

**Table S1 Summary of changes in gene and transcript annotations at FlyBase and WormBase over the past six years.**

FlyBase release	r5.3	r5.6	r5.16	r5.26	r5.34	r5.44	r5.50
Date	2007- Aug	2008- Mar	2009- Mar	2010- Mar	2011- Mar	2012- Mar	2013- Mar
All genes	15096	15089	15073	14721	15183	15569	16093
Genes added (compared with r5.50)	2929	2833	2414	2148	1348	722	NA
Genes retired (compared with r5.50)	1932	1829	1394	776	588	371	NA
Genes with different genome location (compared with r5.50)	10487	10508	9985	9372	8811	7728	NA
All transcripts	21707	21984	22661	22938	24523	27055	30933
Transcripts added (compared with r5.50)	13674	13211	11572	10447	8395	5195	NA
Transcripts retired (compared with r5.50)	4498	4262	3300	2452	2124	1498	NA
Transcripts with different sequence (compared with r5.50)	13730	14040	14098	13665	13471	12889	NA
Transcripts with different CDS sequence (compared with r5.50)	47	4	2	1	0	1	NA
Genes with any transcript changes (compared with r5.50)	10095	10200	10016	9613	9247	8258	NA
WormBase release	WS170	WS190	WS200	WS212	WS225	WS230	WS237
Date	2007- Feb	2008- May	2009- Mar	2010- Mar	2011- Apr	2012- Mar	2013- Apr
All transcripts	27322	27417	27687	28278	30745	31249	28983
Transcripts added (compared with WS237)	8574	7128	6672	5538	4483	2928	NA
Transcripts retired (compared with WS237)	6913	5562	5376	4833	6245	5194	NA
Transcripts with different CDS sequence (compared with WS237)	3162	2440	2048	1603	1077	618	NA