

**Supplementary Table 2:** Modifications to SMART structures of Rho-GEFs in Figure 1.

Gene Name	Features changed from SMART	Accession used in SMART query	Reference
Arhgef2/Lfc/GEF-H1	N/A	ARHG2_MOUSE (Q60875)	(1)
Arhgef7/ $\beta$ -Pix	1. Addition of C-terminal PDZ-binding motif to $\beta$ 1-Pix isoform	$\beta$ 1-Pix: NP_059098.2 (GenBank FASTA) $\beta$ 2-Pix: EDL22084.1 (GenBank FASTA)	(2)
Arhgef9/Collybistin	1. Collybistin-I isoform of <i>Arhgef9</i> gene 2. Addition of missing C-terminal coiled-coil motif	ARHG9_MOUSE (Q3UTH8)	(3)
Bcr	1. Addition of C-terminal PDZ-binding motif	BCR_MOUSE (Q6PAJ1)	(4)
Itsn1/Intersectin-L	1. Intersectin-L isoform of <i>Itsn1</i> gene	ITSN1_MOUSE (Q9Z0R4)	(5)
Kalrn	1. Kalirin7 isoform of <i>Kalrn</i> gene 2. Addition of 2 spectrin-like repeats; bring total to 9 3. Addition of C-terminal PDZ-binding motif	A2CG53_MOUSE (A2CG53)	(6)
Ngef/Ephexin1	N/A	NGEF_MOUSE (Q8CHT1)	(7)
Rasgrf2	1. Addition of C-terminal PDZ-binding motif	P70392_MOUSE (P70392)	(8)
Tiam1	1. Addition of C-terminal PDZ-binding motif	TIAM1_MOUSE (Q60610)	(9)
Trio	1. Trio9S isoform of <i>Trio</i> gene 2. Addition of 3 spectrin-like repeats; bring total to 9	TRIO_MOUSE (Q0KL02-3)	(10)

### References

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