

**Table S6.** Abundance of DNA transposon subclasses in Tfree 1.0 and Tcas5.2 genome assemblies expressed as total number of specific element (graphical representation is given at the Figure 6C).

<b>Class</b>	<b>Subclass</b>	<b>Tfree1.0</b>	<b>Tcas5.2</b>	<b>Difference</b>
DNA transposon	Academ-1	940	573	367
DNA transposon	CMC-Chapaev-3	973	125	848
DNA transposon	CMC-EnSpm	41	12	29
DNA transposon	CMC-Transib	356	98	258
DNA transposon	Crypton	421	221	200
DNA transposon	Crypton-I	710	301	409
DNA transposon	Crypton-V	6	7	-1
DNA transposon	Ginger-1	3	3	0
DNA transposon	Ginger-2	11	4	7
DNA transposon	IS3EU	9086	3074	6012
DNA transposon	Kolobok-E	2469	901	1568
DNA transposon	Kolobok-Hydra	52	142	-90
DNA transposon	Kolobok-T2	16	3	13
DNA transposon	Kolobok-T2?	5	2	3
DNA transposon	MULE-MuDR	127	139	-12
DNA transposon	MULE-NOF	3286	1629	1657
DNA transposon	Maverick	1956	1537	419
DNA transposon	Merlin	11	7	4
DNA transposon	P	247	84	163
DNA transposon	PIF-Harbinger	54	15	39
DNA transposon	PIF-ISL2EU	36	2	34
DNA transposon	PIF-Spy	29	16	13
DNA transposon	PiggyBac	93	71	22
DNA transposon	Sola-1	70	8	62
DNA transposon	Sola-2	47	49	-2
DNA transposon	Sola-3	1	4	-3
DNA transposon	TcMar	47	40	7
DNA transposon	TcMar-Fot1	64	17	47
DNA transposon	TcMar-Mariner	602	325	277
DNA transposon	TcMar-Pogo	33	81	-48
DNA transposon	TcMar-Tc1	14387	10970	3417
DNA transposon	TcMar-Tc1?	574	608	-34
DNA transposon	TcMar-Tc4	61	20	41
DNA transposon	TcMar-Tigger	227	918	-691
DNA transposon	TcMar-m44	215	49	166
DNA transposon	TcMar?	3	2	1
DNA transposon	Zator	4	2	2
DNA transposon	hAT	7	3	4
DNA transposon	hAT-Ac	531	79	452
DNA transposon	hAT-Blackjack	97	71	26
DNA transposon	hAT-Charlie	123	55	68
DNA transposon	hAT-Pegasus	6	3	3
DNA transposon	hAT-Tag1	148	1	147
DNA transposon	hAT-Tip100	759	198	561
DNA transposon	hAT-hAT19	111	47	64
DNA transposon	hAT-hAT19?	1	1	0
DNA transposon	hAT-hATm	25	24	1
DNA transposon	hAT-hobo	33	18	15