAATTGTCAACCTGACATctggaTGT
BARC-013211-00449	1	77.066	A	G	GCP/IBP	TTTCTGGGACTTTGGATTGTCGATAAGTTGAACACACACGTATACATGTATTTAGTG[A/G]GATCAAAGTAAACTTAAATGATCATACTTATCCTGTTGGATCTGAAACAGATTGAAAAGC
BARC-018211-03157	1	97.287	T	C	GCP/IBP	AGACCAAGACTCCTCACTCAATTTAACAAATCATTGCACTCTTTAAAAATGCAAAACAAT[T/C]GATACAATTATCCAATAACAAAACACAAGGCTTYCATACCTCATTAGTCATGAAATAACT
BARC-029431-06192	2	19.781	A	G	GCP/IBP	TTGACTGCAAAATCTTTGACAAGGGTTGGATCAGAAATATCATGGCTAACCTTTTCGTAC[A/G]CAGCACTCCACTTCACCTCGCATCCATCGCCAATTGGAGTCACTGAAATGTCTCCCTTGA
BARC-020481-04638	2	25.115	A	T	GCP/IBP	GTGTGTGGATATAAATATTTTACACTCTTCTCAGACGCTAGATTCTGTATTTGGATGAAA[A/T]TTTCTTACTGAGGATTCTCTTAATATAATGTAAAATGTTACTCTCTAGAATTTATAGAAG

BARC-051039-10958	2	32.397	A	G	GCP/IBP	TCATTGCAAATTTCTGTCCACAAGGCTTGTTGCTTAGGTGGTGGTGAGGGTGATTGGGTT[A/G]TTCAGATTCAGGTCATTAATGTTTGGGTTATGCACTTAAATCACTTTTTAAAGAAATAGA
BARC-063497-18380	2	44.461	A	G	GCP/IBP	ATCATAAGGATCCTGTTGGTGTTCATGATAAGGAAGCTATGATGATTGATAGTGGACCGG[A/G]TAATCCTCAATAGGCCTTGGCCTCAATGATAAAGCTTGATGATGCAAGGGATGAGGTGGT
BARC-048815-10726	2	66.176	T	C	GCP/IBP	TTATGATTTTTGATATTTTTGTGTTCATGTAATGGTGTATAACTGTTGTACATGTGGGGG[T/C]TATATGGTTATTGCTTCTACCAATGATG
BARC-042403-08252	2	81.581	T	C	GCP/IBP	GTATTGGGCAATCACCAAAAAAGTTTGGTGTGCATACCCAAAGATTTTAAGTCCTTACAG[T/C]AATCTCATCAACGAGGATGAGGATGCACAAACTACTTGAAATTTGTGCAGAATGAGATGT
BARC-030195-06829	2	85.835	A	C	GCP/IBP	ATGTTTATGCTGTTGGTAATCCCTTGAGATCCAATGCCACTGTCCTTTATACCCTGTCAG[A/C]ACAGTATTTGTTAATAATAGATTGGTGATATAGAAAAAAAATGTTTTTTTTTAGTTCGAA
BARC-041581-08046	2	101.181	C	G	GCP/IBP	ACACGGAAAATTATCATATCTATAAAG[C/G]GTAAGAAGGGAAGACAGAAAATTAAAACAGAGAAAagGAGCATAGGCGCGATTTCAAACC
BARC-046084-10230	2	105.034	C	G	GCP/IBP	TTTTCTAGGGGAAAGATAAAGTGTCTCCTCTAATCTAATGGGTCATGAATTAATCTTGCA[C/G]TGTGTGGTGAACCCAACAAAATTTTACGcataattttttttattaaataaattattccaat
BARC-016037-02043	2	119.19	A	G	GCP/IBP	CGTTTGGCTTTGCATTGCTGTCTGTSTASATCTTTAATTATTTGGAGAGAGGAAAGAAGA[A/G]TTCTACTCCACATGTTCCCTGTCCCCTTCTGGATCCTTCCTTTCTTTCCTGTATACTTTT
BARC-052165-11373	3	12.532	A	T	GCP/IBP	TTCAAAATTTTCCCCGAAATATCAGCATGAACTTGTGTTGTTTATTCTCTCTAAAAAAAA[A/T]TTGTGTTGTTTACATCTTACTCTGGCAAGTGAGTGGCAACATATAYACATGAAGAGGTTG
BARC-048383-10556	3	32.618	T	G	GCP/IBP	TTGCCAGTTAGCAGGGCCCTCAGGGAACCACAATGCAATTTCCTTGTTAGCACTTTCAAC[T/G]GCATCACTTCCATGGATAACATTCCTACACAAAGACAAGTTCATAAAACAAAATTCAAAG
BARC-063255-18278	3	37.468	A	C	GCP/IBP	GATCCATTGAAATCCAAAACTGGAGGAGCCAATGCTCATGAAGAGAAGCAGTAATTCCAG[A/C]TGGTTCTTTGAAGGTAACATTTTGATGTTGGTTTTGATCTTTATGTACACATAAAATTAC

BARC-050433-09624	3	44.989	T	C	GCP/IBP	AATTAGAAATCATAAGTTAGAACTATATTCAGTTAGGGAAGGGGGTAAACAGTTTACAAA[T/C]AGCAGAAAATGTTATCCAAAAATACTGTGTACTTCACTACTTTATATGGTCATACTTAGT
BARC-010179-00543	3	49.693	A	T	GCP/IBP	GAATAAAGGTCCAARGTGAATTACTCTATTTAGCTTCATGAAACATGTCAGATGACAACA[A/T]TTCAAGTAATGTGATCAGAAAATGAAAAAGTGTATATAGCTTGATGATAATCTGTGTAAT
BARC-023365-05350	3	60.667	A	G	GCP/IBP	AAAGTTGAAGGATTAACTATATACCATGTTAAAAGCCACCTACAGGTATAAACAATTTGC[A/G]TTGTCTTCTTAGGTTTGTTTCCTTGCGTGCTTTTGATGAAATATGCTGCTCCATGAAATG
BARC-047693-10381	3	67.505	A	T	GCP/IBP	CAACACTTTCAACACATGGAAAGAGCAACATCAGCATGATGAGAACAAACCCGGTGTGAT[A/T]GGGTCCATGTTTAGAGCCGCCAAGGAAGCCGTGGTTGGGAAGCCTCACCACGAGGAAGTT
BARC-028539-05944	3	74.162	T	G	GCP/IBP	CAAGCATTTCATGCAATGCATGCATTAACAAAATTTTCTTTGAAAGGTTGTTTTTTGCTC[T/G]GGTATTGAAAATTTTCCATTGTCAGGCATGTTGATCTTGTTAAACTAAATAAGCTATGGG
BARC-044603-08734	3	85.822	A	T	GCP/IBP	ACACTAATTATGGTAAAAAGGAAAAAAAAATAATCTCATGGATAGGGATTACGATTTTCT[A/T]CAATTAATTATTTGAACACGGAAGTCTGAAGCTGTGTTCTGGCTAAATAATTGTGGTTAG
BARC-028321-05831	4	4.856	T	C	GCP/IBP	ATCCACGCCATTGTTGTTGAACACCGCACGGTCCAATGCAAGCGTGCAAGCTTCTTGCCC[T/C]AAGCATTCTCGCTCCACGATTTGCTTGCTGGCAGCAGCATTGCAGCTTCCCATTGCAAAG
BARC-057913-15004	4	10.044	T	G	GCP/IBP	ATATAATCTTATAGGCTCTTAGCGAGGTATTACACTTTGGATAATTTGTAAAATATTAAT[T/G]GATGACATCATCGAAGAAGAAAAATTGTTTGTATGAATTTGTTTAAATTGTATTTTAATT
BARC-022353-04316	4	16.715	A	T	GCP/IBP	TAACGTGGCAGGATCAGTTACTGAAGAAGACGCGGTTTCCGCAAGGTGGTTAGAGGGAGC[A/T]ACCGTCACGCTCACGCTTCTTGCAAGAATAATGGGTAAACCCGAATCGCTCAAATCGGAT
BARC-031733-07217	4	19.496	A	C	GCP/IBP	TTTAGCAGATGCAGTAATAGAAGCTCTCCCATCAGCAACAGCAATATATGCACCGACCAG[A/C]ACCTCTGAAGATGTTGATCATGACCCAGTTAGATATTTTATCAAGATGTTCTTTGGTTCA
BARC-044691-08761	4	32.272	T	C	GCP/IBP	CATAGAGGTTATACGGAACCTTGCAATCCTAAAGTAACTGATATCATGGGATTTAGTTTC[T/C]CCATGGACAGCAAGGTCCGTCAATATCCTGCCAATAACCGGAGCCATCTTGAAGCCGTGA

