

Gene ID	TRIM	Reference Seq	Accession No.	Source	Structure	Subgroup
11043	TRIM1	NM_052817	BC017707	OB:MHS1010-58431	R BB1 BB2 CC COS FN3 SPRY	1
23321	TRIM2	NM_015271	BC011052	OB:MHS1010-7429489	R BB2 CC FIL NHL	7
10612	TRIM3	NM_033278	AF045239	Reymond <i>et. al.</i> 2001*	R BB2 CC FIL NHL	7
89122	TRIM4	NM_033091	AF220024	Reymond <i>et. al.</i> 2001*	R BB2 CC SPRY	4
85363	TRIM5	NM_033034	BC021258	Stremlau <i>et. al.</i> 2004	R BB2 CC SPRY	4
117854	TRIM6	NM_058166	BC065575	Reymond <i>et. al.</i> 2001*	R BB2 CC PRY SPRY	4
81603	TRIM8	NM_030912	BC021925	Reymond <i>et. al.</i> 2001*	R BB1 BB2 CC	5
114088	TRIM9	NM_015163	AF220037	Reymond <i>et. al.</i> 2001*	R BB1 BB2 CC COS FN3 SPRY	1
81559	TRIM11	NM_145214	BC069227	OB:MHS1011-98054040**	R BB2 CC PRY SPRY	4
10206	TRIM13	NM_005798	BI905976	OB:EHS1001-7517987	R BB2 CC TM	11
9830	TRIM14	NM_014788	AF220130	Reymond <i>et. al.</i> 2001*	BB2 CC PRY SPRY	UC
89870	TRIM15	NM_033229	BC038585	OB:MHS1010-7508596	R BB2 CC PRY SPRY	4
10626	TRIM16	NM_006470	BC015674	Gift from Sébastien Nisole	BB1 BB2 CC PRY SPRY	UC
51127	TRIM17	NM_001024940	BC033788	Gift from Sébastien Nisole	R BB2 CC PRY SPRY	4
4281	TRIM18	NM_033291	BC053626	OB: MHS1010-9205608	R BB1 BB2 CC COS FN3 PRY SPRY	1
5371	TRIM19	NM_033249	AF230411	Reymond <i>et. al.</i> 2001* (PML3)	R BB1 BB2 CC	5
4210	TRIM20	NM_000243	AF018080	Reymond <i>et. al.</i> 2001*	PYR BB2 CC PRY SPRY	UC
6737	TRIM21	NM_003141	BC010861	OB:MHS1010-73808	R BB2 CC PRY SPRY	4
10346	TRIM22	NM_006074	BC035582	cDNA	R BB2 CC SPRY	4
373	TRIM23	NM_006074	BC035582	Reymond <i>et. al.</i> 2001*	R BB1 BB2 CC ARF	9
7706	TRIM25	NM_005082	BC016924	cDNA	R CC PRY SPRY	4
7726	TRIM26	NM_003449	BC032297	OB:MHS1010-7507981	R BB2 CC PRY SPRY	4
5987	TRIM27	NM_009054	BC013580	OB:MHS1010-73801	R BB2 CC PRY SPRY	4
10155	TRIM28	NM_005762	BC052986	OB:MHS1010-9205415	R BB1 BB2 CC PHD BROMO	6
23650	TRIM29	NM_012101	AF230388	Reymond <i>et. al.</i> 2001*	BB2 CC	UC
11074	TRIM31	NM_007028	BC017017	OB:MHS1010-74233	R BB2 CC	5
22954	TRIM32	NM_012210	BC003154	Reymond <i>et. al.</i> 2001*	R BB2 CC NHL	7
53840	TRIM34	NM_021616	BC140722	cDNA	R BB2 CC SPRY	4
23087	TRIM35	NM_015066	BC018337	OB:MHS1010-73500	R BB2 CC PRY SPRY	4
4591	TRIM37	NM_001005207	BC036012	Gift from Sébastien Nisole	R BB2 CC MATH	8
10475	TRIM38	NM_006355	BC026930	OB:MHS1010-7429568	R BB2 CC PRY SPRY	4
56658	TRIM39	NM_021253	BC034985	OB:MHS1010-7295937**	R BB2 CC PRY SPRY	4
135644	TRIM40	NM_138700	BC060785	OB:MHS1010-9204128 **	R BB2 CC	5
90933	TRIM41	NM_033549	BC018765	OB:MHS1011-76931**	R BB2 CC PRY SPRY	4
129868	TRIM43	NM_138800	BC015353	OB:MHS1010-74174	R BB2 CC SPRY	4
54765	TRIM44	NM_017583	BC013166	OB:MHS1010-58247	BB2 CC	UC
609318	TRIM45	NM_025188	BC034943	OB:MHS1010-7295468**	R BB1 BB2 CC FIL	10
80128	TRIM46	NM_025058	BC069416	OB:MHS1768-9143936**	R BB2 CC COS FN3 SPRY	1
91107	TRIM47	NM_033452	BC017304	OB:MHS1011-76759**	R BB2 CC PRY	4
84767	TRIM51	NM_032681	BC005014	OB:MHS1011-60710**	R BB2	UC
84851	TRIM52	NM_032765	BC007372	Gift from Sébastien Nisole	R BB	5
55223	TRIM62	NM_018207	BC012152	OB:MHS1011-75791**	R BB2 CC PRY SPRY	4
55128	TRIM68	NM_018073	BC075058	Gift from Sébastien Nisole	R BB2 CC PRY SPRY	4
574288	Rh5	NM_001032910	AY523632	Stremlau <i>et. al.</i> 2004	R BB2 CC SPRY	4

