Analysis performed: 200804\_132149
Analyzed sequences (hits resulting from 714 blast searches, 51 animal groups x 14 query sequences):68459 (out of which unique: 8056, programmatically recognized as VEGF/PDGF family members: 90.0%).
The tree background color indicates the presence of the proteins with the corresponding color according to our hypotheses.
The red-to-white background of the table indicates a heuristic reliability of the results, where a brighter color indicates a higher reliability. This is calculated using the number of fully sequenced genomes, the number of species in the phylum and the number of protein sequences available for that phylum.
The numbers in the table denote the number of: orthologs found (black), P = paralogs found, ? = homologs found, whose relationship could not be programmatically determined, ∑ = total homologs found.

						npl. # unique blasthits nes (excl. false pos.)		PDGF-A	PDGF-B	PDGF-C	PDGF-D	PIGF-1	VEGF-A121	VEGF-A165	VEGF-A206	VEGF-B167	VEGF-B186	VEGF-C	VEGF-D	VEGF-E	VEGF-F
					969 4 29k 6	0 (0) 8 (-6)	ctenophora (comb jellies) porifera (sponges)											1 P0, ?7, ∑8	0 P1, ?1, ∑2		
	<b>—</b>				23k 2	0 (0)	pomera (sponges) placozoa											, ., <u>_</u>	· - / · - / <u>2</u> -		
	<u> </u>				404k 43		cnidaria (medusae/polyps)	0 P6, ?4, ∑10	1 P3, ?1, ∑5	0 P1, ?0, ∑1		0 P2, ?2, <u>∑</u> 4	0 P8, ?12, ∑20	1 P11, ?15, ∑27	0 P6, ?13, ∑19	0 P13, ?16, ∑29	0 P6, ?1, ∑7	16 P1, ?56, ∑73	1 P11, ?25, ∑37	o P2, ?34, ∑36	0 P3, ?1, ∑4
				153	830 2	2 (-12)	xenacoelomorpha										o P0, ?1, ∑1		0 P0, ?1, ∑1		
				1825	181k 24	38 (24)	* echinodermata	0 P7, ?1, ∑8	0 P7, ?0, ∑7	0 P13, ?1, ∑14	0 P12, ?1, ∑13	0 P10, ?3, ∑13	4 P2, ?9, ∑15	4 P4, ?13, ∑21	4 P2, ?9, ∑15	0 P12, ?11, ∑23	0 P12, ?11, <u>∑</u> 23	3 P8, ?24, ∑35	1 P13, ?10, ∑24	0 P5, ?7, ∑12	0 P8, ?2, ∑10
				41	22k 2	8 (-7)	hemichordata (acorn wormws)	0 P2, ?0, ∑2	0 P2, ?0, ∑2	0 P2, ?1, ∑3	0 P2, ?0, ∑2	0 P1, ?0, ∑1	0 P1, ?2, ∑3	0 P1, ?1, ∑2	0 P1, ?1, ∑2	0 P2, ?1, ∑3	0 P2, ?2, ∑4	2 P1, ?1, ∑4	0 P3, ?1, ∑4	0 P2, ?1, ∑3	0 P2, ?0, ∑2
				11	62k 6	11 (-3)	cephalochordata (lancelets)	0 P6, ?1, ∑7	0 P6, ?1, ∑7	0 P5, ?1, ∑6	0 P5, ?1, ∑6	0 P5, ?0, ∑5	1 P5, ?1, ∑7	1 P5, ?1, ∑7	1 P5, ?1, ∑7	0 P6, ?2, ∑8	0 P6, ?1, ∑7	5 P1, ?4, ∑10	0 P6, ?1, ∑7	0 P3, ?4, ∑7	0 P6, ?1, ∑7
