Table 2. Summary of LTR and non-LTR families analyzed in this study. Columns provide information on: sub-class (LTR or non-LTR), number of copies in alignment, total size of ORF sequence in alignment, total amount of genomic sequence surveyed, number of unique substitutions in first, second and third codon positions, total number of unique substitutions (including number in regions of overlapping ORFs), p-value that point substitutions occur at equal rates across codon positions, and status as a pseudogene-like (ψ) family.

Sub-class	Family	n	Fragment (bp)	Total bp Surveyed	1st	2nd	3rd	Total Point Sub.	P (Ho)	ψ
LTR	*17.6*	11	5,833	61,024	18	22	19	61 (2)	0.806	Y
	297	40	5,758	185,361	142	121	211	479 (5)	4.89E-07	N
	3S18	6	4,824	22,218	94	92	171	357	3.68E-08	N
	412	24	4,979	117,021	5	7	8	21 (1)	0.704	Y
	blood	22	4,871	107,165	4	6	8	19 (1)	0.512	Y
	Burdock	13	4,556	36,689	0	1	1	2	0.606	Y
	copia	28	4,230	117,442	10	7	18	35	0.062	Y
	diver	9	5,244	47,066	8	4	4	16	0.369	Y
	flea	16	4,002	57,149	8	6	9	23	0.737	Y
	gtwin	4	4,041	13,591	5	6	21	32	5.36E-04	N
	HMS-Beagle	10	4,523	42,735	0	0	5	5	6.75E-03	N
	Idefix	5	5,772	19,118	34	35	62	138 (7)	2.45E-03	N
	invader2	6	4,413	21,910	66	73	76	215	0.649	Y
	invader3	6	4,710	16,205	16	14	37	67	6.53E-04	N
	mdg1	13	4,925	64,026	1	4	10	15	1.49E-02	N
	mdg3	10	4,908	50,010	8	5	8	21	0.650	Y
	micropia	4	4,023	10,481	7	5	5	17	0.794	Y
	opus	16	4,406	57,453	4	6	1	12 (1)	0.178	Y
	Quasimodo	7	5,628	37,095	8	4	19	33 (2)	2.72E-03	N
	roo	86	7,458	632,098	118	111	120	349	0.789	Y
	rover	3	5,201	15,958	3	2	4	9	0.717	Y
	springer	7	5,984	34,742	105	60	272	438 (1)	3.85E-39	N
	Stalker	4	4,862	15,650	2	3	6	11	0.307	Y

	Stalker2	8	4,889	46,055	0	0	5	5	6.73E-03	N
	Tabor	3	4,949	10,713	2	1	1	4	0.780	Y
	Tirant	20	6,102	117,349	8	8	18	34	0.053	Y
	Transpac	4	4,172	16,689	1	0	1	2	0.606	Y
	All LTR	385		1,973,013	677	603	1,120	2,420 (20)	2.18E-44	N
	ψ LTR	279		1,491,867	272	267	307	851 (5)	0.159	Y
non-LTR	*baggins*	6	1,801	6,257	71	55	53	179	0.179	Y
	BS	15	4,625	36,932	53	54	66	173	0.359	Y
	Cr1a	36	3,860	43,592	440	426	412	1,301 (23)	0.733	Y
	Doc	53	4,364	192,348	40	38	55	133	0.132	Y
	Doc3	7	3,526	9,458	37	40	40	117	0.935	Y
	F-element	41	4,370	135,266	109	81	187	377	7.79E-12	N
	G2	12	2,700	16,779	25	25	49	99	1.43E-03	N
	G4	10	1,165	5,204	35	34	33	102	0.968	Y
	G5	8	2,879	5,807	13	8	14	35	0.405	Y
	Helena	7	1,317	4,670	56	52	67	175	0.295	Y
	I-element	21	4,959	68,396	98	89	171	358	1.07E-08	N
	Ivk	6	5,004	24,594	89	110	153	352	7.05E-05	N
	jockey	68	4,454	107,209	23	13	31	67	2.61E-02	N
	jockey2	7	1,288	4,335	42	37	33	112	0.562	Y
	Juan	9	3,805	28,145	4	2	8	14	0.135	Y
	R1-element	7	4,409	16,729	35	28	55	118	3.14E-03	N
	Rt1a	13	4,417	33,035	103	107	171	383 (2)	3.13E-06	N
	Rt1b	28	4,444	57,522	189	163	230	585 (3)	2.38E-04	N
	X-element	23	4,232	40,541	53	62	89	204	2.26E-03	N
	All non-LTR	377		836,819	1,515	1,424	1,917	4,884 (28)	3.56E-24	N
	ψ non-LTR	158		336,748	791	746	781	2,341 (23)	0.192	Y
Grand Total		762		2,809,832	2,192	2,027	3,037	7,304 (48)	5.18E-61	N
Total ψ		437		1,828,615	1,063	1,013	1,088	3,192 (28)	0.060	Y