

Supplement Fig. 1. Conservation of RGD motif across species. Alignment was achieved using the progressive multiple sequence alignment program, DNASTar/MagAlign. The RGDRGD motifs in NH₂-propeptides from different species are in bold and boxed. The Gene bank/EMBL accession numbers for the amino acid sequences (in one-letter code) are: human, NM000088; dog, NP571367; chicken, NP989757; horse, AAB05773; rat, NP037061; xenopus, NP989220; Zebrafish, ABC59719.

	exon 5	exon 6	exon 7
human	GPKGPPGPQGPAGEQGP	RGDRGD	KGEKGAPGPRGRDGEP
dog	GPKGPPGPQGPAGEQGP	RGDRGD	KGEKGAPGPRGRDGEP
horse	GPKGPPGPQGPAGEQGP	RGDRGD	KGEKGAPGPRGRDGEP
rat	GPKGPPGPQGPAGEQGP	RGDRGD	KG ERGAPGPRGRDGEP
chicken	GPRGPPGPQGPAGEQGQ	RGDRGE	KGEKGAPGPRGRDGEP
xenopus	GPRGPPGPQGPSGEQGS	RG ERGD	KGEKGAPGPRGRDGEP
zebrafish	GPRGPAGPMGPPGEQGT	RG ERGA	KGEKGSPGPRGRDGEP