				369	63k 16	2 (-12)	tunicata tunicata	0 P1, ?0, ∑1	0 P1, ?0, ∑1			0 P1, ?1, ∑2	1 PO, ?O, ∑1	1 P0, ?0, ∑1	1 P0, ?0, ∑1	0 P1, ?0, ∑1	0 P1, ?0, ∑1	0 P1, ?0, ∑1	0 P1, ?0, ∑1	0 P1, ?0, ∑1	0 P1, ?0, ∑1
			<del>-</del>	82	37k 6	68 (54)	cyclostomata (hagfish/lamprey)	3 P15, ?0, ∑18	0 P18, ?0, ∑18	1 P8, ?0, ∑9	0 P6, ?0, ∑6	0 P17, ?0, ∑17	13 P5, ?0, ∑18	13 P5, ?0, ∑18	13 P4, ?0, ∑17	0 P17, ?0, ∑17	0 P18, ?0, ∑18	1 P17, ?50, ∑68	0 P18, ?0, ∑18	0 P17, ?0, ∑17	0 P17, ?0, ∑17
		Lo			173k 13		chondrichthyes (cartilaginous fishes)														
							actinopterygii (ray-finned fishes)						662 P829, ?248, ∑1739								
					30k 2		coelacanthimorpha (lobe-finned fishes)	1 P15, ?0, ∑16	2 P12, ?0, ∑14		2 P4, ?0, ∑6	2 P12, ?0, ∑14		3 P11, ?0, ∑14	3 P11, ?0, ∑14	3 P14, ?0, ∑17	3 P14, ?1, ∑18	2 P15, ?0, ∑17	1 P16, ?0, ∑17	0 P14, ?0, ∑14	0 P14, ?0, ∑14
					693 0		dipnoi (lungfishes)	1 P3, ?0, ∑4	1 P3, ?0, Σ4		0 P4, 70, Σ4	0 P4, ?0, Σ4	2 P2, ?0, Σ4		2 P2, ?0, ∑4	0 P4, ?0, ∑4	0 P4, 70, Σ4	0 P4, 70, Σ4	0 P4, ?0, ∑4	0 P4, ?0, Σ4	0 P4, ?2, Σ6
							amphibia	26 P77, ?1, ∑104	17 P87, ?0, ∑104		6 P20, ?0, ∑26	0 P86, ?5, ∑91		28 P41, ?5, ∑74	28 P48, ?5, ∑81	9 P92, ?1, ∑102	9 P97, ?3, ∑109	9 P96, ?1, ∑106	8 P95, ?1, ∑104		4 P96, ?1, ∑101
				<b>-</b> 0			aves (birds)  crocodylia (crocodiles)	145 P383, ?5, ∑533	131 P543, ?5, ∑679	108 P530, ?0, ∑638 4 P35, ?0, ∑39	190 P348, ?0, ∑538	134 P566, ?3, ∑703 7 P46, ?0, ∑53		192 P395, ?4, ∑591 17 P35, ?0, ∑52	192 P393, ?4, ∑589 17 P29, ?0, ∑46	0 P822, ?7, ∑829 0 P57 ?0 ∑57	0 P924, ?7, ∑931	155 P811, ?3, ∑969	112 P891, ?3, ∑1006 8 P55, ?0, ∑63	0 P830, ?7, ∑837	1 P831, ?7, ∑839 0 P53 20 ∑53
					141k 8		crocodylia (crocodiles)  lepidosauria (lizards & snakes)	7 P46, ?0, ∑53 18 P190, ?0, ∑208	5 P52, ?0, ∑57 20 P180, ?0, ∑200	4 P35, ?0, ∑39 14 P128, ?0, ∑142	6 P21, ?0, Σ27 20 P41, ?0, Σ61	7 P46, ₹0, ∑33 22 P167, ?31, ∑220		91 P76, ?31, ∑198	91 P79, ?31, ∑201	0 P57, ?0, ∑57 12 P188, ?26, ∑226	0 P63, ?0, ∑63 12 P203, ?26, ∑241	9 P54, ?0, ∑63 21 P195, ?29, ∑245	9 P212, ?23, ∑244	0 P53, ?0, ∑53 0 P197, ?26, ∑223	0 P53, ?0, ∑53 28 P179, ?7, ∑214