Table S1 Details of TRIM proteins included in the study. All TRIM expression constructs obtained from Reymond et al 2001, Sebastian Nisole and cDNA were in pcDNA3. The cDNA was from mix of RNA samples obtained from PRR agonist-stimulated THP-1, PBMC derived macrophages and dendritic cells. Constructs from Open Biosystems (OB: Catalog number) were in or cloned into pCMVSPORT6 (**). The subgroup column denotes the assigned class [1-11 or unclassified (UC)] for each TRIM based on classification carried out by Short and Cox 2003. Key: Rh, *Macaca mulatta*; R, Really interesting new gene domain; BB, Bbox 1 and 2; PRY/SPRY, SPIa/Ryanodine domain; BROMO, Bromodomain; CC, Predicted Coiled Coil domain; COS, C-terminal subgroup one signature; FN3, Fibronectin III like domain; FIL, Filamin-type immunoglobulin domain; MATH, Meprin and TRAF homology domain; NHL, NHL repeat; PHD, Plant homeodomain; TM, Transmembrane domain; PYR, pyrin; ARF, ADP ribosylation factor like.

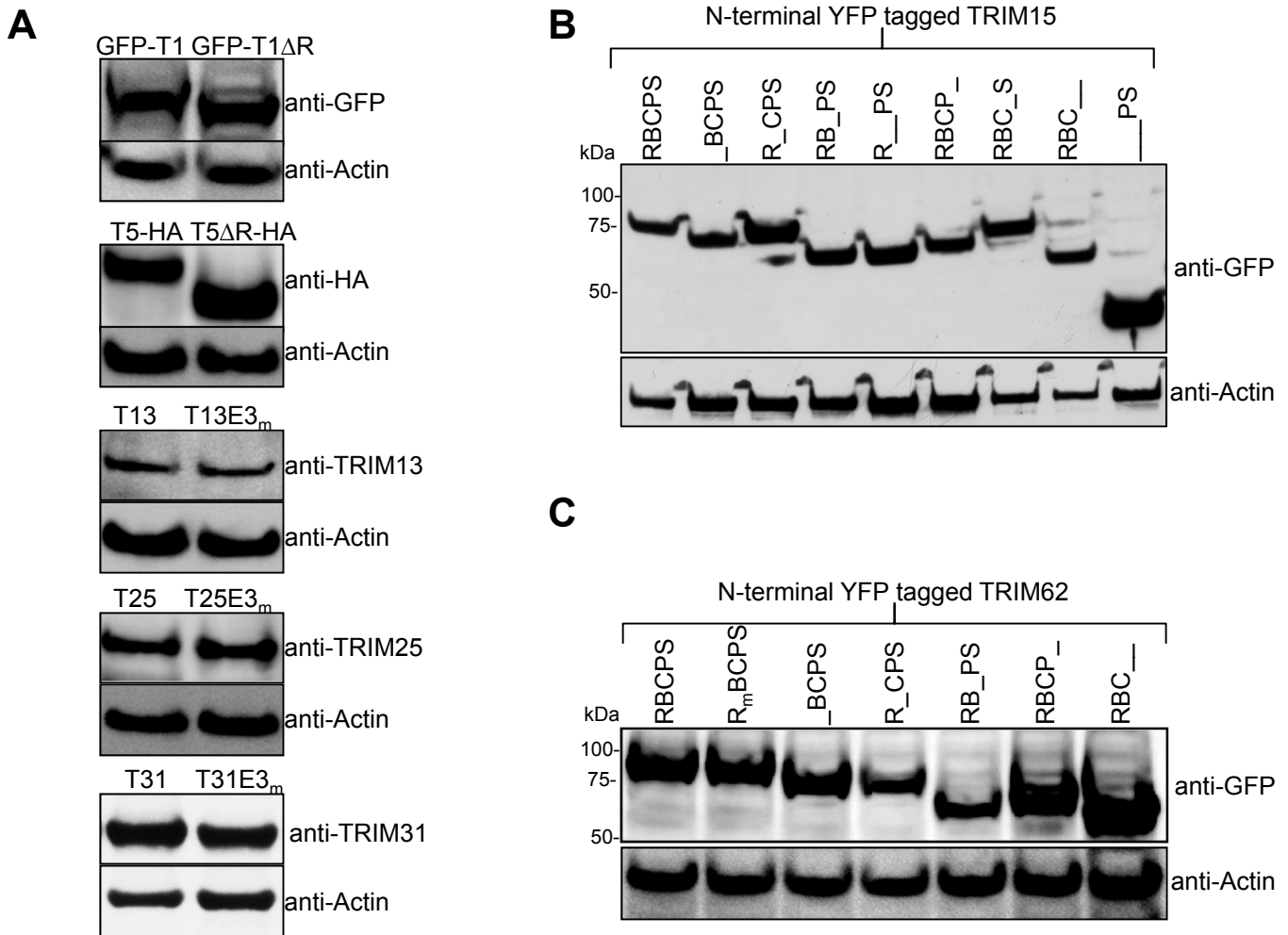


FIG S1 Expression analysis of TRIM proteins and their derivatives. (A) Western blot analysis of HEK293 cell lysates expressing indicated tagged or untagged TRIM proteins and their RING domain