

Table S1. The numbers and percentages of three kinds of factors in all 65 species in AnimalTFDB 2.0.

<b>Species</b>	<b>Lineages</b>	<b>Protein coding gene</b>	<b>TF</b>	<b>Percentage</b>	<b>TF family</b>	<b>Co-factor</b>	<b>Percentage</b>	<b>CRF</b>	<b>Percentage</b>
<i>Ailuropoda melanoleuca</i>	Laurasiatheria	19343	1187	6.14%	67	372	1.92%	115	0.59%
<i>Anas platyrhynchos</i>	Birds & Reptiles	15634	776	4.96%	66	292	1.87%	88	0.56%
<i>Anolis carolinensis</i>	Birds & Reptiles	18596	1467	7.89%	65	322	1.73%	105	0.56%
<i>Astyanax mexicanus</i>	Fishes	23042	1490	6.47%	68	311	1.35%	95	0.41%
<i>Bos taurus</i>	Laurasiatheria	19994	1280	6.40%	67	378	1.89%	121	0.61%
<i>Caenorhabditis elegans</i>	Other Eukaryotes	20541	706	3.44%	56	130	0.63%	40	0.19%
<i>Callithrix jacchus</i>	Primates	20978	1386	6.61%	67	376	1.79%	121	0.58%
<i>Canis familiaris</i>	Laurasiatheria	19856	1279	6.44%	67	378	1.90%	121	0.61%
<i>Cavia porcellus</i>	Rodents	18673	1043	5.59%	67	374	2.00%	114	0.61%
<i>Choloepus hoffmanni</i>	Xenarthra	12393	717	5.79%	61	277	2.24%	75	0.61%
<i>Ciona intestinalis</i>	Other Chordates	16658	444	2.67%	62	156	0.94%	41	0.25%
<i>Ciona savignyi</i>	Other Chordates	11616	393	3.38%	54	132	1.14%	40	0.34%
<i>Danio rerio</i>	Fishes	26457	2345	8.86%	67	315	1.19%	100	0.38%
<i>Dasyopus novemcinctus</i>	Xenarthra	22711	1406	6.19%	67	361	1.59%	105	0.46%
<i>Dipodomys ordii</i>	Rodents	15798	851	5.39%	66	354	2.24%	112	0.71%
<i>Drosophila melanogaster</i>	Other Eukaryotes	13937	604	4.33%	62	160	1.15%	53	0.38%
<i>Echinops telfairi</i>	Afrotheria	16575	979	5.91%	63	331	2.00%	106	0.64%
<i>Equus caballus</i>	Laurasiatheria	20449	1224	5.99%	67	365	1.78%	112	0.55%
<i>Erinaceus europaeus</i>	Laurasiatheria	14601	735	5.03%	62	292	2.00%	104	0.71%
<i>Felis catus</i>	Laurasiatheria	19493	1116	5.73%	67	370	1.90%	118	0.61%
<i>Ficedula albicollis</i>	Birds & Reptiles	15303	835	5.46%	67	323	2.11%	97	0.63%
<i>Gadus morhua</i>	Fishes	20095	1206	6.00%	66	285	1.42%	92	0.46%
<i>Gallus gallus</i>	Birds & Reptiles	15508	858	5.53%	67	329	2.12%	98	0.63%
<i>Gasterosteus aculeatus</i>	Fishes	20787	1216	5.85%	66	311	1.50%	99	0.48%
<i>Gorilla gorilla</i>	Primates	20962	1416	6.76%	67	385	1.84%	116	0.55%

