

Ens84	Common name	Scientific name	Abbreviation	Assembly Ensembl	Assembly NCBI
	Anole lizard	Anolis carolinensis	Aca	AnoCar2.0	AnoCar2.0
	Amphioxus	Branchiostoma floridae	Bfl		GCA_000003815.1 Version 2
	Ciona intestinalis	Ciona intestinalis	Cin	KH	KH
	Ciona savignyi	Ciona savignyi	Csa	CSAV 2.0	
	Caenorhabditis elegans	Caenorhabditis elegans	Cel	WBcel235	
	Chicken	Gallus gallus	Gga	GallGal4	
	Chinese softshell turtle	Pelodiscus sinensis	Psi	PelSin_1.0	PelSin_1.0
	Coelacanth	Latimeria chalumnae	Lch	LatCha1	LatCha1
	Fruitfly	Drosophila melanogaster	Dme	BDGP6	
	Fugu	Takifugu rubripes	Tru		FUGU5
	Human	Homo sapiens	Hsa	GRCh38.p5	
	Medaka	Oryzias latipes	Ola	HdrR	ASM223467v1
	Spotted gar	Lepisosteus oculatus	Loc	LepOcu1	LepOcu1
	Stickleback	Gasterosteus aculeatus	Gac	BROAD S1	
	Zebrafish	Danio rerio	Dre	GRCz10	GRCz11

Species	HGNC_ZFIN or FlyBase name	Chromosome/scaffold locations	Ensembl ID or NCBI accession number	Transcript ID	Assigned taxa ID	Comments/Annotation notes
Human	CELF3	1: 151.70m	ENSG00000159409	ENST00000290583	Hsa_1_CELF3	
	CELF4	18: 37.24m	ENSG00000101489	ENST00000591287	Hsa_18_CELF4	
	CELF6	15: 72.28m	ENSG00000140488	ENST00000287202	Hsa_15_CELF6	
	CELF5	19: 3.22m	ENSG00000161082	ENST00000292672	Hsa_19_CELF5	
Chicken		25: 2.14m	ENSGALG00000028478	ENSGALT00000043304	Gga_25	manually edited
		Z: 6.63m	ENSGALG00000002413	ENSGALT00000003800	Gga_Z	
		10: 1107.49k	ENSGALG00000001966	ENSGALT00000040113	Gga_10	
		Z8: 1233.71k	ENSGALG000000026716	ENSGALT00000045397	Gga_Z8	
Coelacanth		JH128320.1: 45.68k	ENSLACG000000002301	ENSLACT000000002596	Lch_scaffoldJH128320	
		JH128258.1: 312.52k	ENSLACG000000007987	ENSLACT000000009115	Lch_scaffoldJH128258	
		JH129506.1: 164.25k	ENSLACG000000005363	ENSLACT000000006094	Lch_scaffoldJH129506	manually edited
Spotted gar		LG24: 4.86m	ENSLOCG00000006518	ENSLOCT000000007880	Loc_LG24	manually edited
		LG2: 12.58m	ENSLOCG00000004792	ENSLOCT000000005762	Loc_LG2	
		LG19: 7.90m	ENSLOCG000000005481	ENSLOCT000000006618	Loc_LG19	
		LG3: 56.45m	ENSLOCG000000015141	ENSLOCT000000018667	Loc_LG3	
Zebrafish	cell5b	2: 51.87m	XP_017206586.1		Dre_2_cell5b	
	cell3b	16: 1306.50k	ENSXDARG000000006983	ENSXDART000000024206	Dre_16_cell3b	
	cell3a	19: 8.90m	ENSXDARG000000034668	ENSXDART000000039629	Dre_19_cell3a	
	sidkey-205h23.2	18: 786.70k	ENSXDARG000000101933	ENSXDART000000161203	Dre_18_cell6	assigned gene name in this study: cell6
	cell4	21: 11.99m	ENSXDARG000000070045	ENSXDART000000131538	Dre_21_cell4	
	cell5a	22: 19.64m	ENSXDARG000000071375	ENSXDART000000093310	Dre_22_cell5a	
Stickleback		XVII: 8.33m	ENSGACG000000008752	ENSGACT000000011580	Gac_XVII	
		VIII: 16.44m	ENSGACG000000012870	ENSGACT000000017039	Gac_VIII	manually edited
		II: 16.67m	ENSGACG000000016626	ENSGACT000000021988	Gac_II	
		XX: 12.70m	ENSGACG000000011707	ENSGACT000000015524	Gac_XX	manually edited
		X: 4.45m	ENSGACG000000003274	ENSGACT000000004302	Gac_X	
Medaka		5: 16.42m	ENSORLGT000000008913	ENSORLGT000000011185	Ola_5	
		4: 8.04m	ENSORLGT000000004600	ENSORLGT000000005784	Ola_4	
		16: 15.86m		XP_011483635.1	Ola_16	apr-17
		11: 5.58m		XP_011479061.2	Ola_11	mar-17
Fugu		3: 24.50m		XP_011491518.1	Ola_3	apr-17
		12: 9.72m		XP_011607740.1	Tru_12	mar-15
		NW_004072389.1: 0.03m		XP_011617095.1	Tru_scaffoldNW004072389	mar-15
		13: 6.08m		XP_011608002.1	Tru_13	mar-15
Amphioxus		19: 10.69m		XP_003973613.1	Tru_19	mar-15
		20: 4.70m		XP_011612978.1	Tru_20	mar-15
		NW_003101356.1	XP_002588860.1: 9.50k		Bfl_scaffoldNW003101356	Oct-09, manually edited (combined)
		NW_003101356.1	XP_002588859.1: 4.99k		Bfl_scaffoldNW003101356	
Ciona intestinalis		NW_003101362.1	XP_002589327.1		Bfl_scaffoldNW003101362	oct-09
		6: 147.42k	ENSCING000000001999	ENSCINT000000004047	Cin_6	
Ciona savignyi		reflgi: 77: 2.73m	ENSCSAVG00000007538	ENSCSAVT000000012987	Csa_ref77	
Fruitfly	bru-3	3L: 13.52m	FBgn0264001	FBtr0330343	Dme_3L	
Cel		I: 11.59m	WBGene00006807	C17D12.2	Cel_I	
Hsa	CELF1	11: 47.47m	ENSG00000149187	ENST00000532048	Hsa_C1	
	CELF2	10: 11.01m	ENSG00000048740	ENST00000542579	Hsa_C2	