							testudines (turtles)	14 P97, ?1, ∑112	11 P100, ?1, ∑112		22 P27, ?0, ∑49	13 P93, ?2, ∑108		38 P56, ?2, ∑96	38 P58, ?2, ∑98	13 P98, ?1, ∑112	13 P127, ?4, ∑144	12 P132, ?2, ∑146	11 P134, ?1, ∑146	0 P105, ?8, ∑113	1 P110, ?1, ∑112
			L- <b>0</b>		36k 4		monotremata (egg-laying mammals)	2 P15, ?0, ∑17	1 P12, ?0, ∑13	3 P12, ?0, ∑15	4 P10, ?0, ∑14	1 P10, ?0, ∑11		1 P13, ?0, ∑14	1 P13, ?0, ∑14	0 P14, ?0, ∑14	0 P18, ?0, ∑18	4 P14, ?0, ∑18	2 P16, ?0, ∑18	0 P11, ?0, ∑11	0 P11, ?0, ∑11
					154k 15		metatheria (marsupials)	9 P35, ?0, ∑44	6 P35, ?0, ∑41	4 P34, ?0, ∑38	10 P13, ?0, ∑23	6 P34, ?0, Σ40	5 P39, ?0, Σ44	5 P24, ?0, ∑29	5 P24, ?0, ∑29	5 P38, ?0, ∑43	5 P49, ?0, ∑54	4 P50, ?0, ∑54	5 P49, ?0, ∑54	0 P36, ?0, ∑36	0 P40, ?0, ∑40
			L_0				eutheria (placentals)	298 P850, ?11, ∑1159	232 P909, ?15, ∑1156	221 P651, ?2, ∑874	258 P456, ?0, ∑714	298 P1452, ?12, ∑1762					301 P1730, ?13, ∑2044	199 P1615, ?12, ∑1826	203 P1799, ?12, ∑2014	0 P1913, ?16, <b>∑</b> 1929	0 P1829, ?13, ∑1842
		<b></b>					tardigrada (water bears)	0 P1, ?3, ∑4		0 P2, ?0, ∑2	0 P1, ?0, ∑1		0 P0, ?4, ∑4					0 P2, ?2, <u>∑</u> 4		o P3, ?1, ∑4	0 P2, ?1, ∑3
				96	1k 1	0 (0)	onychophora (velvet worms)														
				223	1k 0	0 (0)	pycnogonida (sea spiders)														
				11020	912k 42	95 (81)	arachnida (spiders)	2 P21, ?6, ∑29	0 P26, ?4, ∑30	0 P23, ?2, ∑25	0 P7, ?2, ∑9	2 P25, ?25, ∑52	17 P8, ?28, ∑53	19 P8, ?26, ∑53	17 P8, ?22, <u>∑</u> 47	0 P38, ?18, ∑56	0 P36, ?18, ∑54	1 P17, ?21, ∑39	1 P17, ?5, ∑23	0 P18, ?34, ∑52	1 P33, ?34, ∑68
				5	32k 5	22 (8)	xiphosura (horseshoe crabs)	0 P6, ?3, ∑9	0 P6, ?1, ∑7	0 P7, ?3, ∑10	0 P3, ?2, ∑5	0 P7, ?10, ∑17	7 P0, ?11, ∑18	7 P0, ?11, ∑18	7 P0, ?11, ∑18	0 P7, ?11, ∑18	0 P7, ?11, ∑18	0 P7, ?4, ∑11	0 P2, ?0, ∑2	o P6, ?11, ∑17	0 P7, ?11, ∑18
				1150	8k 1	1 (-13)	myriapoda (millipeds)										0 P0, ?1, <u>Σ</u> 1				
				11723	1M 45	68 (54)	crustacea	0 P14, ?14, ∑28	0 P16, ?12, ∑28	1 P7, ?7, ∑15	0 P6, ?9, ∑15	0 P8, ?11, ∑19	5 P8, ?18, ∑31	6 P8, ?21, ∑35	5 P7, ?14, ∑26	2 P12, ?29, ∑43	2 P10, ?28, ∑40	3 P9, ?16, ∑28	1 P9, ?11, ∑21	0 P6, ?29, ∑35	2 P10, ?16, ∑28