BARC-030073-06798	4	44.632	A	G	GCP/IBP	CACACTACTCCAGCCATTCCCTGAATCACCAAAAAGATATTCAGAGAAGTCATCTGTGCT[A/G]GTTGAATCACGGGTGCTATCTGTACTACAAGAACCTTCATCGGAGTTGCTGCTGATAAG
BARC-053219-11764	4	48.874	T	C	GCP/IBP	ACTCCAATGTTTGAAATCTCTTCGTCTACATGATCATAGTCAACATTAACATTACCATTG[T/C]ATGTATCTCGTTCGTCTTCAATAATCATGTTATACAATATAATGCATGCCAATATAATAT
BARC-016757-03361	4	51.445	A	G	GCP/IBP	TTCATCTGTCTAAAATGTTGTTTTTGACAAGCAAAGTAGGTGACACTCTTGTAAGCATCA[A/G]CAATTAACACTTCTGGGGAAAACTGTGAAACAGATGATTGGTTATGCTAATAATTAAAAA
BARC-044523-08716	4	63.901	A	C	GCP/IBP	GTTCTTCTACAACCGTGAAGATGGATTATTGACTATTACACTTGCTGGTGAAGGCAACTC[A/C]AAGGACATAGAATTTGTATACTGAGGTGAAGTCAAAGTGAGTCTATTCCGATTCTTCTTC
BARC-042189-08197	4	68.847	T	C	GCP/IBP	AACACAAGTAATGCCCACTTTAGTCCATGAAATTTAAGTTTAGTCTCTAGTTTTACCAAA[T/C]TCTCCCTTGAGTCCCTATTTTAGATTTTTATAACACTAAGAATTGAGATTCAAGAGAGAR
BARC-013699-01240	4	97.433	T	C	GCP/IBP	TAGCTTGGCCACAAAGGGTGTGGTTCACATCGATGTGATCATGTTGGCTCACAATCCAGG[T/C]GGGAAAGAGAGAACAGAGAAAGAGTTTGAGGCTCTGGCCAAAGGCTCTGGATTCCAAGGT
BARC-061009-17004	4	104.605	C	G	GCP/IBP	AAGGTATATTCCCATGTTTATACTATTTTATTCTCATGCTAAAGTCAGAAAGTTACGTTC[C/G]GATGAAAAAGTGGAAATTTATTTTCTAACCCCACCAACTTCCATTTTTTTTATCTTAAAC
BARC-048987-10780	5	0	A	G	GCP/IBP	AATCAATCTTGAAACCGAGTGCTGCTCCATGTATTCGGACATATCAATTCTCACCAACTG[A/G]TTTTCATTATCAAATAGTTGCTCAGCAAGAGCCTTTGCAAGCTCAGTTTTACCAACACCA
BARC-019415-03923	5	17.645	A	T	GCP/IBP	TCATCTTTAATAACATTAAAAAGCAAGATGAACTTCTTGAAATGACATACTAAATTTACA[A/T]GTTTTTTAAAGTTTAAGGAACAAATTCAGTGATACAAAAACAGAGGGACcaaatttataa
BARC-040459-07745	5	36.095	T	C	GCP/IBP	GTTCTCTTGTGACATCAACAAAGCCATTCCAGAAGCAGCCATTTTTGGAAGCTCCAACCA[T/C]AGAATGATCACAGGTATAAAGACGTCTTTCCAGAAACTACAAACTATTTGCTTGATAAGA
BARC-042853-08438	5	49.474	A	C	GCP/IBP	GtGTTGAAACGGAACCGAAATTGATCGTATTTCACTG[A/C]GTGGAAGGAGCGAAATTGAGAAGCTGCTTGGAACGAAGCCACGGCTTCACCACCACAACG

BARC-059081-15595	5	55.158	T	C	GCP/IBP	TTGATCTCCATAAAATATATTATTGGATGTTGGAACAATTTTTATTGGTCGGATTTAAAC[T/C]TAAAGATTGTTGGTGCAAATTGGTGATGATGGTTCTACAACAATGAAGAAATACCAAAGA
BARC-047849-10410	5	65.734	A	T	GCP/IBP	CACACACAGAGTATAACTGTYAATAATCAGTAACTGTACTCAAACCACTCCAAGGCCTAT[A/T]TCTTCCAATTTTGAAACATAAACCAACTACAATCAGATAGTCAAACCTATACGACACCAG
BARC-041257-07953	5	78.846	T	C	GCP/IBP	TTCATAAGCGAATCAATTTGCCAGTTTCAAGTAAGAAAATTATACTAGTCCCCTTGATTT[T/C]TCCACCCGTAAAACTATCAGTATGGATGCGGCATTGAATATTTGATTATTTCAGATAATA
BARC-015973-02029	6	6.108	A	C	GCP/IBP	TTTTTTTGTCATAAACATGACCAGGTAAGCATGCTCTAATATCACTTCTTCCAACAGTTC[A/C]GCAACCTTGTTTCTGTATTTAGGAAATAATTCATCAATTATTCCTTCTCCAAACCGTGCC
BARC-064413-18929	6	23.207	A	G	GCP/IBP	aaatatttttatgatattttgaattttaatGGATTAATATCATAAGAATGTAAAGAAATT[A/G]AAAAGTTTTTATAGGCACATGGTGTGTGT
BARC-059985-16274	6	34.398	A	T	GCP/IBP	GACAATAAATTTAAAGCATATATCACTTTCTTGCAAATTCTTCTTTTAAAATTACGTTTT[A/T]AAGATCGAATTTATCTAAAATTCTATTTGTAGATCTTAATCTAACCCTATCTTGTCTAAT
BARC-040587-07787	6	65.67	A	T	GCP/IBP	ATCTTTCCACTGATGTTTATAAATTTTTCAACCCTATTAAGATCCTAGGGTTATATCTAA[A/T]GTAATTCCTCAATGCTGTAGATCTTTCAAAGCTTYAAACAACTATTACATAGTGATAGAT
BARC-024429-04882	6	70.92	T	G	GCP/IBP	ACAACTTTTGTGGATTTCACATCAAATATTTAATGATTCTCTATTCTAATTTTGTATTTT[T/G]CAATAAACTTTAATCAATTACAGAAAATGTATTTGTAGCACTGCTAACATTGCATGTTAT
BARC-044133-08626	6	93.678	T	C	GCP/IBP	AACTGAAACGGATCGGACCAAGATGCTTGATTCCCCAGGAGGAGTTGTTGGATCTTGCAG[T/C]AAAACCAACAAAGACCCTTTTCACTCCAACCAAAAAAGCAACTAGGGTTCACTCATAAGC
BARC-066175-19800	6	100.913	A	G	GCP/IBP	AAAGTCAAATGTGTCCCTCCAAAAGTATAGATTAAAGTAAGATATTAAGTTGAAATTGTA[A/G]ACAAACAAATATTAGGTTGAAATTTTACTACCAAGTATAATTTAAAATGAAGCCTTACAA
BARC-040475-07751	6	103.193	T	C	GCP/IBP	TGTCCAAGGCCATGACCCCAGAAATCAAGAAGCATGCATGTGACAAGAAAGACGGTGTTT[T/C]GTATCATTATGATCCCACAGCTTGCGCCGAAGGAGATGATTATAACGGGAATATAAATTA