<i>Homo sapiens</i>	Primates	22810	1691	7.41%	68	462	2.03%	155	0.68%
<i>Ictidomys tridecemlineatus</i>	Rodents	18826	1120	5.95%	66	332	1.76%	98	0.52%
<i>Latimeria chalumnae</i>	Fishes	19569	1079	5.51%	66	327	1.67%	91	0.47%
<i>Lepisosteus oculatus</i>	Fishes	18341	1098	5.99%	68	323	1.76%	91	0.50%
<i>Loxodonta africana</i>	Afrotheria	20033	1084	5.41%	67	371	1.85%	111	0.55%
<i>Macaca mulatta</i>	Primates	21905	1418	6.47%	66	378	1.73%	118	0.54%
<i>Macropus eugenii</i>	Other Mammals	15290	885	5.79%	66	333	2.18%	103	0.67%
<i>Meleagris gallopavo</i>	Birds & Reptiles	14125	707	5.01%	65	281	1.99%	84	0.59%
<i>Microcebus murinus</i>	Primates	16319	1028	6.30%	67	336	2.06%	108	0.66%
<i>Monodelphis domestica</i>	Other Mammals	21327	1541	7.23%	67	357	1.67%	110	0.52%
<i>Mus musculus</i>	Rodents	22740	1485	6.53%	67	397	1.75%	122	0.54%
<i>Mustela putorius furo</i>	Laurasiatheria	19910	1215	6.10%	67	369	1.85%	120	0.60%
<i>Myotis lucifugus</i>	Laurasiatheria	19728	1069	5.42%	67	360	1.82%	116	0.59%
<i>Nomascus leucogenys</i>	Primates	18575	1325	7.13%	67	363	1.95%	114	0.61%
<i>Ochotona princeps</i>	Rodents	16006	902	5.64%	64	338	2.11%	112	0.70%
<i>Oreochromis niloticus</i>	Fishes	21437	1463	6.82%	66	305	1.42%	104	0.49%
<i>Ornithorhynchus anatinus</i>	Other Mammals	21698	864	3.98%	64	245	1.13%	70	0.32%
<i>Oryctolagus cuniculus</i>	Rodents	19293	1147	5.95%	67	353	1.83%	109	0.56%
<i>Oryzias latipes</i>	Fishes	19699	1179	5.99%	65	282	1.43%	86	0.44%
<i>Otolemur garnettii</i>	Primates	19506	1406	7.21%	67	379	1.94%	118	0.60%
<i>Ovis aries</i>	Laurasiatheria	20921	1195	5.71%	67	374	1.79%	117	0.56%
<i>Pan troglodytes</i>	Primates	18759	1383	7.37%	66	391	2.08%	111	0.59%
<i>Pelodiscus sinensis</i>	Birds & Reptiles	18189	1102	6.06%	67	305	1.68%	95	0.52%
<i>Petromyzon marinus</i>	Other Chordates	10415	466	4.47%	54	151	1.45%	36	0.35%
<i>Pongo abelii</i>	Primates	20424	1370	6.71%	66	376	1.84%	115	0.56%
<i>Procavia capensis</i>	Afrotheria	16057	977	6.08%	65	352	2.19%	114	0.71%
<i>Pteropus vampyrus</i>	Laurasiatheria	16990	1110	6.53%	67	378	2.22%	122	0.72%
<i>Rattus norvegicus</i>	Rodents	22940	1375	5.99%	67	382	1.67%	118	0.51%
<i>Sarcophilus harrisii</i>	Other Mammals	18788	1216	6.47%	67	327	1.74%	112	0.60%
<i>Sorex araneus</i>	Laurasiatheria	13187	613	4.65%	64	284	2.15%	86	0.65%

<i>Sus scrofa</i>	Laurasiatheria	21607	1222	5.66%	66	341	1.58%	105	0.49%
<i>Taeniopygia guttata</i>	Birds & Reptiles	17488	1171	6.70%	64	303	1.73%	83	0.47%
<i>Takifugu rubripes</i>	Fishes	18523	1249	6.74%	65	303	1.64%	104	0.56%
<i>Tarsius syrichta</i>	Primates	13628	840	6.16%	64	298	2.19%	80	0.59%
<i>Tetraodon nigroviridis</i>	Fishes	19602	1286	6.56%	66	300	1.53%	89	0.45%
<i>Tupaia belangeri</i>	Rodents	15471	809	5.23%	65	308	1.99%	97	0.63%
<i>Tursiops truncatus</i>	Laurasiatheria	16550	1159	7.00%	67	377	2.28%	118	0.71%
<i>Vicugna pacos</i>	Laurasiatheria	11765	635	5.40%	64	282	2.40%	74	0.63%
<i>Xenopus tropicalis</i>	Amphibians	18442	1147	6.22%	67	339	1.84%	97	0.53%
<i>Xiphophorus maculatus</i>	Fishes	20379	1346	6.60%	67	312	1.53%	101	0.50%