**Figure 2–source data 1. A list of the identified N-glycosylation sites (NGS) in the extracellular loops of innexins in chordate species.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Taxonomic rank** | **Species** | **Innexin**  **ID** | **Database** | **Accession**  **ID** | **Predicted NGS** | | |
| **EL1** | **EL2** | |
|  |  |  |  |  |  | |  |
| **Lancelets** | *Branchiostoma belcheri* | Ce\_Bbe\_01 | LanceletDB | Bb\_087290F |  | N146 | |
|  | *Branchiostoma floridae* | Ce\_Bfl\_01 | LanceletDB | Bf\_124577 |  | N142 | |
|  | *Branchiostoma lanceolatum* | Ce\_Bla\_01 | NCBI | FLLO01000068.1 |  | N146 | |
|  | *Asymmetron lucayanum* | Ce\_Alu\_01 | NCBI | LZCU01211352.1 |  | N142 | |

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| **Tunicates** | *Ciona intestinalis* | Tu\_Cin\_01 | NCBI | XP\_026690045 | N65 N107 |  |
| Tu\_Cin\_02 | NCBI | XP\_026690071 | N67 |  |
| *Ciona robusta* | Tu\_Cro\_01 | ANISEED | KH.XM\_009860129.2 | N65 N107 |  |
| Tu\_Cro\_02 | ANISEED | KH.C4.6.v1.A.ND1-1 | N70 |  |
| *Botrylloides leachii* | Tu\_Ble\_01 | ANISEED | Boleac.CG.SB\_v3.S311.g07471.01.t | N90 |  |
| *Halocynthia aurantium* | Tu\_Hau\_01 | ANISEED | Haaura.CG.MTP2014.S63.g01470.01.t | N55 N62 N86 | N454 |
| *Halocynthia roretzi* | Tu\_Hro\_01 | ANISEED | Harore.CG.MTP2014.S25.g05288.01.t | N55 N62 | N457 |
| *Molgula oculata* | Tu\_Moc\_01 | ANISEED | Mooccu.CG.ELv1\_2.S726405.g47989.01.t | N66 N84 |  |
| *Phallusia mammillata* | Tu\_Pma\_01 | NCBI | CAB3262992.1 | N87 |  |
| *Styela clava* | Tu\_Scl\_01 | NCBI | XP\_039249658.1 | N56 N64 N84 |  |
| Tu\_Scl\_02 | NCBI | XP\_039249657.1 | N56 N64 |  |
| Tu\_Scl\_03 | NCBI | XP\_039249659.1 | N120 |  |

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| **Lampreys** | *Petromyzon marinus* | La\_Pma\_01 | NCBI | XP\_032833829.1 |  | N252 |
| *Lethenteron reissneri* | La\_Lre\_01 | NCBI | CM027349.1 | N71 | N213 |
| *Lampetra richardsoni* | La\_Lri\_01 | SIMRBASE | LPT\_00014074-RA | N71 | N248 |
| *Entosphenus tridentatus* | La\_Etr\_01 | NCBI | CM027349.1 |  | N249 |
|  |  | JAAVTP020010032.1 |  |  |
|  | JAAVTP020004907.1 |  |  |

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| **Cartilaginous fish** | *Callorhinchus milii* | Cf\_Cmi\_P1 | NCBI | Pannexin1 | XP\_007900295.1 |  | N251 |
| *Amblyraja radiata* | Cf\_Ara\_P1 | NCBI | XP\_032878304.1 |  | N252 |
| *Scyliorhinus canicula* | Cf\_Sca\_P1 | NCBI | XP\_038674454.1 |  | N252 |