BARC-059303-15722	6	106.362	A	G	GCP/IBP	TTCTTTTTAGTATTATATGTTGGGTGATTACTGTGAATACTGGTTAAATCTGCCATAATA[A/G]AACGAAACAGTTATCTAATTTCCAATGAGAGATATTTTAATGAGAATGTGACACTATCTA
BARC-038885-07387	6	114.129	A	C	GCP/IBP	CAAATCTTTCTCACAACCTACAAGTTATCTTCTTTGAATAGTAACACTTTTGGGGAGCCG[A/C]CACAAAAGCCTAAGCTGAAGCTGAAGAAGGTTGCTGTTAAGGTTAAGAAGATTGTGGCCT
BARC-041427-07981	6	130.272	A	G	GCP/IBP	GGACGAAGAACTTTGTTTGTTGCCTACAATATTAGTAGTTCTACTGAACTAGTCGACTCA[A/G]GTAGGATAGTCTCTTTTAATGACCAGGTGTGGCCTATCCAAAAAAAATTGTTAATTTGCA
BARC-029825-06442	7	16.947	T	C	GCP/IBP	CTTTTGTACTGCCATTGGGAAAATGGAGAAGGAATCAAGGCACGTATTCTCCAACAGTGC[T/C]TTTTATTAACAAGTTTCTATACGCTGATGTCAGGTGCAATCTAGGTTTGAGGTTGACATA
BARC-900461-00929	7	39.074	A	T	GCP/IBP	TTGAAAACTGTTGTTTGAAAGGGAGAGAAAATACAAGAAAGGAATGTGACTACCAATGTC[A/T]ACTGAGTTAATAGAGCTGAATCTATTGCTTGAGTAGTCCAAGTAAATGGCATTTTTCAAA
BARC-044841-08824	7	45.128	A	T	GCP/IBP	ACCCCTGCCAAAAAAATTGATTGAAATGAGACACAAGCTAAAAAACAGGGCTGACATATA[A/T]AGCATGCAAACTGTTCAAAAGTCAAAACACAAACGCTGGAGGAAACTGCAAGTACATGGG
BARC-016783-02329	7	50.249	A	T	GCP/IBP	TCCATTTCATCTGCCGCAGTTCCACCATCACCAGCCGACGCTGCAGTTCCAGCAGCAGCC[A/T]CAGCCGCCACAGCTATTCCAGCATCAGGCACAGCCACCTTCCCACCAACAGTTTCATCCT
BARC-047995-10452	7	68.69	A	G	GCP/IBP	ATCGTTGGAGGCTCTGCAGTTTCTTGAGAATGAACTACA[A/G]GACAAAAGGTTCTTTGGAGGAGATGAATTTGGATTTGTAGATATTGCTGGTGTCTTCATT
BARC-907715-01049	7	73.448	T	C	GCP/IBP	AAGTATAAATTTACTTTCTTTGTAAAGTAATAATTGTAGATCGTAGTGCTATATTAATAT[T/C]AATAGGGAGGGAAATAAGGATCTAGCTCTCCTCTATAACAACTCACTGAAACTAACTAGT
BARC-007320-00155	7	89.837	A	G	GCP/IBP	AGGACAAATATTGAAAGGTGATGATGCCAAAGTTAGCATGGAAGAGAGAGCTGGCCTCAC[A/G]GTTCCAAGGGCACATAGTCTCGTTTGTGTTCCACTTGCAAGGATCGGCGTTGCATCTAAA
BARC-065255-19294	7	98.539	T	C	GCP/IBP	AACAATGTAAAATATGAATTTGTGTAACATAYGATTATAGCATTACCATTTCAGGGTAAA[T/C]TTCAATTATGTATGTACGACTCCTTAATTCATTTACAAACTAAAGTTCCACCATCTTTCA

BARC-021937-04237	8	9.566	T	C	GCP/IBP	TGGGATCCACTCCTAATAGAGCTGGTGCATTTATTCGATATTATGCTTGACATTCCATGC[T/C]ATGGCAATATTTGGGATATGGGATCCACTCCTATGTTGTTACATGATTGGTTTTTGTTCT
BARC-017665-03101	8	30.669	T	C	GCP/IBP	CCGGTTCGACCGGGATCCGTGCCGGTTCCTATGCAAACCCCTTATCACTACGTTCAACAA[T/C]CGTATCATGCTGTGGTGCCACCTCAGGTTCCTATCGGGTACCATCCTTTGGTTCCGGGTT
BARC-040339-07715	8	46.979	T	C	GCP/IBP	CGTCTTAGTAACCAATCTTTTCAGGTATATGGCCCCATCTTTCTCTTGTCTGAACAAAAG[T/C]AGGGCTTTCAATACTAACTTACCGCTAGATCATTTAAATACGATATATTTATGGTAAGTC
BARC-027614-06619	8	56.878	A	C	GCP/IBP	TTGMCGATMAAAAAAAAACAAATGCCTAGGACTCTGCTAATTTGAGTGTAAAATGAGGAG[A/C]AAACTAAGAATGATTTGGGATGGGAAGGTTTTGATTTTCTCTGATTGCTACTTGGTAGAG
BARC-018941-03041	8	59.302	A	G	GCP/IBP	ATGACTCAGGAAACCCATGGGGGAAGATAAAGAACATGCAAGAATGAGAACCTATCTTGT[A/G]GAGTTTATCTTCCAAAACATAATTCTCTATTTAAAGCATACATGACCAACCACAGAAGAT
BARC-044663-08756	8	64.419	T	C	GCP/IBP	GACTCGGATAGTAGCAGGRATGGACTACTTCCTCATCTTCAGAGCCAATGATGAGTACGG[T/C]GAATTTCAAAATTACGGAGCAACTGTGCGAGTAATCGAATCGCTCCATTTCAGAAACCTC
BARC-029669-06297	8	77.062	A	T	GCP/IBP	CAACACAGCAAGGAGAAAAAAAATAATCTTAGATCCTCCTAGCAAATTATCCAAGTTATT[A/T]ATTAGTCAAAATATTTTTCTTATGGCCAGATCCAATCTCATCCCTATGGAAAGGAAAAAA
BARC-054143-12351	8	88.163	T	C	GCP/IBP	AATAGTCATCAATTTCTTASTGCATGTTGAAGCATTGGTGAGCTGAAGTTCTTGCCTTCT[T/C]GGGTACTATTTTATATCCAAATTTCAGGATGTTAATTCTCAATAGGGGGATTGTAAATTG
BARC-062129-17664	8	103.87	T	C	GCP/IBP	TTGACTCACAAGGGCTTGCAAATTTGGGCTTAAGCCTAACATTAAGTCACTCATTTTATT[T/C]CAGCTTACGAGTTTATGGCCAACCATAACTTGGAAAAAGtaaaaatagtttttttttaa
BARC-042715-08379	8	124.403	A	T	GCP/IBP	CTCTTGGTAATCTTCATTTTTATGGacccttacctGTTTCACTCATACTCTGGTTTAAT[A/T]GTCAAAAGCTTGCATTTCAGGTACTTCCTCAATCTGTTTGGATTAAGAGGATTCTTTAGT
BARC-020591-04686	8	128.798	A	C	GCP/IBP	GTTTGTAGCTTTGAAACTTTAAAGTTGTCCGTAATTATGTTTTTTATTTGTCTGATTTGC[A/C]TGCAGTGATAGGAAAAGATGGCTAAAAATGTCCATCCTAAGCACTGCAGGGAGTGGAAAA

