

Insertion	Accession	GFP pattern	Stage	Nearest gene	Position	Expression	Homo
HG2A	AB353972	Myotome	24 hpf	AB247645 (chot1)*	intron	myotome*	viable
HG3A	AB353973	Skin	24 hpf	AB303423 (cyp2e2)*	intron	skin*	viable
HG6A	AB353974	Myotome	24 hpf	AB303424 (ide)*	intron	myotome*	viable
HG6B	AB353975	Head, myotome	24 hpf	AB247646 (soxlz)*	intron	myotome*	viable
HG6C	AB353976	Notochord	24 hpf	AB303425 (uros)*	intron	ventral mesoderm*	viable
HG6D	AB353977	Myotome	24 hpf	AB303426 (asb1)*	intron	whole body (weak)*	viable
HG9B	AB353978	Cells on the skin	24 hpf	ENSDARG00000063017 (TTLL4 homolog)	exon	whole body (weak)*	viable
HG9C	AB353979	Cranial ganglia	24 hpf	NA			viable
HG10A	AB353980	Forebrain, myotome	24 hpf	zgc:76938 (fancl)	exon	NA	viable
HG10B	AB353981	Cells on the skin	24 hpf	AB303427 (ripk2)*	intron	whole body (weak)*	viable
HG10C	AB353982	Whole body	24 hpf	NA			viable
HG21A	AB353983	Myotome	24 hpf	AB247647 (lmo7)*	intron	myotome*	viable
HG21B	AB353987	Otic vesicle, myotome	24 hpf	AB247648 (novel gene)*	intron	otic vesicle*	viable
HG21C	AB353984	Fin folds	24 hpf	AB303428 (tcf7)*	exon	fin folds*	fin defects
HG21E	AB353985	Forebrain, eye	24 hpf	zgc:92692 (crystallin homolog)	15 kb downstream	NA	viable
HG21K	AB353986	Spinal cord	24 hpf	ENSDARG00000062396 (novel gene)	7.5 kb downstream	NA	viable
HGn6A	AB353988	Whole body	26 hpf	NA			viable
HGn8E	AB353989	Heart	24 hpf	ENSDARG00000054207 (sialyltransferase homolog)	intron	NA	viable
HGn8H	AB353990	CNS	24 hpf	AB354736 (synbl)	intron	whole body*	lethal
HGn12B	AB353991	Otic vesicle	25 hpf	zgc:65749 (unknown)	2 kb upstream	NA	viable
HGn12C	AB353992	Pretectum	30 hpf	NA			viable
HGn12F	AB353993	Brain, lens	day 3	NA			ND
HGn12H	AB353994	Brain	day 5	ENSDARG00000027887 (zfyve21)	47 kb downstream	whole body, brain	ND
HGn12J	AB353995	Floor plate	24 hpf	zgc:66419 (hook homolog)	45 kb upstream	NA	viable
HGn14C	AB353996	Myotome and lens	36 hpf	NA			viable
HGn15A	AB353997	Notochord	24 hpf	ENSDARG00000005333 (tln1)	intron	notochord	viable
HGn15B	AB353998	Whole body	24 hpf	ENSDARG00000061750 (sphingomyelin synthase homolog)	7.7 kb upstream	NA	ND
HGn16A	AB353999	Forebrain, hindbrain, myotome	24 hpf	NA			viable
HGn20A	AB354000	Forebrain, MHB	36 hpf	zgc:158431 (unknown)	56 kb upstream	NA	ND
HGn20B	AB354001	Hindbrain	36 hpf	NA			ND
HGn20C	AB354002	Midbrain	24 hpf	ENSDARG00000015243 (novel gene)	21 kb upstream	NA	ND
HGn20D	AB354003	Tectum	25 hpf	zgc:55390 (ampd3)	112 kb upstream	blood, epidermis	ND
HGn20E	AB354004	Pectoral fin	48 hpf	zgc:136669 (egfl7)	intron	NA	ND
HGn21A	AB354005	Notochord	24 hpf	ENSDARG00000007356 (fgf20a)	1.7 kb upstream	NA	viable
HGn22A	AB354006	Eye, myotome	26 hpf	zgc:86646 (rcn3)	3.8 kb upstream	head, notochord	viable
HGn23A	AB354007	Nose, lens	day 3	NA			ND
HGn25A	AB354008	Neural tube	24 hpf	ENSDARG00000071496 (zic6)*	57 kb downstream	NA	viable
HGn25B	AB354009	Otic vesicle	26 hpf	ENSDARG00000032868 (PDE homolog)	46 kb upstream	—	viable
HGn25C	AB354010	Forebrain	24 hpf	ENSDARG00000039495 (unknown)	210 kb upstream	NA	viable
HGn25D	AB354011	Law, lens, heart	day 3	NA			ND
HGn26A	AB354012	Myotome, skin	34 hpf	NA			viable
HGn26B	AB354013	Eye, forebrain, tectum	25 hpf	NA			viable
HGn28A	AB354014	Otic vesicle, arches, skin	24 hpf	ENSDARG00000016526 (gata3)	26 kb downstream	otic vesicle, arches, etc	viable
HGn30A	AB354015	Hatching gland	24 hpf	NA			viable
HGn31A	AB354016	Forebrain, hindbrain, spinal cord	24 hpf	NA			ND
HGn31B	AB354017	Cranial ganglis, spinal cord	26 hpf	ENSDARG00000023288 (novel gene)	103 kb downstream	NA	ND