Species	HGNC_ZFIN or FlyBase name	Chromosome/scaffold locations	Ensembl ID or NCBI accession number	Transcript ID	Assigned taxa ID	Comments/Annotation notes
Zebrafish	novel	1: 13.24m	ENSXDARG00000078525	ENSXDART000000111026	NOCT	
	nocta	14: 47.04m	ENSXDARG00000077726	ENSXDART000000113469	NOCT	
Medaka		ultracontig115: 2.36m	ENSORLGT000000020422	ENSORLGT000000025307	NOCT	
		1: 5.08m	ENSORLGT000000002100	ENSORLGT000000002615	NOCT	
Stickleback		IV: 27.56m	ENSGACG000000019619	ENSGACT000000025984	NOCT	
		IX: 12.30m	ENSGACG000000018465	ENSGACT000000024463	NOCT	
Fugu		17: 0.03m	XP_011610705.1		NOCT	mar-15
		NW_004071950.1: 0.16m	XP_003977078.1		NOCT	mar-15

Species	HGNC_ZFIN or FlyBase name	Chromosome/scaffold locations	Ensembl ID or NCBI accession number	Transcript ID	Assigned taxa ID	Comments/Annotation notes
Zebrafish	prom1b	1: 22.02m	ENSXDARG000000034007	ENSXDART000000134719	PROM	
	prom1a	14: 47.47m	ENSXDARG000000039966	ENSXDART000000105417	PROM	
Medaka		ultracontig115: 0.20m	ENSORLGT000000020095	ENSORLGT000000024937	PROM	
		1: 23.57m	ENSORLGT000000007886	ENSORLGT000000009891	PROM	
Stickleback		IV: 2.83m	ENSGACG000000016649	ENSGACT000000022025	PROM	
		IX: 6.02m	ENSGACG000000017039	ENSGACT000000022550	PROM	
Fugu		17: 7.23m	NP_001233227.1		okt-15 PROM	
		14: 11.43m	XP_011609269.1		mar-15 PROM	