BARC-054887-12192	8	136.308	T	G	GCP/IBP	CACATCAAAGCACCAAGAAAGTTCGAAGTCAAGAACAAAAGTGATATGATGCAATAATTT[T/G]GGTGCAAAAACATGCACCATAAAGTTTCTGGGTACCATCGGTCTCCTGAATGGATCTCTG
BARC-007972-00189	9	8.557	T	C	GCP/IBP	CATTATTTATATTGGAATATGGACTATGGAGAATTAGTGGGATATTTAATTTCAGTCTAC[T/C]TTGTGTTTTTACAATCTGTGGATGCATTTTGGGGATAATGATTCGAAAGTGAAAAACATT
BARC-028040-06720	9	23.81	T	C	GCP/IBP	AATGGAGATTGTTCGTGAAGTGAGTTATTACATGTTCTTCTATAGGTTATATTAACATGT[T/C]TGTGAAATTCAATTTCTAATTTCTAGTTCCTTGACATGAACTAGTATGCTTTTCATTTTT
BARC-028249-05804	9	39.511	A	C	GCP/IBP	GAAATCGGGCACAAAATCGCCCGACCCGAAATCCGAAAACATATCAGGGAACGACCCAGT[A/C]ACTAATTCGGCGTCGGTGC
BARC-007999-00186	9	57.208	T	C	GCP/IBP	CACTGGTATGACAGCATTCTAGTGGTGGCTACKATGGTGACACTAATAAACATCATGGAA[T/C]TACTGGTGGCTATAATGATGACACCAATAGACATCATGGAACTACCGGTGTCTATSSTAT
BARC-030181-06822	9	74.562	A	T	GCP/IBP	GGAAGGGTGCCTATTACATCAACCAAGTATTCAGTTAAGAAGATGAACCTTCCCATTAAA[A/T]CTGTTTGGCACCCTTGGTTTTCCTATGGAGAGGTAATTTAAATACAGTTACTTACACCCG
BARC-030025-06777	9	84.99	A	G	GCP/IBP	ATAAGATTGTGGATGAATGGAGGCCATGGAACTCAAATAACCAAGTTGCTGGGTATGCAT[A/G]TCAACCCTCTATGCCTAACAAATTCTTGTACTTGTATTAGTAAAGTTGTTCAATTAGCTA
BARC-060183-16458	9	89.402	A	T	GCP/IBP	CTTCAGAGTTCTATAATTGGACATTTTCCAAATAATAATCTCAAACTAAATTTATCACAA[A/T]CCAGTGAACCAACTTAAACTATCCCAAGAACAAAGCGCAAAGGATATCCACATTCACATC
BARC-051769-11236	9	93.79	A	G	GCP/IBP	CCAATTTATGACTTCTTTTGACAGAAAAAAAGATATTTGACTAGACAGAAAAGAGGGAAA[A/G]GATACAAAATGGTGTGTATGAACCAAGGTGCTAACTTTATCAGCTTAATTACATAATTTC
BARC-018101-02517	10	10.747	A	G	GCP/IBP	CAACAAGATAAAAAAATTCAAAAATCAGACTATATATACCCGTCTATTGCCAGAAACAGT[A/G]TCCATAAATAATGTTTTGCTGACAAATAAGTGAATAACACAGCAATATATGTTATTTACA
BARC-018911-03277	10	25.524	A	G	GCP/IBP	CACAATAAATCTATATTAGRGATTTAGCAATGCAGGAATCAAACCAATGACAATTTTGGG[A/G]GTTTAAGTTGATCGAATAATAAGGGATTTACCAGCAGACAGGTAACACAATGCAAAGAGA

BARC-035255-07160	10	41.762	T	C	GCP/IBP	TGAAAGTACAAAAAATGATGAGTAGGAATAGCCCGAAACAGATCATATTAATATTAAAAC[T/C]AAATTGCATACTCACTATTTGTTAACACCTCTTTCAGACTCTCCTCAGCATCCGTTTTAG
BARC-051149-11016	10	47.348	T	C	GCP/IBP	TAAAGTAAATTAATGAACAATGGAAGGAAAAATGTAATGATCCAAAAGCACATATTCATC[T/C]AGAGGTCTTATAAAGTTAAGCATATGCACTAGAATAAGTTCAGTTAATCCACAAACTGTT
BARC-040749-07839	10	66.854	T	G	GCP/IBP	GTCAATTCGTCACTCACTTGAGGCAAAAGAGATCGTGCTTTGACTATGGATGAAAAACCA[T/G]ATTGAATGTTTACATTAACGACGTATAAATAATTGAACAAATTCCAACGCAAATACCATC
BARC-029491-06207	10	82.103	C	A	GCP/IBP	TCTGGAAATGTGAAAGAAATAGAGACAAAAATATATTTAATTGAGACAAAAATGCACTTT[A/C]ATTTCAGTCTTTTAAGTTAGTCTCCACTCTTATGTTTAATTTTCATTCCTACTCCCTAAA
BARC-050013-09288	10	94.973	A	T	GCP/IBP	CATTCCAAGACTCCTCTACATTTTGAAACTCCAA[A/T]TAATTTATCTTCAAAAATTCATAAATTTAAATGACTCGAATCTTGATAGTTATAAATATT
BARC-065783-19748	10	117.856	A	G	GCP/IBP	AGTCCCTTAGGGCAAAACCAATTTTCACTACAAACACCAAACAAATTATTCAAAAGAAGG[A/G]AACCTACTGAGCAGTGCAAAAAACAAAATGAGAAATTTTTTCAAAACTCAATCTGAACAT
BARC-041591-08048	11	5.575	A	G	GCP/IBP	ATATAGCATTTATAGTATTCATCGTAAGCTAGGTCAAATCGTTATTTAACACAGGTCTTC[A/G]TCCATCTTTGTTATTCCTTGTCAAATATATATTCCCCGATTGAAGACTATTGCTGCATCC
BARC-041095-07905	11	23.856	C	G	GCP/IBP	ATTTAATTGCTAATTATTGTTTAACTTAACATGTTGATGAAATACTGATTTCTCCAACTA[C/G]TGAACAAACAAAGAAATCTTGAATTTTTCTAGTGATCTACCCTACTGCGATATCCTTTTT
BARC-016539-02087	11	45.398	T	C	GCP/IBP	GGCCCCTGCTGCAGGCAAAAATGGACATGCTTCTACAAAGAAAACTCAGCCAAGTGAAAG[T/C]TCTGACAGTGATAGCTCTGATTCTGATAGCAGCTCTGATGAAGGCAAAGTAAGTTTTTTT
BARC-032817-09052	11	55.573	A	C	GCP/IBP	AAGAAAAGCAAACTTGACATTATCGTTGTTCTTTATGACGGCTAAAAAACTAACCACGAG[A/C]GTCACTGCAGTTTAAACTGTCCAAGTATGCAGAGCTAATAGACATACATATCCCACTTGA
BARC-040309-07711	11	69.17	A	T	GCP/IBP	TGACTCTAAAGCAGAACAAGCAAAC[A/T]AGTTGCAGAGTCTACCTTAAATTCCCCAATTCCCAACTTTAAGGCCAGCATTGCTCAATA

