Table S1. DNA sequence analysis of 24 mutants

DNA prepp	WGS company	WGS	Line	Chr	Gene	CG	Mutant DNA	# of reads	SNP %	DNA seq	Mutant aa
1	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*08A006*	3L							
1	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*09C106*	3R	*Cap-D2*	*CG1911*	544C>T	33	42	CAGTGCCCGCTGGAGAAGCTCTGGAGTCCGCCCGT	Q182@
2	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*10A005*	3							
2	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*10A008*	3L	*Notum*	*CG13076*	357G>A	39	46	GATCGTTCTACTCGAAGGTGGCTGGCACTGTTTCG	W119@
3	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*10A013*	3L	*ind*	*CG11551*	836C>T	69	56	CGGCGATTCTGGAACCAGATCTTCACCTGCTTCTCG	R279Q
3	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*10P009*	3							
4	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*11A017*	3R	*mira*	*CG12249*	1675G>A	39	54	GCTCCAGCGCTCCCTTGGCCAACTGCACCGATTCCA	Q559@
4	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*12A002*	3R	*Nup358*	*CG11856*	1669A>T	50	52	AAATTGCAAATCCAGCGTGAGGTGTATGACTCCTC	K557@
5	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*12A021*	3L	*ago*	*CG15010*	3272C>T	120	47	CCACTGACCACTCTGTTGAGAAATTCGTCAACAAT	G1091D
5	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*12C001*	3L	*sti*	*CG10522*	2881G>A	103	50	GCTCGGCCTTTTCCCATTGGCGGTGCTCCTTGAGGA	Q961@
6	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*12C004*	3R	*Surf6*	*CG4510*	112G>A	58	48	GATAGAACTTTTTGGTGATGGCGGGCAGGTCCTCC	Q38@
6	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*12C005*	3R	*lbe*	*CG6545*	85G>A	96	45	GCGTGGGCAGCGGGCTGGGGGCTCCGCCCACGGA	Q29@
7	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*12C011*	3R	*Scm*	*CG9495*	2404 G>A	24	50	GCGACCGCAGATGTGAGTTTGCCAAAGCAGAAGT	Q802@
7	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*12C042*	3L	*Pka-R1*	*CG42341*	124G>T	34	24	GCCACCACCCACCATCATCATCAGCATCAGCAGAA	A42S
							22A>T	31	19	ACGCTGGAGGAGCAGAGCCTGCGGGAGTGCGAA	T8S
8	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*01P030*	2R	*pea*	*CG8241*	2240C>T	50	60	CACAGTACTTCTTCAAGGCGCCAATCTTCACAATTC	S747L
8	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*03F047*	2R	*Prp8*	*CG8877*	4689C>T	64	47	CCAGAAAAGACCCTCCCACGTGGGGAAGTAGGTG	W1563@
9	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*03P028*	2R	*jhl-1*	*CG3298*	2125G>A	39	62	GCATATCCTCATCACTCGGTAATCGCGGGCACTTA	Q709@
9	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*03P016*	2							
10	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*05P009*	2L	*brat*	*CG10719*	940C>T	51	29	CAACAACAACAGCAGCAGCAACAGCAGCAGCGA	Q314@
10	GATC Biotech	Illumina HiSeq 2000, Unpaired 100 bp, 30-50 M reads	*03F083*	2L	*CycE*	*CG3938*	829G>A	49	47	GCTGGCTGCAGCCGGAGGAGGCTGGAGAAATTGT	Q277@
11	GeneWhiz	Illumina HiSeq 2000, Unpaired 50 bp, 50-80 M reads	*05P024*	2L	*CycE*	*CG3938*	1513G>A	29	62	GCGGGTAGATAAAGGCATCGTCCGCCTCCGCGCTC	Q505@
11	GeneWhiz	Illumina HiSeq 2000, Unpaired 50 bp, 50-80 M reads	*08P011*	3							
12	GeneWhiz	Illumina HiSeq 2000, Unpaired 50 bp, 50-80 M reads	*05P024*	2L	*CycE*	*CG3938*	see 11			see 11	see 11
12	GeneWhiz	Illumina HiSeq 2000, Unpaired 50 bp, 50-80 M reads	*13A023*	3L	*mop*	*CG9311*	2446G>A	34	44	GCTGTTGCTGCTGATACATGGGATTCGTGTAGCCG	Q816@
	PCR, Sanger Seq										
13	GATC Biotech		*08C065*	3	*Sce*	*CG5595*	1315C>T			CAGCAGTTGGTTATCCTGAATGGCAACCAGACGT	Q401>@