					6M 797		hexapoda (insects)	20 P91, ?138, ∑249	4 P105, ?131, ∑240	1 P45, ?37, ∑83	2 P23, ?17, <u>∑</u> 42	3 P63, ?160, ∑226	62 P60, ?177, ∑299	75 P72, ?231, ∑378	48 P45, ?140, ∑233	5 P134, ?212, ∑351	5 P110, ?180, ∑295	19 P23, ?106, ∑148	4 P42, ?57, ∑103	0 P37, ?269, ∑306	4 P114, ?279, ∑397
					225 0		nematomorpha (horsehair worms)														
					1M 194		nematoda (roundworms)	0 P0, ?35, ∑35	0 P0, ?11, ∑11					• D1 20 E1		0 P1, ?22, ∑23	0 P0, ?21, ∑21	0 P0, ?4, ∑4	0 P0, ?2, ∑2	- D1 20 E1	0 P0, ?24, ∑24
					19k 1		priapulida (penis worms)	1 P0, ?0, ∑1	0 P1, ?0, ∑1					0 P1, ?0, ∑1		0 P1, ?0, ∑1	0 P1, ?0, ∑1	0 P1, ?0, ∑1		0 P1, ?0, ∑1	0 P1, ?0, ∑1
					1 0 96 0		loricifera  kinorhyncha (mud dragons)														
					96 0 1k 0		chaetognatha (arrow worms)														
		-0			1k 2		bryozoa (moss animals)										0 P0, ?1, Σ1				
					123 0		entoprocta												0 P0, ?1, ∑1		
					38 0		cycliophora (symbion)														
				3616	79k 8	6 (-8)	annelida (segmented worms)	o Po, ?3, ∑3	0 P2, ?2, <u>Σ</u> 4	0 P1, ?1, ∑2	0 P1, ?1, ∑2	0 P1, ?2, ∑3	0 P0, ?3, ∑3	0 P0, ?3, ∑3	0 P0, ?3, ∑3	0 P1, ?2, ∑3	0 P1, ?1, <u>Σ</u> 2	0 P0, ?3, ∑3	0 P1, ?1, ∑2	0 P1, ?1, <u>Σ</u> 2	0 P1, ?2, ∑3
				14931	630k 55	32 (18)	mollusca	1 P5, ?6, ∑12	0 P8, ?0, ∑8	0 P5, ?3, ∑8	0 P1, ?4, ∑5	0 P2, ?1, ∑3	2 P3, ?9, ∑14	2 P3, ?9, ∑14	2 P3, ?5, ∑10	0 P10, ?6, ∑16	0 P5, ?6, ∑11	0 P2, ?16, ∑18	1 P7, ?4, ∑12	0 P9, ?6, ∑15	0 P10, ?4, ∑14
				272	2k 1	0 (0)	nemertea (ribbon worms)														
				86	35k 1	5 (-10)	hrachiopoda (lamp shells)	0 P1, ?0, ∑1	0 P1, ?0, ∑1	0 P0, ?1, ∑1	0 P1, ?0, ∑1		0 P1, ?0, ∑1	0 P1, ?0, ∑1	0 P1, ?0, ∑1	0 P1, ?1, ∑2	0 P1, ?0, ∑1	0 P1, ?2, ∑3	1 PO, ?O, ∑1	0 P1, ?0, ∑1	0 P1, ?0, ∑1
				13	182 1	0 (0)	phoroniformea (horseshoe worms)														
		-0		134	271 0		gastrotricha (hairybacks)														
					616k 55		platyhelminthes (flatworms)														
					50 0		gnathostomulida (jaw worms)														
					2 0		micrognathozoa													- P1 - 0.0 - F-1	
					60k 19		rotifera (wheel animals)	1 P0, ?0, ∑1	0 P1, ?0, ∑1	0 P1, ?1, ∑2		0 P1, ?0, ∑1		0 P1, ?0, ∑1		0 P1, ?0, ∑1	0 P1, ?1, ∑2	0 P1, ?0, ∑1	0 P1, ?0, ∑1	0 P1, ?0, ∑1	0 P1, ?0, ∑1
					9k 1		orthonectida											0 P0, ?1, ∑1			
				24	161 1	0 (0)	dicyemida														