BARC-050205-09457	11	76.856	T	C	GCP/IBP	TTTGGGCCACCTCTCAAAATAGTCG[T/C]AGGTTCCCAAATACCTTCATCCATCTTTTGTTGGATGAGAATAGCTAACTTTTCCATACA
BARC-042299-08241	11	92.47	A	G	GCP/IBP	AAATATTGATAACTCTTAGCCTAAGATTATTACTTTGATTTAGGTCAAAACTTGTTAGAG[A/G]ATACAATTGAAAGAAAAAATAATAAGTAGCAAATAGGATAAATATACAAGGTCAGAATAA
BARC-054049-12291	11	101.754	A	G	GCP/IBP	CAATTTTATGTATGTGAATGTGAAATAGTGGAGGGGTGGTTAAAGTCAACTCTTGGAAGT[A/G]GATGAAGGCAAGGAGAAAGGGTTTTGTTTATAARATGTCTTGGTTTTTAAATCCTGCGGC
BARC-054037-12260	11	110.289	A	G	GCP/IBP	ATGATTGCAATTGCCAATTATTATTGCTCAGATAGGAACATCGATGTAACTTGATGGTCA[A/G]TTGATCATCAATGTCTCTTATCTTGGCTGCTTTAGTTTGTTTGCTAATCTACTATTAATT
BARC-020149-04485	12	6.175	T	C	GCP/IBP	TCCTTCTCCCTTTTTCTTCTCAGCATCCCCACTCTGCACCTGAAACGTGTACTT[T/C]CTCGAGCTCCCACTCTTCTCCCCTTTTCCCGTGATCTCAGCCGTCCATTTCACGTTCTTG
BARC-027560-06613	12	9.802	A	G	GCP/IBP	ACAACAACAACAACGGGCCCGTTAGGCCCGTCATGAATAAAAAAAAAAGTTGCAACAACA[A/G]CGTACTCATTTTCAACCCCATGATGTGCGAAGTGGTATTGACAACGAATTTATGATTCAC
BARC-053059-11707	12	15.72	A	T	GCP/IBP	CAGAAAATGATGTCTGTCTAATAATACCTGGTATGTGGAAAGCCATTGCTTTTGTTTTTT[A/T]TGCTCCACAAACAAATAATATACCAAGTGATGTAAAAAACTTGTATGAGAAAGAAAATTT
BARC-052799-11625	12	31.367	A	G	GCP/IBP	TGTGGCATGTTGGCAGCTCATTGGAAGCAGTTAACAGAATTTACGAGATTAAAGGCCGTA[A/G]ACATACAAGCCCTCTGGCTAKTTGTGTTGGTGACGTATCAGATATAGCCCGTTTTGCTGT
BARC-030145-06814	12	33.888	A	G	GCP/IBP	CTAGGTTTTACCATTTCCAACAACAACAATGACAACATAACTAGCAAAAGGTCACATCCC[A/G]AATGTTCTGTTGTAAAGATCCCCAGAATTTGGCATCCGAAATTTTGaaTCATCATATCCT
BARC-032147-07327	12	52.74	T	C	GCP/IBP	GATCCCTGAAAGAGTTGAACCAGGTAGAGATAAAATGATGATGGAGTAATAAATAGTGTT[T/C]TGAGCAATGGATTTTGGATTAgttgttgttgttgttgttattgttTGTGACTGATTCAGG
BARC-050237-09522	12	58.343	A	C	GCP/IBP	TTTCTACATCCAAGTTGTGAACTTCGGTTCAGATGTTCAATATGCAGCACCAAAATATAC[A/C]AAAAAAAAGTAGTACAATAACAAAATAACAAAACACAAACAGAAACAAGAAGATGGTTTG

BARC-061985-17608	12	62.138	T	C	GCP/IBP	GATACCAAATGATTGAAMAAATGGAACTATCACTAGTGACTTCTACAAGGAGGTTGCACC[T/C]ATACTTCCAAAGTCATTTGATCAAAGTCAAgaacaACC
BARC-050003-09283	12	78.391	A	T	GCP/IBP	ACTTTGAAGAATTCAAGCTTCAAGTTCCCTAAAGSGGTTGAGTCTTTGGCTTCAATTACC[A/T]GTTTCAATATTGGCATTGCTTCGTTTGTTAATTTGACGTTGTTCTTGGTTTGAAGCTGCA
BARC-049209-10821	12	83.151	A	G	GCP/IBP	CACTTATTCCATCGCACATACAACAACCATACCATACGGGATCACTCATATGTA[A/G]ACAGACACCACATGGCATAGCATAACTAATAAAAAAACATGGCATAGCATAAATAACCAA
BARC-039237-07479	12	101.092	A	G	GCP/IBP	AACAAAACAACATCAATGCATTCAAAATGATAGGATGTTATCTATCCACTCTTTTGAGAC[A/G]TCATTTTCTTCCTCCATGCAAGTGCAAGGTCTCTAGAACAACATGGGATGTTGGAGGCTC
BARC-019821-04399	12	106.142	A	G	GCP/IBP	GATGCATAAAAATTAAATTTAAAAACTATTACATCTTATAGAAGCCATGCACGGGTTGAT[A/G]CTGGAAAGCTGATTGATGTTTACTACATTTCTTTAGGAAATGAATAGGTCTCTTTAAATA
BARC-035375-07174	13	19.184	A	G	GCP/IBP	ACTTAGTTTTCTTAGCAACTTCCACCGTGATCCGTAATGAGCAAACACCATATCCTGTCA[A/G]CAAGGACGGATCCAAAATAGCCAAAAGTGAAAAGATATACATATGTTATTATCTTAGTAA
BARC-014411-01355	13	28.209	A	G	GCP/IBP	TATTAAGTCAGGTACCAGAAAATTTGCATCAATTCACACTCATGAGTCACCTGAACAAGA[A/G]CTAGACCYGGTTTTATTGTTTGTATCACTGTATGTAATATTTAATGTTTTCGGTTCATAC
BARC-038405-10071	13	34.457	A	G	GCP/IBP	GAAAGTGGTGTAATTGTTCTCTCCACTTCCTGTCTATTACTGTACTATTTTAAG[A/G]GAAGCACTGTACAGTATACCTAGAAGCCCTACAGGTATTTTTCTTAATCTGGTTTCTGCA
BARC-050657-09804	13	45.033	T	C	GCP/IBP	TAAAGGGCGGTTCAATCCAGGGTCATTTTCAAAATCCCAACTTACACCTCTATAAATGGC[T/C]ACTCGTGCCCCTATCCTTTTCTCGCATTCATCTCAAAAGTAAAAGAAAACCTCTCGTTTT
BARC-038413-10074	13	50.707	A	C	GCP/IBP	GCAATCTACTGCAGTTGAATCAACTAGTAGGTTCAAGTTCAATAGTCATGTTAAAAAAAT[A/C]TAGGCTTGAAAAGATCATTGCAGATAGAAGAAAATATATAATTGATTTAGAGAATGAATC
BARC-041649-08056	13	68.55	A	T	GCP/IBP	TTATATGACTCCAACTTAAATCTCACTGAAAGCTTGATTTGATGCTACCCCAAAATACAC[A/T]CCCTCTTTCCCCCATGCCATAACATAAAGTA

