

Table S1A. Sequences of Wif-1 and Shf used in the phylogenetic analysis.							
WIF domain corresponds to Pfam PF02019 and EGF domains correspond to Pfam PF07974							
Species	NCBI accession	WD	EGF 1	EGF 2	EGF 3	EGF 4	EGF 5
Chordates		Position of each domain in the amino acid sequence					
Danio rerio	NP_571304.1	36-171	180-207	212-239	244-271	276-303	308-335
Gallus gallus	NP_001186536.1	33-172	181-208	213-240	244-272	277-304	309-336
Homo sapiens	NP_009122.2	38-173	182-209	214-241	246-273	278-305	310-337
Mus musculus	NP_036045.1	38-173	182-209	214-241	246-273	278-305	310-337
Ornithorhynchus anatinus	XP_001510408.2	280-411	420-447	452-479	483-511	516-543	548-575
Xenopus laevis	NP_001084220.1	33-168	172-204	209-236	241-268	273-300	305-332
Arthropods		Position of each domain in the amino acid sequence					
Anopheles gambiae	XP_311028.4	49-186	207-236	241-268	273-300	304-332	339-368
Drosophila melanogaster	NP_572349.1	119-261	283-310	315-342	347-374	378-406	411-440
Ixodes scapularis	XP_002401034.1	1-87	absent	82-109	112-141	146-173	184-216
Nasonia vitripennis	XP_001606619.1	44-181	absent	201-233	237-265	269-297	304-335
Tribolium castaneum	XP_967866.1	41-178	178-214	219-246	249-278	283-310	319-347