HGn32A	AB354018	Hindbrain	33 hpf	NA				viable
HGn32B	AB354019	Midbrain	26 hpf	ENSDARG00000039412 (dmrta2)*	36 kb downstream	NA		viable
HGn34A	AB354020	Myotome, fin folds	24 hpf	ENSDARG00000003217 (unknown)	17 kb downstream	NA		ND
HGn34B	AB354021	CNS, eye	24 hpf	ENSDARG00000006837 (mycn)	17 kb downstream	brain		viable
HGn36A	AB354022	Neurons	36 hpf	ENSDARG00000021733 (unknown)	5.1 kb downstream	NA		viable
HGn39B	AB354023	Heart, myotome	24 hpf	zgc:136821 (ahsa1)	intron	myotome		viable
HGn39C	AB354024	Whole body	24 hpf	NA				viable
HGn39D	AB354025	Lateral line, lens	day 5	ENSDARG00000063251 (unknown)	0.6 kb upstream	NA		viable
HGn42A	AB354026	Eye	24 hpf	ENSDARG00000054327 (novel gene)	20 kb upstream	NA		viable
HGn42D	AB354027	Myotome	day 5	ENSDARG00000060236 (dok7)	intron	NA		viable
HGn43A	AB354028	Forebrain	26 hpf	ENSDARG00000061191 (novel gene)	intron	NA		viable
HGn44B	AB354029	Hindbrain, spinal cord	31 hpf	ENSDARG00000005783 (ncan)	intron	NA		ND
HGn44E	AB354030	Myotome	31 hpf	NA				ND
HGn46C	AB354031	Telencephalon	25 hpf	zgc:56483 (vrk2)	0.5 kb upstream	NA		viable
HGn46E	AB354032	Notochord	30 hpf	NA				viable
HGn46F	AB354033	Myotome, yolk	30 hpf	ENSDARG00000057057 (novel gene)	61 kb upstream	NA		viable
HGn50A	AB354034	Forebrain	26 hpf	NA				ND
HGn50B	AB354035	Epiphysis, nose	25 hpf	ENSDARG00000053026 (kinesin homolog)	intron	NA		viable
HGn50D	AB354037	Yolk	24 hpf	NA				viable
HGn50E	AB354036	Brain, lens	day 5	NA				viable
HGn50G	AB354038	Myotome, fin folds	36 hpf	ENSDARG00000062126 (unknown)	12 kb upstream	NA		viable
HGn53D	AB354039	Fin folds	24 hpf	ENSDARG00000011512 (novel gene)	intron	NA		viable
HGn54A	AB354040	Hatching gland	34 hpf	ENSDARG00000057975 (PLC)	9 kb downstream	NA		ND
HGn54B	AB354041	Cells on the skin	24 hpf	ENSDARG00000040059 (gbp)	19 kb upstream	whole body, CNS		ND
HGn62A	AB354042	Skin	33 hpf	NA				viable
HGn62B	AB354043	Hatching gland	25 hpf	zgc:112012 (semaphorin homolog)	172 kb upstream	rhombomeres, etc		viable
HGn63B	AB354044	CNS	27 hpf	ENSDARG00000061139 (G-protein coupled receptor homolog)	21 kb downstream	NA		ND

NA in the nearest gene column: not applicable as the cloned sequence was not mapped on the genome.

NA in the pattern column: expression patterns revealed by whole-mount in situ pattern are not available.

ND in the homo column: the phenotypes of homozygous embryos have not been determined.

\*Cloning of cDNA and in situ hybridization were performed in this study.