

Drosophila Primers for Quantitative RT-PCR

Veronika Sander 2009

Gene		Fwd primer	Rev primer	Product size (bp)	Comments
Sog	Short gastrulation	GAGCGAACCAATCACTCACTC	CAAGTTCATTGCTGCCAC	216	
Scw	Screw	GATTAGCGAGGACCAAGAGC	CTCAAATCCACTGGCACATC	215	
Dpp	Decapentaplegic	GCTACCAGGTGCTTGCTACG	GTCTGGTGTCCAACAGCAG	84	
Srw	Shrew	GGCGTAAATGAGAGCAGTG	GCTGACAAGGGATTTCAAT	80	
Rp49	Ribosomal protein	TACAGGCCCAAGATCGTGAA	TCTCCTTGCCTTCTTGGA		LaLonde <i>et al.</i> , 2006
CV2	Crossveinless 2	GTATGAGAGTGGCTCGGAGTG	CGTGGTGGCTGTAAGTGGTTG	131	
Tsg	Twisted gastrulation	GATTGGAGACATTGAAGGAGTG	CATAGATCACGGTGCATAGGG	198	
Msh	Muscle segment homeobox	CAGCGAGCATGACAGTTACAG	GGACTCAGGTTGGTCAGGTTAC	182	
Ind	Intermediate neuroblasts defective	TGGATTCAGCAACTACGAAGG	CGGAGAGCAGGAGGACTCG	245	
Vnd	Ventral nervous system defective	GATAGCACCTCCCCAGTTACC	CCGACCGGCTGTAGCTCTTG	104	
SoxN_a	Sox Neuro	GCTAAACGGTAGTGGAGGC	CGTCTGGTACATCGCATAAC	244	
SoxN_b	Sox Neuro	CGGTTTCGTGTCGTATCGTATC	CTTTTCCCTGGCTGTATGATG	139	5' region
SoxN_c	Sox Neuro	CATGGAATCGGATATGAAAAGG	GTGATGATGGTGGTTGTGATG	175	coding region
Brk	Brinker	GCCAGGAAATACAACATTCAC	CCGATTGCTGTGGGAGTAG	163	
Abda	Abdominal a	CAGACCTACACTCGCTTCCAG	CGGCTCGTAACTCCTTCTTC	172	
AbdB	Abdominal B	GCCTACAACGACGAGGGATTG	CTGCGTTTCTGGGTAAGGATAG	~90	
Dfd	Deformed	CGGAGTATGTGCAATCCAAG	GCGGTCATCGAATAGTGTC	245	
Kr	Krueppel	CCTTTAGGTAGTGGCAAGCAC	GCTGATCTCGGTCTGAAACTC	119	
Syt_a	Synaptotagmin	CGCCAGGAAGAACAAGTTATG	GTGGTTAGGCTTCGATTTG	219	
Syt_b	Synaptotagmin	GTGGAATCAACAACACGGAG	GACGACGAGGAACAGAGTATG	178	
Syt_c	Synaptotagmin	GCTAACCGTCGTCATCCT	GTAAGGGTTGAGGGTGC	153	splice variant D
Zen	Zerknuell	CAGTTCACCAGGCTAAAGTCG	GGGGTTGGAGTTCATCTGATTG	137	
Std	Stardust	CAGTCCAGTAGTTCGGTTTGC	GATTCAGCATCACCATTTCC	243	
Crb	Crumbs	CACGGAATGCTTGAACAACG	GTTTGTCTCACAGTGCTGAC	100	
Wg	Wingless	GATTATCCGCAGTCTGGTC	CTATTATGCTTGCCTCCCTG	198	triple peaks

Grh	Grainyhead	GGTCCAGGGCAAGTATGAG	CAGAGGGGATTGTGGGTAAC	245	
Sgg	Shaggy	CCTCTCCGCAACTCTCTTCG	CTCGTCCGCCATTCTATTACC	185	
Svb	Shavenbaby	CTATTGAACTTCGCCAGTGTTTC	GACCACCATTGTTGTTGTTGTTG	101	
Arm	Armadillo	GGCTATTTGCTCACACACCAT	TTCCATTTTCGTTTACGTGGG	147	
Mad	Mothers against Dpp	GATGAGTGC GTGTGAGTG	CTTAGCTCGCTGTCCATTTTC	248	
Hh	Hedgehog	GAGATGGAATCCTGGAAGAGC	GTGGGTTTTTGATTTGTGGTG	158	
En	Engrailed	CCATCTCCAACATCCTGAGC	CTCCAGCAGATCCACTCTTG	150	
GAL4	Yeast GAL4	GGATGCTCTTCATGGATTTG	CAACATCATTAGCGTCGGTGAG	300	
Sens_a	Senseless	CCGAAAAGGAGCATGAACTC	CGCTGTTGCTGTGGTGTACT	280	
Sens_b	Senseless	ATCGCAGGGTAACATCATCTG	CGCTCATACTGAACTTTCG	145	
Ac	Achaete	CGACGACGAGGAGTCATCTTC	GCAAGCGCCGTATGTACTCT	237	
Sc	Scute	CGCCAACATCATCATTCAAC	TCCAAAATCTCCTCGTCGTC	208	
Ase	Asense	CACCTACCAACTGCTGACG	GCTGCTGCTGCTAATGTTG		
Vg	Vestigial	CCAGGGACAGGCTCAATATCT	TGCCATACAAGTCGCTAACCT	236	
Omb	Optomotor blind	ACGGACTGGAGGTTCAACA	ATGGTGCGAGTG TAGATGG	201	
Elav	Elav	CAACGATACGCAGACGAAAGG	GTCCATTGGGCAGCATTAC	299	
Dll_b	Distalless	CTCCTACTCCGGCTACCATC	ACCAGATTTTCACCTGCGTTT	269	
Sal_a	Spalt	CAAGGAGGATTTGGAGGATTC	TCCGTAACCAGGCTGATATTG	418	
Sal_b	Spalt	CACTGGACAGGGTGGAGTTAG	GATCCGACAGGACTTCCGTAA	128	
Sd	Scalloped	GTGGATAGCAAAAACCTGGATG	CACTTGGATGTGCGAACTGAC	262	
Ming	Ming/Castor	CTGAGCAAGAAGGACGACATC	TGGTAGTGGGTCTGTTCCAG	155	