deleted (Δ R) or E3 mutant (E3_m) versions 24 h post transfection with 50 ng of TRIM expression constructs using specified antibodies. Western blot analysis of HEK293 cell lysates expressing N-terminal YFP tagged versions of TRIM15 (B) and TRIM62 (C), 24 h post transfection with 50 ng of TRIM expression constructs using specified antibodies. R, B, C, P and S represent the RING, B-Box, Coiled coil, PRY and SPRY domains. The E3 ligase inactive mutant (C11A/C14A) is denoted as R_m. Actin was used as loading control.

Supplementary References

1. **Reymond, A., G. Meroni, A. Fantozzi, G. Merla, S. Cairo, L. Luzi, D. Riganelli, E. Zanaria, S. Messali, S. Cainarca, A. Guffanti, S. Minucci, P. G. Pelicci, and A. Ballabio.** 2001. The tripartite motif family identifies cell compartments. *Embo J* **20**:2140-2151.
2. **Short, K. M., and T. C. Cox.** 2006. Subclassification of the RBCC/TRIM superfamily reveals a novel motif necessary for microtubule binding. *J Biol Chem* **281**:8970-8980.
3. **Stremlau, M., C. M. Owens, M. J. Perron, M. Kiessling, P. Autissier, and J. Sodroski.** 2004. The cytoplasmic body component TRIM5alpha restricts HIV-1 infection in Old World monkeys. *Nature* **427**:848-853.