BARC-028583-05961	13	75.921	A	T	GCP/IBP	ATGTCCATATCTCTTTAGTAATTTTTATAGGATCTAAATGGTATAGCCACTCATTAATCT[A/T]TACCATAATCTCTTTGTAAGAAATTAATGAATCAGTGAGAAATTTAGTTAGAGGTGACAA
BARC-046144-10286	13	85.177	A	G	GCP/IBP	TGTTTGCACATGTTCCATGTTCTATTATATATACTCCATTTGTTGAGAGCATTTTTATTG[A/G]CATAACCTTTGTCTTTCTGTTCAAGGTATGCTGATGTCTAGTTCTGGTTATGGGTAATTG
BARC-042953-08476	13	102.161	A	T	GCP/IBP	GCATGCATATAGTACAGAATAGTTGTTCACTAATTGAGTTTTCATTTTCCAACCAAATAA[A/T]GATTYCTTGCAAGTATATTAGGATCAGCAATTTTCAATTTATGAATTATGATGGGTGCTC
BARC-013365-00489	14	3.28	A	T	GCP/IBP	ATCAGAAGGTTCATCTCTACTTCTGATCACGCCACTCTTCCCAAAACCTACCACAGGTCC[A/T]CACCTCAAGTCTTCTCATAATTCCCTCCACATTTCTCAATGCTTCCTTCAAATAATTTAC
BARC-020561-04671	14	14.853	A	T	GCP/IBP	GactgATAGGCCCTTCAGCTGCCCTTTCACCGGCGTTTTGCAGGTTTCACATTATGATTC[A/T]GGCTTAGGTTCAATAACCAATTAAAGATGAGGGTTTGAGTTTCTCAGGATAGTCTCAGCT
BARC-044973-08857	14	25.48	A	T	GCP/IBP	TTCTGCTTTATTGCTGCTTGGGTTTGAACCATTCATCACAGTTGAATTGCTTACAATCTT[A/T]GTTTCTTTCGATTCTGCCCCGAGATAAttttgacAA
BARC-044549-08718	14	40.026	T	C	GCP/IBP	GCTCAATTGTTTTTTTTTCCTTTGGCTCCAGGCTGCCCAGGAAAGCAGAAAGTTTCTCCT[T/C]CCTGTTGGAATATCTTTAAATTTTATTTAATAGCTGATATTGCTACCAGTATTCAGAAAT
BARC-064873-18956	14	45.456	A	G	GCP/IBP	CCAAAACAGAGGAAAACTGATAGGAATAAGAATTCATCTTCCAAGTGGGATAGGCCTTTT[A/G]TGACATATCAATGAAGGCCTAAATAGTATGGGACCTAATAATATCTGTTAGGGGAGAGTC
BARC-054615-12115	14	56.097	T	C	GCP/IBP	GGTGTGAAACTCGTAGCCTCCAACTAGGATTCTTCTCGCAAGTGTCTTTCCAAGTGAATC[T/C]TGAGAAGAAGTTATGGTTGACGATGGAAGCTACGGGCGTTCGAAAACCCGCAAGTGTCGT
BARC-052789-11619	14	65.173	A	G	GCP/IBP	CTGTCAGGAAAATAAATATTGGGGCTAAAATAGTTAAGGAAATTTAGTTTCCCCT[A/G]CGTGACTTTGATATGTACCAATATATGAATAAGTTTGATCCAGGAACAAGTTGTTTACAA
BARC-013273-00464	14	80.364	A	C	GCP/IBP	CTATAAACTATAAAAGCTTTGCCCAGATGAARTTACACTGCAGGCAAATTTTTCATTCAC[A/C]TTTAGCTTAGTTATCTTCATTGTCGCCCAAATTATTCTTTGTCACATCTTTGTATTAGCC

BARC-039667-07536	14	86.643	T	C	GCP/IBP	ATTGTACGCAGCCTTACCCTTGCATATGCAAARAGGCAGTTTCTGGATTCAAACCTATGC[T/C]AAGTTAACAGACTTGTTTCAGGAAAAACACCAAGCCAAATTCAGTTTTTCAACCCTTCTT
BARC-031363-07063	14	97.126	A	C	GCP/IBP	ACTTGTCAGGGATCAGGAATTCAACCTCGTTACCTTGACCGCAGGTATGGAATTCTGCAG[A/C]CTAAATTTTCCCCTTTGTAATTTAAGACAAAATTTATATACAGTTCTTTAGTGCTTTCGG
BARC-025493-06513	15	9.972	A	G	GCP/IBP	ATCTGATGAGGTGTACCTTGGGGAGAGGGACAATCCAAATTGGACATCTGATACAAGAGC[A/G]TTAGAGGCTTTTAAAAGGTTTGGAAATAAACTGGCACAAATTGAGAATAAACTCTCAGAG
BARC-039687-07541	15	18.773	A	G	GCP/IBP	GACCAGAAATATCTCATTCTGAAAATTTTCACGTTAAGTGACCAAAAAACAACAGCAATG[A/G]TATCGTATATTGCTCCCCTAAGGATAACTTATAATCGTTATTTATAACAAAAAAAGAAAA
BARC-041187-07932	15	31.257	A	T	GCP/IBP	AAACAAGTATAGGCATATTACAAGGCATGCCCAAATAGCTACC[A/T]ATCTATTTTTTCTTTTTGGTTTTTCTAAAATCCAATTAACACGGTTCAAAACACCGAAAA
BARC-018901-03270	15	47.292	A	G	GCP/IBP	AACAACTTTTCGCATATTATACATGGAAGGAATCATTTTTTGGTCCAAGGAAGAAAGCAC[A/G]TGCAAGAGGGGTCTGGCGACAACTAAGAGAGCTACAATTAGCGATAAAACCACCGAGTGT
BARC-050109-09389	15	54.942	T	C	GCP/IBP	ACAAGAGAACGCAAAGACGAAAGTTTGCACATTGGAGGTGAAAACTATGAGGAAAGCACA[T/C]AAACTCACTCACTCACAAGTCTTACGCAATAAATCTCACCGTCGCATGACACAGTAACTG
BARC-066103-17539	15	66.033	A	G	GCP/IBP	ATCTAACTTTCAATCTGTAAAACAAATGTACTCATAAGAAACTATTATCATAATAAGTAT[A/G]TGAATTTTTCTTTTCACTTCTGTGTAATATAAAGGTATATTCAGAAAATTTTCCTAAAAT
BARC-054787-12166	15	75.942	A	G	GCP/IBP	AGATCGGGAAAGATTATCCAACATAGGAGAARTGGTTAGAGTATATGGGGTAAGGGTTTC[A/G]ATTTGGATGGTGGGGATGAGTGCAACTTTTGAGGAGGGAGGGGAACTCAAAGAGATTTTT
BARC-057969-15031	15	77.038	A	G	GCP/IBP	TTGtacaAATAAAAGTAATAATAATTGTACAAATAATTCATCCTTTAGCAGAATGGCATA[A/G]GGGACGAAAAATTGGTAAAACCAAGGTAGATGGTTAGGGGTGTAAGCCCACGGACTCTTG
BARC-057281-14664	15	93.739	T	C	GCP/IBP	CTCTTCTTTGGAGCATTAAGAGTTCATCAAAGAGCATCATGAAATTAAGTTAAAGCCTTC[T/C]AAGTGAGAGAAACTCAAGCCAAGTTCTCTGTGTGAAAAATTTGTCATTATTGCCTCAACC

