

Supplemental Table 2. Sequences and primers for twenty molecular markers on twenty non-homologous chromosomes between Jack and ZH13.

Chr	Position/gene ID	ZH13	Jack	F	R
1	59144101	ACCTTTTTGAGGATTACGAGGATCATCATCAAC TCCGTTCAATTCTTTAAACACATTTT	A	AGCATGGACTTAAGAAAGGTTGG	GGATCTGCTACTGATAAAGACAAAA
2	983688	GTTGAAAAGGACATGGCTGCTGCTAAAAAGCTC AATAATACCTATTTTCGT	G	TTTTCAGCAGAGGAATATCCCATA	GGCAGCCTCGTGTACTTTTC
3	7439380	GTTTTTCAGCATATCTTTCTAAGAACTGCAATTT CCATTTTCAGTTTTCTTTGTACTTTTAAATCGCAGTT GTCACAACACTCATCATAGCTACAATGAAAATTG AGC	G	CTGTCTTCAGATCGAACGTAGC	CAACACAGGGACATCACCAGAA
4	49607487	CTGAAGGATGTGCTGAGCAAGAGGTCATCAATT CTGGTACACAAGATACAGAGCCAATTGATTGT	C	GCAAAGATAGAATGTCATTGTCAAC	CAAGTTGGCTCTGTGTCATC
5	2099972	ACAATGAGCCTGTTTGGATCTAAGGTTAGAAGT GCTTTTAAAGAGCTTATCTACTGAAAAATGGTTTA TATTTCTAGTAGAAAAAGATGTCAAAGTACTTAT AACTTATATCCAACAGACC	A	TCCATGTCAATGCTTAATTGGC	GCTATTAATCTGAGCAAGAGAAGT
6	49806102	C	CTCCACGCGCCCCACGTCCCCGCAAGAAC CGCGCCCTGCGGTTTCAG	ATCCACACCCAAATCCACTG	AAGAACGGGAGGTTGTGCGG
7	Glyma.07G057300	TTCTGTGTTTTGGTTTTACGAAATCCCTAATTTGA CCTTTCITTTCC	TTCTGTGTTTTGGTTTTACGAAATCCCTAATTTG ACCTTTCITTTCT	ACCCTCATTTTCTTCGCCAT	GATAGACAGACAGCCATAAC
8	21353130	TTCCATAGTTTTCCACCCCTATTGTAGCCATCGCT GCCACTGTTATATCCACC	T	CCACCAGAATTTTCATTGAATTGGT	GGTGATGGTGGATATAGGGGC
9	609003	A	ACCAAAGCGTAAATTTCTATTTTATCCTTTTTTA ATTATAAATGTTACCG	ACCCTTCACACCCAATTCAAAG	AAACATGCTGTCAGCCAGTAAC
10	51186781	G	GGCTTCGGTCTTGGCGGCACAGAGATGCAA AGCTTCAACA	CCAATCTAGTTATGATGGCTTTGGTTC	CTCTGGTATATACTCCTCTCCTGCTC
11	2122478	GAAGAAAAATAAATCAGCTTTTCCAAGTAACTTA GTTTCATCATGCACCTTGAGAAGTGTAATCCAT GGGCTCGCAAAAACCTAGAAGCTAGATTAGTAC CTAAAGCCCA	G	GCAATCAGCCTTCCACTCCT	CAAGTTGAAAACCTATGCCTTTATCATATTTGG
12	877634	G	GGTAAATCTAAATTTGAATGATCTTAGTGGT TGCAGTTAATCATTTTTGTGTTGTAGTTGTTA GTTGTTAAGATTAAGATGAATTGCTTTTGT GGTTAGGTAGTTTAGGAGTCTTCATC	GCTTCGAAACATCGTTTTTGTGG	ACTCACCACTACTGAGTACCAT
13	44025442	ATCATTATTAGAGTTTTAGGATTTATAAAGAGA AATACAAGTACT	A	AAGCAACAGTATGCCCTTGAAA	TGTGTGCTGCATCTTACTACCA
14	680594	C	CTCTTTCAGGAGTTAGGATATGCTTCAAACCA TCACAATCTTCTATAATTAAT	CCTTCGATGGATAGCCGTTTC	TGGGCTCATTGTTTACGGCA
15	6544099	T	TGTTGTTATTGGCTTTAGTTACACATTTGTAAT TTCAGTGATGCTTCTGTCTTTTG	TTCCATTGCAGATACAGGGTCA	AAATGTCAAATGATCCAGAGTGAGG
16	Glyma.16G026300	GGAGGAGAGCTCAGCAAGAGGAGCCGC	GGAGCCGC	AGCCATCACTATCATCATCCAA	GTGTTAGAGTGAGGGAAGCTGC
17	41595106	TCTTCCCTTTGATCTTCTCTTGTCTTCTGCCT TGTTCTGCCTTCTAGAGAGAAAAACCCAGC	T	GTGGCCATATCTCGAATCCCT	GATTCCGGAAGGTTCTTTTCTTCT
18	13939164	C	CAGATTGACCTGAACTACCAAAACCACCAGAT TGACTGACCCAAAATTTCCAAAACCACT	GGGTCATTCCAAAAGCACTGA	CCAATCTAGTTATGATGGCTTTGGTTC
19	1096659	ACACAAAAATAGTACTACACTTTGCAAGCTAAT GTATATTATTGAAGACATGCCACATGTTTTTTTC TTTTCTTTTGTCTTCTTAGGGAACAATTCAGAA AGT	A	TTGCAGTGCCAAACGCAAAT	GGTGAGAATGATGCTAGATACACA
20	13188876	TATTGTGGCCTATCAGAACGGGCTTCTTCCA CAAACCTCGTG	T	CTACCCCTTCTCAAGGCACA	CCTTGACGTAGCAGGAGC