| *Chiloscyllium punctatum* | Cf\_Cpu\_P1 | NCBI | GCC22356.1 |  | N252 |
| *Callorhinchus milii* | Cf\_Cmi\_P2 | NCBI | Pannexin2 | XP\_007889224.1 | N87 |  |
| *Amblyraja radiata* | Cf\_Ara\_P2 | NCBI | XP\_032895673.1 | N86 |  |
| *Scyliorhinus canicula* | Cf\_Sca\_P2 | NCBI | XP\_038667371.1 | N87 |  |
| *Chiloscyllium punctatum* | Cf\_Cpu\_P2 | NCBI | GCC35141.1 | N86 |  |
| *Callorhinchus milii* | Cf\_Cmi\_P3 | NCBI | Pannexin3 | XP\_007894201.1 | N71 |  |
| *Amblyraja radiata* | Cf\_Ara\_P3 | NCBI | XP\_032905581.1 | N71 |  |
| *Scyliorhinus canicula* | Cf\_Sca\_P3 | NCBI | XP\_038635033.1 | N71 |  |
| *Chiloscyllium punctatum* | Cf\_Cpu\_P3 | NCBI | GCC36129.1 | N71 |  |

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| **Bony fish** | *Danio rerio* | Bf\_Dre\_P1a | UniProt | Pannexin1a | Q7ZUN0 |  | N246 |
| *Sinocyclocheilus anshuiensis* | Bf\_San\_P1a | UniProt | A0A671PKT2 |  | N246 |
| *Sinocyclocheilus rhinocerous* | Bf\_Srh\_P1a | UniProt | A0A673GZZ0 |  | N246 |
| *Danionella translucida* | Bf\_Dtr\_P1a | UniProt | A0A553QQ25 |  | N245 |
| *Triplophysa tibetana* | Bf\_Tti\_P1a | UniProt | A0A5A9MZG0 |  | N244 |
| *Pygocentrus nattereri* | Bf\_Pna\_P1a | UniProt | A0A3B4E828 | N72 | N240 |
| *Electrophorus electricus* | Bf\_Eel\_P1a | UniProt | A0A4W4EVJ7 | N72 | N240 |
| *Astyanax mexicanus* | Bf\_Ame\_P1a | UniProt | A0A3B1IL67 |  | N240 |
| *Pangasianodon hypophthalmus* | Bf\_Phy\_P1a | UniProt | A0A5N5KS50 | N72 | N240 |
| *Ictalurus punctatus* | Bf\_Ipu\_P1a | UniProt | W5UJ73 | N72 | N237 |
| *Chanos chanos* | Bf\_Cch\_P1a | UniProt | A0A6J2VSH4 | N72 | N247 |
| *Bagarius yarrelli* | Bf\_Bya\_P1a | UniProt | A0A556TWG5 | N72 | N240 |
| *Myripristis murdjan* | Bf\_Mmu\_P1a | UniProt | A0A667ZWQ6 | N71 | N242 |
| *Salmo salar* | Bf\_Ssa\_P1a | UniProt | A0A1S3T0A5 | N71 | N235 |
| *Esox lucius* | Bf\_Elu\_P1a | UniProt | A0A3P9API0 | N71 | N235 |
| *Hucho hucho* | Bf\_Hhu\_P1a | UniProt | A0A4W5QEZ1 | N71 | N235 |
| *Coregonus sp. 'balchen'* | Bf\_Cba\_P1a | UniProt | A0A6F9CHI4 | N71 | N235 |
| *Salmo trutta* | Bf\_Str\_P1a | UniProt | A0A673X509 | N35 | N199 |
| *Seriola dumerili* | Bf\_Sdu\_P1a | UniProt | A0A3B4VCK6 | N71 | N241 |
| *Seriola lalandi dorsalis* | Bf\_Sdo\_P1a | UniProt | A0A3B4XGA6 | N71 | N241 |
| *Perca flavescens* | Bf\_Pfl\_P1a | UniProt | A0A484DK94 | N71 |  |
| *Scophthalmus maximus* | Bf\_Sma\_P1a | UniProt | A0A6A4SYD9 | N90 | N258 |