BARC-016027-02038	16	2.336	A	G	GCP/IBP	CATTTAGATTTAAGACAAGTGAGTAAATCTGGTGTCATTCACTCCTGTATATGCTAAAAT[A/G]GCCACTACCATTGTTGTTTTTTGGTTACAGAATTTGCTTTATAACCCTGACCCCACATCA
BARC-028006-06717	16	11.362	T	G	GCP/IBP	GTGTTGTACTCAATGATGAGATGTCTTTCTTGTACAGAGCAACGCCTAGGGAGCTTCATG[T/G]CTTCTGCTATTATGTTGATCATTTTCAACCATATGGGCACTSTAGATGCATARAAATGCC
BARC-030595-06910	16	23.797	T	C	GCP/IBP	TTACATGCAGATTATCAAGATGAACTATAATTCTAATCGAAGAATAACACCAAAAATACC[T/C]ATAAAACTAAATCAAAGTTTTGTGGTTTAACAAATGACACAGGCATTGGGATTCTCTTCC
BARC-031525-07106	16	34.782	T	C	GCP/IBP	TAAAGCCTTCAGTTAATTCTTTTGCTGATCAACGATAACCATTCTTGTTTACTTATGTGA[T/C]TGGTCATGTTGCTTTTCTTCTCGGATGCATATAAATGTGAATCCTTTTCTCACGATGTTG
BARC-059867-16171	16	46.048	A	G	GCP/IBP	ATTAAAGATTTCTAATTATTAGAATATTTGATACAAAATTATTTGTATTGCTCTTGGGGT[A/G]TTCACACTAAAGATTTGGAAGCCAGATTTGAACATGGTCCGGGGGTTTGTTTTCATATAT
BARC-031917-07226	16	60.927	A	G	GCP/IBP	ATTAAACATGTGTCCATTTACCTCAAATCATGTTATCCGATATTTCAACAAGACTTTAAA[A/G]AATCCTACGTGAAACCAAACATGCACTTActaGAAtAAGCAGAGTGAATAGCAGAAATAC
BARC-011645-00322	16	67.895	A	C	GCP/IBP	AGAAAATGTAGYCAATTAATATAATAAATGCAATCAATTAATATAATGTTAAATGTGCCA[A/C]AAACTTCTACGTCAACATGCGGGAATTATGACAGAAAAAGAAAGAGAGAAAAAAAACATG
BARC-030433-06867	16	76.614	T	C	GCP/IBP	ATATCTGCctTACTAACAACTCCAATTTATTCTTTCACACTAGGTATTTGTCTTCTGTTT[T/C]GGAATATACTTTATCTTGGTTCCCTTTTCAGACTTCTTCAACCTGGGTTTGGATTTCGCA
BARC-031515-07105	16	88.501	A	G	GCP/IBP	AGGYATAGATAAATAACCCAGTTGAACCACCACATAGGAATGATCTGCAAGGGAAAATAA[A/G]AACACATAGATGAAGTGAGCTGGTCATAAACTTAACTTAAACTCAAGCCTCATTGAACTC
BARC-050393-09582	17	11.44	T	G	GCP/IBP	CGTTAATTTTGTTTTGAAGGCGTGGAGTGAGCAACGCTGGGTTGGGGCTCCGAAGAAGCC[T/G]CTCGAATTAATCAATCACCTCAAGAAGAATCATCGGAGGACAAAGCTTCCAAACACTGTT
BARC-043087-08524	17	21.029	A	T	GCP/IBP	TGCTATTTTAAACTCTCATGTCCTGTCAATCTTCATGAAGTTTGATTTGTCATTTTTTYW[A/T]AAAAATTAGGTTCAAAGCCGAAGAGTAAGCCCAAAAGGGAGAAAACACAGGAGGAGAAAA

BARC-058841-15463	17	32.99	A	G	GCP/IBP	CGGGGCTAGTGCTGACATTTTGCYWGASCTRCTGGGTCTAT[A/G]GAAACAAGGCCGAATGGGTTAACTGAGTCCAAAAATGTCTGATTATTAAAACTGTCCAAA
BARC-048381-10555	17	41.551	A	T	GCP/IBP	ATCTAAACATTATAAACAAAGTTCTAAAGGAATTGCATGGAATTTGCTACAAAAACTATA[A/T]AAAAAATAAGATGCATATAAAAGAAGACATCTAGTTTGAACCAAATAGTTTGATGGAGTT
BARC-063551-18386	17	57.33	T	G	GCP/IBP	TCCACGGCATTGACTGACTGTTTTCAATTGGATAGGAACCAAATCAACTAATCAAGCTAG[T/G]AATAAAGTGAGATTAATTTGGCAGACAAGTCTAGTTGCAAATGTGAACTTTAATTTAAAA
BARC-062213-17705	17	74.476	T	C	GCP/IBP	ATGATTGCCTTATAGTTGGAAAGAGAGTTAAAAGTTGAAAGGAGAAGGAAGAGAAAGAAG[T/C]CATAATTTCAAATTCTCTCACTAGCattttaataaaaattaataactaatattatctaat
BARC-019787-04375	17	78.523	A	C	GCP/IBP	CTTGTATCTGTATATGGGAAGTAATGGCAATGGCCAAGCCAAAAAGAAAATGGAAAAAAA[A/C]AAGAGGTTTGGGGGGTTGAAAAAAAACTGGAAAAGGTTAGAAGTAAAGAGAGGGGTTGTA
BARC-049255-10878	17	95.969	A	G	GCP/IBP	TGAAGAAGCCTCGCCTCTTCGTCATTCCCAAGATCGAAATCCCCCAATTTCAATGAACTC[A/G]TTGAATTTTTAGTTTATTTTTCGACTATATATTTTGGAGAATTTTGAGAGTTACTATAAT
BARC-048855-10738	17	109.308	T	G	GCP/IBP	TACCATTCCAACATTAAATATCTTGAATGAGTTGTTTCAAGAATAATGATATTAACTTGA[T/G]AAGTATTATTAGGATTTCACGCATTTAATCAACCCACTTAAACTCCTGACTCATAAGCAT
BARC-039151-07458	17	116.098	A	G	GCP/IBP	AACTTTAGTTAGTACCTATCTGCTGAAGAAGAGACCCCTGCGTTTGTGCATGTGCCTGCG[A/G]TTCCTCAAAAACATGGTCAAATTAGTTAATTTAATTGAGTAGAACTTAGTTAAAAGAAAT
BARC-014403-01354	18	1.533	C	G	GCP/IBP	ATCTTCCTACAATAGAGTAGTACATTTCAGTCAGACTATCCAAAAATTGTTGTGATGTTT[C/G]TGACAGTGACAACCACCGTAAAATTGCTGCTAGTTAGTACTTACACAATAATATGATGAA
BARC-012295-01800	18	11.12	A	C	GCP/IBP	AATAAACAAACGCAAGCTAGTTGCACATGATTGGGAGCAGTTATTCTACTTTCATATAGT[A/C]AGGTTATAATTGGTCACTTTATTAGTTACTGTGGAATTTTCACGGTTCAGAAAGGATGAA
BARC-046934-12799	18	26.922	A	T	GCP/IBP	AGTATAAGGTGATGACAATTTAGTCTCTGRAARAAAGAAAATTTTGACTTGATCCCTAAA[A/T]ATGTAAAAAAATATGACAATTAGGTTCTGCCATTA