Species	HGNC_ZFIN or FlyBase name	Chromosome/scaffold locations	Ensembl ID or NCBI accession number	Transcript ID	Assigned taxa ID	Comments/Annotation notes
Human	SV2A	1: 149.90m	ENSG00000159164	ENST00000369146	Hsa_1_SV2A	
	SV2B	15: 91.10m	ENSG00000185518	ENST00000330276	Hsa_15_SV2B	
	SV2C	5: 76.08m	ENSG00000122012	ENST00000502798	Hsa_5_SV2C	
Chicken		25: 0.94m	XP_015153832.1		Gga_25	jan-16
		10: 13.70m	ENSGALG000000006859	ENSGALT000000011103	Gga_10	
		Z: 23.45m	ENSGALG000000014967	ENSGALT000000032846	Gga_Z	
Coelacanth		JH126664.1: 237.84k	ENSLACG000000006807	ENSLACT000000007747	Lch_scaffoldJH126664	manually edited
		JH126750.1: 684.62k	ENSLACG000000012173	ENSLACT000000013924	Lch_scaffoldJH126750	
		JH126693.1: 5.71k	ENSLACG000000000841	ENSLACT000000000951	Lch_scaffoldJH126693	
		JH126756.1: 1560.36k	ENSLACG000000016393	ENSLACT000000018752	Lch_scaffoldJH126756	
Spotted gar		LG24: 9.15m	ENSLOCG000000009018	ENSLOCT000000011026	Loc_LG24	
		LG3: 49.90m	ENSLOCG000000014500	ENSLOCT000000017882	Loc_LG3_1	
		LG2: 14.25m	ENSLOCG000000005520	ENSLOCT000000006675	Loc_LG2	
		LG3: 55.57m	ENSLOCG000000015007	ENSLOCT000000018508	Loc_LG3_2	
Zebrafish	sv2a	16: 46.14m	ENSXDARG000000059945	ENSXDART000000083919	Dre_16_sv2a	
	sv2ba	7: 15.02m	ENSXDARG000000057427	ENSXDART000000124676	Dre_7_sv2ba	
	sv2bb	25: 10.94m	ENSXDARG000000060711	ENSXDART000000154748	Dre_25_2_sv2bb	
	sv2c	5: 45.39m	ENSXDARG000000059997	ENSXDART000000084024	Dre_5_sv2ca	manually edited. Assigned gene name in this study: sv2ca
	novel	21: 1.80m	XP_017208324.1		Dre_21_sv2cb	Jun-17, manually edited. Assigned gene name in this study: sv2cb
	sv2	25: 5.92m	ENSXDARG000000091833	ENSXDART000000128816	Dre_25_1_sv2	

Stickleback	II: 4.62m	ENSGACG00000014764	ENSGACT00000019549	Gac_II	
	XX: 15.77m	ENSGACG00000013181	ENSGACT00000017468	Gac_XX	<i>manually edited</i>
	X: 5.29m	ENSGACG00000003844	ENSGACT00000005089	Gac_X	
	XIII: 9.83m	ENSGACG00000010037	ENSGACT00000013318	Gac_XIII	
	XIV: 0.83m	ENSGACG00000015751	ENSGACT00000020829	Gac_XIV	<i>manually edited</i>
Medaka	6: 22.43m	ENSORLG00000014644	ENSORLT00000018352	Ola_6	
	3: 31.65m	ENSORLG00000014648	ENSORLT00000018366	Ola_3	
	16: 26.71m		XP_020566108.1	Ola_16	maj-17
	11: 6.25m	ENSORLG00000003092	ENSORLT00000003856	Ola_11	<i>manually edited</i>
	9: 13.71m	ENSORLG00000009453	ENSORLT00000011851	Ola_9	<i>manually edited</i>
	12: 2.36m		XP_020563136.1	Ola_12	maj-17
Fugu	21: 13.23m		XP_003975088.1	Tru_21	mar-15
	6: 5.66m		XP_003965377.1	Tru_6	mar-15
	12: 2.74m		XP_003968963.1	Tru_12	mar-15
	7: 1.70m		XP_003965731.1	Tru_7	mar-15
	13: 2.84m		XP_003969490.1	Tru_13	mar-15
	9: 9.53m		XP_011605726.1	Tru_9	mar-15
Amphioxus	NW_003101517.1: 0.69m		XP_002605503.1	Bfl_scaffoldNW003101517	oct-09. <i>Manually edited</i> , sequences combined.
	NW_003101517.1: 0.67m		XP_002605502.1	Bfl_scaffoldNW003101517	
Ciona intestinalis	14: 2.46m	ENSCING00000000453	ENSCINT00000000831	Cin_14	
Ciona savignyi	reflig_76: 2.07m	ENSCSAVG00000008201	ENSCSAVT00000014155	Csa_ref76	
Fruitfly	X: 6.72m	FBgn0029896	FBtr0070985	Dme_X	
Human	SVOPL	7: 138.59m	ENSG00000157703	ENST00000419765	Hsa_7_SVOPL
Chicken		1: 56.51m	ENSGALG00000012812	ENSGALT00000020903	Gga_1
Spotted gar		LG8: 46.34m	ENSLOC00000016932	ENSLOCT00000020969	Loc_LG8
Human	SVOP	12: 108.91m	ENSG00000166111	ENST00000610966	Hsa_12_SVOP
Chicken		15: 6.61m	ENSGALG00000004970	ENSGALT00000007970	Gga_15
Spotted gar		LG20: 6.17m	ENSLOC00000004555	ENSLOCT00000005455	Loc_LG20