

Table S3. SNP/InDel makers primers information for localized genes

Primer	Primer sequence
A08_10315153	Fa: GAAGGTGACCAAGTTCATGCTGAGCTAAATCCGAAAGAGAGAATCG Fb: GAAGGTCGGAGTCAACGGATTAGAGCTAAATCCGAAAGAGAGAATCT R: AAGAACGGTACTGTTTTGATCCGAAAC
A08_10219867	Fa: GAAGGTGACCAAGTTCATGCTGGAGCATTGTCTTATAACTGCATAC Fb: GAAGGTCGGAGTCAACGGATTAGGAGCATTGTCTTATAACTGCATAT R: TACATAACCCTCCAAATAACATTTTCCATTG
A08_10452505	Fa: GAAGGTGACCAAGTTCATGCTTACTGCTCCACCGTATGAAAACAAA Fb: GAAGGTCGGAGTCAACGGATTCTGCTCCACCGTATGAAAACAAG R: CAGATAAGTCAAACTCCCATCTGAATTG
A08_10700494	Fa: GAAGGTGACCAAGTTCATGCTTGATGTCTCCCCTCAAATCCAAC Fb: GAAGGTCGGAGTCAACGGATTGATGTCTCCCCTCAAATCCAAG R: TTACTGTTATCGCCGTGGACTTTGC Fa: GAAGGTGACCAAGTTCATGCTCAATTAAGGTATACACGTTATTTATATTC
A08_10796612	AAC Fb: GAAGGTCGGAGTCAACGGATTATCAATTAAGGTATACACGTTATTTATAT TCAAT R: TACGGGAAGTAAAATATTGAATTTTGACCCA Fa: GAAGGTGACCAAGTTCATGCTATCACTATAACTAATTAATATTTGAACTA
A08_10845215	AATTATAT Fb: GAAGGTCGGAGTCAACGGATTTCACTATAACTAATTAATATTTGAACTA AATTATAC R: CATTCGGATCCACATCAGAAATGTTTAC Fa: GAAGGTGACCAAGTTCATGCTAATAAAACTACGTTAGAAAAATTGCAAC
A08_10968946	TTG Fb: GAAGGTCGGAGTCAACGGATTATTAATAAAACTACGTTAGAAAAATTGCA AACTTA R: AACCACGTATAGTTTGCATGCATATTCC Fa:

1150830 GAAGGTGACCAAGTTCATGCTGTCATCATTATATTGTAGTTAAGTCATTC
0 TTT
Fb:
GAAGGTCGGAGTCAACGGATTGTCATCATTATATTGTAGTTAAGTCATTC
TTA
R: TGAACCTATGACCTCTTAGATCAAATTTAAC
Fa: GAAGGTGACCAAGTTCATGCTAGATCTTTGGTAAAGATTTTCATCGGG
A08_
1203372 Fb:
3 GAAGGTCGGAGTCAACGGATTTAAGATCTTTGGTAAAGATTTTCATCGGT
R: GGAATCATCAGCAGCTTCAGGATTAG
Fa: GAAGGTGACCAAGTTCATGCTTTTGGGGGACGAGGCAATACTTT
A08_
1082871 Fb: GAAGGTCGGAGTCAACGGATTTGGGGGACGAGGCAATACTTC
4 R: ATTCCTTGACAGCGTTTGCAAGCA
Fa: GAAGGTGACCAAGTTCATGCTTTTATCAATCTCTGTGATTTGAGATCC
A08_
1065277 Fb: GAAGGTCGGAGTCAACGGATTTTATCAATCTCTGTGATTTGAGATCG
5 R: CTAAACCCTAAAGTTTCCAACCTTTAGAAATATC
Fa: GAAGGTGACCAAGTTCATGCTCTCGAGGATCTGAGATGAGATCT
SNP-
4586662 Fb: GAAGGTCGGAGTCAACGGATTTGAGGATCTGAGATGAGATCC
R: GGGTGCACTAGCTGATATATTCCTAAG
Fa: GAAGGTGACCAAGTTCATGCTTTTCTCCCGGTGAGAATATCTCC
SNP-
4678697 Fb: GAAGGTCGGAGTCAACGGATTAATTTTCTCCCGGTGAGAATATCTCT
R: ATTTCAACGAAAACAAAACGTGTCAGAATG
Fa: GAAGGTGACCAAGTTCATGCTCTTAGAATGAAGAGAGAGCCTAAGTA
SNP-
5170126 Fb: GAAGGTCGGAGTCAACGGATTTAGAATGAAGAGAGAGCCTAAGTC
R: CAGCTTTATCAATCAAAAACCAAACCTTCATTG
Fa:
GAAGGTGACCAAGTTCATGCTTGTTCTTTTGTTTCATGAAAGTCAAACCA
SNP-
4940264 Fb:
GAAGGTCGGAGTCAACGGATTTGTTCTTTTGTTTCATGAAAGTCAAACCT
R: GGACTAGTCTGTTTGTTTCTACTCG
Fa: GAAGGTGACCAAGTTCATGCTGATTCTTCCTTGGCAGTTTCCAC
SNP-
4868918 Fb: GAAGGTCGGAGTCAACGGATTGAGATTCTTCCTTGGCAGTTTCCAT
R: GTCTTGGAGAATGATGTTTCCTTGTTG
Fa: GAAGGTGACCAAGTTCATGCTTTCTGGAAGCCGTTGTTAGGT
SNP-
5044592 Fb: GAAGGTCGGAGTCAACGGATTTCTGGAAGCCGTTGTTAGGC
R: GAATCACCTTCTCCCGGAAACAAAG
Fa: GAAGGTGACCAAGTTCATGCTCAGTATCATTTCACTACAGGTTTGG
SNP-
5150528 Fb: GAAGGTCGGAGTCAACGGATTCCAGTATCATTTCACTACAGGTTTGT

	R: CAAAGATTAACCTAATTATGCTAACAGAAAGAC
	Fa: GAAGGTGACCAAGTTCATGCTCATGACCAGATTTACTTGCACCATG
SNP-	Fb: GAAGGTCGGAGTCAACGGATTTCATGACCAGATTTACTTGCACCATA
5219458	R: ACTACAGAGGAAAAGCTTGCAAGGG
	Fa: GAAGGTGACCAAGTTCATGCTCAATGAAGACATACTTGATGAGAGGA
SNP-	Fb:
5651136	GAAGGTCGGAGTCAACGGATTCAATGAAGACATACTTGATGAGAGGT
	R: GCTCTTTCTCTGATCATTACTCTCTTTTG
	Fa: GAAGGTGACCAAGTTCATGCTTTGCGGATTCAAGGTTTCCGCAT
SNP-	Fb: GAAGGTCGGAGTCAACGGATTGCGGATTCAAGGTTTCCGCAC
6100858	R: GCGAGAGTACGTTGATAGGTATGTATG
ID-	F: GAGCAGGAGTTCTTCAAGC
5309452	R: CTGGATTCTCATTGGTAAGAGT
ID-	F: CAATGAGACCCAGTCGGA
5455594	R: TAGCTGCCAAAGAATATCACAG
ID-	F: CTCTGTGATTGGGAACCG
5814517	R: GCTTTTGCAGGCTTGTATG
ID-	F: GGAGGGTTCGTCATGTATATG
5953322	R: ATCGCTATGGGTACAAAACCTAC
ID-	F: CGACCTTCTGGTGCATGT
4398786	R: CATGGACTCGCAACCTATG