BARC-063581-18909	18	41.17	A	G	GCP/IBP	TCCTTTGAGCGAGAATAGATGAAACTTTGCATACAYATTTCACAGTGCATACACAAATCA[A/G]GTCTGGTTGAAAGTTCTCGAGCTCATCCCATATAATCCGTAACTGAGTAAAATAGTCART
BARC-047582-13000	18	48.948	T	C	GCP/IBP	TTGATTCATGGCAARCAAAGCCAAYRGTCAAATGGTGCTAAGACTGAACCCTCTGCATTT[T/C]GCAAGAACAATTAGAGTAACAAAATTATACCATGGATAGTTGTAGCWATTATACCATGGA
BARC-047516-12955	18	55.603	T	C	GCP/IBP	ATCATAATATTTMAACCCTAATGACGAAAATTGTRTCCATACTAATTTGCTTTCTATCTT[T/C]ACTTCAGATGCCACAAAGTCAAACAACCAAGTAGTGGTAAAAATCTATCCATGACCCCCA
BARC-040163-07672	18	69.503	C	G	GCP/IBP	AGTTGACTTAGCAGTTGAGGAAAAAAAGGGAAGATTGTGGATTCGAATTCCTCACACTAA[C/G]ATTTAAACAAATTAAGATCTAACATTGGCTAATAATAAAATRAAAGGacttaaaaaggtc
BARC-037195-06738	18	78.278	A	G	GCP/IBP	TCAGGTTGTATCATTTTTTTAAATTGTCTAGATGGTCCTGTGGGTTATCTCTTCTATCTC[A/G]AAACTATAAAATTGTGTTCTATACAGGCTGATCAGTCAGGAACTATAGTTGAAATCGTTG
BARC-031343-07057	18	90.462	A	G	GCP/IBP	CTGGTCAGGTTAAGATATCAATCTGTTATATACTACTATAATGTGAATGGCCTATATTAT[A/G]GGAAGTTGCCAGATAAAATACAAAAATAATGAAAACTGTAATCTACCTGCAGGGACCCAT
BARC-030123-06813	18	101.849	A	G	GCP/IBP	ATGACAATACAGATTACAGAATARTAATTTCGTTTCAAAACAAGAGTCTTTCATTAGGGT[A/G]CTACAAAGGGGGCAAAAAACCAATGAGGTGTGGAGCTTTTGAAAAGGTAACGAATCAAAC
BARC-039375-07306	19	3.735	A	T	GCP/IBP	GTTATAATTACTTACGGAGAAGTTTACGTGGATATGACCTTATTCTTCTTTTTTTTCAAA[A/T]CATATGATTTAATCCTCTAAGAAACTAATTTCACGTACCAGTTTTGTTTACACAATGTTT
BARC-050993-10894	19	18.162	T	C	GCP/IBP	CTAGTTTTAACTTGTCTTTATTTTACCTTTTTTTCTAAAGGCTTTTGGGACCTAACC[T/C]ATCAAATAGGGTCTCCTTTACTTTTAATGAAAACTTTGTTTTGGATTTCCATGTTGTCTA
BARC-064129-18562	19	34.396	T	C	GCP/IBP	CAGAACCTGCTTTGTTCAGAACCTGCTCT[T/C]AAACAAAAAATAAGTCTAACTCCATGTGTTTGGTGCGAGCATGAATAACCAAATTATGAG
BARC-042665-08342	19	46.098	T	C	GCP/IBP	TCACAAAAAAAGGAAAATCTGATTTATGTCAATGCTTTTTGTTTCTCAGCTTTAGCTATA[T/C]AAGTCAGACAGCAGGATGGAACTGTGTAGAAAGATGTTAGCAGAGACCAACTTTTCTTTT

BARC-059657-15973	19	56.987	C	G	GCP/IBP	CACATTATATATACTTTCATTGATTWTTTTTTTAC ATATAAAACATTATTATCTTAACCT[C/G]AGGCTT ATTAGACGAGTCATGTTTGAGATAAAGGATATCA ATCTCAACCTAAGTGAGGTC
BARC-013061-00434	19	73.904	T	G	GCP/IBP	TTTCCGGGGTCTCATGGCATATGAACAAT[T/G]A TATTAAAAGTCCAATGGGTGGATTATATCAAACG CATGCAAGCAACACTTTACTCGCTG
BARC-064609-18739	19	86.302	A	C	GCP/IBP	CTCAATCTGATTATAACCAAGCTTAGTCACAGAA ACACTGGAGACACTTGAAATCCCATG[A/C]ACTC CTTTGAAATGATTTACTGGAGGTATCTTCATTTCT TGTGCAGCAGATATGCCCAGC
BARC-014385-01342	19	100.692	A	C	GCP/IBP	ACACATTAACTAGCATAAAGCAGGATTGAAAAA CAATTGGAGGAACAACAAATTCACTAG[A/C]GG GAAACCTTCTTTTTCTCCTcagcagctggggcggcagca gcagcaccaccaccaccWg
BARC-042281-08231	20	3.052	A	G	GCP/IBP	CTTTTGCTGTATCAGCCTCTTTTGTTGCCTTTTCA ACCCTTTCCTGTACAATGTATAATG[A/G]TGATGT CATTCCAAACTTATCATAAAGATTAACTCTACCAG ATATATGCATTACAAAGCA
BARC-052017-11314	20	19.964	A	T	GCP/IBP	AAATTGACATTTCCTCTTGGTTCAAATTATGGCAA TAAATTATGTTTATATATGTATTAT[A/T]GATTAT ATTTAACGTTTCCACCCATTCATTGGTCTTTGATG GAAAATTCTTTAGAAAGTG
BARC-029827-06444	20	29.561	T	C	GCP/IBP	CCTGGATTCTTCATCTAACTACAAACCCATATTGG TTAATGAAGAATACAACAAAGAGAG[T/C]TAGTT AAGAGCTTCTGCAGAAAATTACCTGCATGTATTT TAACTTCTCAGCAGTCAGCTC
BARC-015861-02878	20	41.895	A	T	GCP/IBP	TGCTATTGTAATCTCGAAAATAGAATTACTAAAG CTCAAAATTCAGTTGGAAAATAGGCG[A/T]KTAC TTGCAACTAGAGAGCTTAGGAGGTTATTAGTTAG TAAATCAATTCCACTCTTGGCC
BARC-029803-06418	20	50.849	T	C	GCP/IBP	AGAACCTTTTTCCAAGTTTTGAAGTCATATTCGAT TTTCCTACCGTTTATAGCCATATTT[T/C]CAATGTT CAGAAGAGGAAAGGTGATATTCACCGTATGTAT GTACGTATGGTACATTTTCT
BARC-044361-08677	20	85.381	A	G	GCP/IBP	CAATGAAGATGTATAGGTATCTTACTGATCATCC AGCTTGTGATTTTAGATGAGGCAAGC[A/G]CTGA GAATTATCAATTTCTCTTCTCATAGATATGATGAA CATCAGAAGTTGTATAGAATT
BARC-064735-18787	20	106.953	T	C	GCP/IBP	TTAGTTTAGTTTGGAATTTATAGATCTTTCTAGAC GCATGTCATGGGACAAACCCATTTA[T/C]AATTC TTGTTAGTTTTTCTTGAAGACAAGataatataaaaat aaatatttaGAACCTTAA