

Table S1. Primer sequences for amplification of *KIT* exons

Target <i>KIT</i>	Primer	Sequence	Product length	Annealing temperature
Exon 1	KIT_Ex1_F	5'-CAACACAGGGGAGGAGATGAAGG-3'	1090	63°C
	KIT_Ex1_R	5'-AAAAGCCTCTCCAACCTTGCCCT-3'		
Exon 2	KIT_Ex2_F	5'-TGCATACCAAGTGTGACCCTCAG-3'	709	62°C
	KIT_Ex2_R	5'-AGTATCAGAGCCTTGACAGACCTG-3'		
Exon 3	KIT_Ex3_F	5'-AGCAGCCATTTGAGTCACTAGGG-3'	575	62°C
	KIT_Ex3_R	5'-GTGGGGCTGGGACTGTGAAATAA-3'		
Exon 4	KIT_Ex4_F	5'-GTCCAGGAGCATTAGAACCTCACA-3'	525	62°C
	KIT_Ex4_R	5'-GTTCCACCTCACAGACACACCAG-3'		
Exon 5	KIT_Ex5_F	5'-TGGGTGAGAACAGTGGGATGAGT-3'	959	63°C
	KIT_Ex5_R	5'-TTTGTGTTTGGTGGGGAGGGG-3'		
Exon 6	KIT_Ex6_F	5'-CCTGGGTCTGGGTATAGGCTAACT-3'	664	63°C
	KIT_Ex6_R	5'-CCCCAACTCCCTTCCATAGCAG-3'		
Exon 7	KIT_Ex7_F	5'-CAAAATTGACCTTGCTGCTCGGG-3'	775	63°C
	KIT_Ex7_R	5'-CGTCTACAAGGTCACGTGGTCAG-3'		
Exon 8	KIT_Ex8_F	5'-GTTTGACCCCTCACATCCACCTC-3'	649	63°C
	KIT_Ex8_R	5'-TACAGCTGCATTTCCACACACA-3'		
Exon 9	KIT_Ex9_F	5'-GCTTTCCTCCTGCATGCTTTTCC-3'	798	62°C
	KIT_Ex9_R	5'-TGACAGTAGAACGCAATGCAGGT-3'		
Exon 10	KIT_Ex10_F	5'-GGGTTTCCGTGATTGTGGTGAAG-3'	646	62°C
	KIT_Ex10_R	5'-GTAAGTGGCAGTGATGGTGAGGG-3'		
Exon 11	KIT_Ex11_F	5'-ATCCATCCCCCACTCTGTTCAC-3'	693	62°C
	KIT_Ex11_R	5'-TGAGCATCTTCACAGCAACAGTCA-3'		
Exon 12 + Exon 13	KIT_Ex12/13_F	5'-GGAACCCAGTAGCTTCCTTTGT-3'	712	62°C
	KIT_Ex12/13_R	5'-ATCCCACCCACGATGAGAAAAC-3'		
Exon 14	KIT_Ex14_F	5'-CACCTGGCCCCTAATCTCTCAGA-3'	706	63°C
	KIT_Ex14_R	5'-GAATGACACCAAGAGCGGAACCA-3'		
Exon 15	KIT_Ex15_F	5'-CCATCTAGCTCCTGGGGATTGGA-3'	710	63°C
	KIT_Ex15_R	5'-TAACGGATGTGAACTTGCAGGCA-3'		
Exon 16	KIT_Ex16_F	5'-TTCAACACCCACCTTTCCTCACA-3'	615	62°C
	KIT_Ex16_R	5'-GCACTGCAACTACATGAGGTACCT-3'		
Exon 17	KIT_Ex17_F	5'-CTGCCCTTAAGTGTGTTGGTGA-3'	868	63°C
	KIT_Ex17_R	5'-TTCTGTTTCTTTCACGTGCCCCA-3'		
Exon 18	KIT_Ex18_F	5'-GGGTGTTTTCTAAAGCTGCCAA-3'	849	62°C
	KIT_Ex18_R	5'-AGAAGGAAACACATCTTGGCCCT-3'		
Exon 19	KIT_Ex19_F	5'-CCTGTGAAATGGATGGCACCTGA-3'	740	63°C
	KIT_Ex19_R	5'-ACGATCTGCTTGAATGTTGCCT-3'		
Exon 20	KIT_Ex20_F	5'-CACCTGCTGAAATGTAAGGGCCA-3'	689	63°C
	KIT_Ex20_R	5'-TCCCTCCTCATCCAAATCCTT-3'		
Exon 21	KIT_Ex21_F	5'-TTGGGTTTTGGCTGTGGTCTTGT-3'	571	63°C
	KIT_Ex21_R	5'-TTGGAAAGGACTCGGGGTGTCTA-3'		