| *Gasterosteus aculeatus* | Bf\_Gac\_P1a | UniProt | G3PIQ8 | N71 |  |
| *Cottoperca gobio* | Bf\_Cgo\_P1a | UniProt | A0A6J2R114 | N71 |  |
| *Lates calcarifer* | Bf\_Lca\_P1a | UniProt | A0A4W6FFV1 | N71 |  |
| *Stegastes partitus* | Bf\_Spa\_P1a | UniProt | A0A3B5B636 | N71 |  |
| *Anabas testudineus* | Bf\_Ate\_P1a | UniProt | A0A3Q1HD43 | N71 |  |
| *Hippocampus comes* | Bf\_Hco\_P1a | UniProt | A0A3Q2YJL1 | N71 | N233 |
| *Echeneis naucrates* | Bf\_Ena\_P1a | UniProt | A0A665TAG8 | N71 |  |
| *Oreochromis aureus* | Bf\_Oau\_P1a | UniProt | A0A668W2K3 | N71 |  |
| *Oryzias latipes* | Bf\_Ola\_P1a | UniProt | H2L9V9 | N71 |  |
| *Perca fluviatilis* | Bf\_Pfu\_P1a | UniProt | A0A6A5FP32 | N71 |  |
| *Larimichthys crocea* | Bf\_Lcr\_P1a | UniProt | A0A6G0JBV3 | N71 | N238 |
| *Acanthochromis polyacanthus* | Bf\_Apo\_P1a | UniProt | A0A3Q1GSX1 |  | N241 |
| *Neolamprologus brichardi* | Bf\_Nbr\_P1a | UniProt | A0A3Q4MW06 | N71 |  |
| *Sphaeramia orbicularis* | Bf\_Sor\_P1a | UniProt | A0A673C402 | N60 | N201 |
| *Oreochromis niloticus* | Bf\_Oni\_P1a | UniProt | I3JLQ0 | N71 |  |
| *Astatotilapia calliptera* | Bf\_Aca\_P1a | UniProt | A0A3P8Q7Q0 | N71 |  |
| *Maylandia zebra* | Bf\_Mze\_P1a | UniProt | A0A3P9DFE6 | N71 |  |
| *Pundamilia nyererei* | Bf\_Pny\_P1a | UniProt | A0A3B4H620 | N71 |  |
| *Haplochromis burtoni* | Bf\_Hbu\_P1a | UniProt | A0A3Q2WJB0 | N71 |  |
| *Periophthalmus magnuspinnatus* | Bf\_Pma\_P1a | UniProt | A0A3B4BBG4 | N68 |  |
| *Oryzias melastigma* | Bf\_Ome\_P1a | UniProt | A0A3B3B5N4 | N71 | N222 |
| *Amphilophus citrinellus* | Bf\_Aci\_P1a | UniProt | A0A3Q0SFT1 | N71 |  |
| *Sparus aurata* | Bf\_Sau\_P1a | UniProt | A0A671UA15 | N71 |  |
| *Amphiprion ocellaris* | Bf\_Aoc\_P1a | UniProt | A0A3Q1CAG4 | N71 |  |
| *Channa argus* | Bf\_Car\_P1a | UniProt | A0A6G1PT53 | N71 |  |
| *Austrofundulus limnaeus* | Bf\_Ali\_P1a | UniProt | A0A2I4BUE5 | N71 | N233 |
| *Fundulus heteroclitus* | Bf\_Fhe\_P1a | UniProt | A0A3Q2PYY3 | N71 | N233 |
| *Amphiprion percula* | Bf\_Ape\_P1a | UniProt | A0A3P8RKM6 | N71 |  |
| *Kryptolebias marmoratus* | Bf\_Kma\_P1a | UniProt | A0A3Q3BFU5 | N71 | N233 |
| *Oryzias javanicus* | Bf\_Oja\_P1a | UniProt | A0A437CSD2 | N71 |  |
| *Labrus bergylta* | Bf\_Lbe\_P1a | UniProt | A0A3Q3EYP6 | N71 |  |
| *Poecilia mexicana* | Bf\_Pme\_P1a | UniProt | A0A3B3WUA4 | N71 N90 |  |
| *Poecilia reticulata* | Bf\_Pre\_P1a | UniProt | A0A3P9PUE4 | N71 N90 | N233 |
| *Xiphophorus maculatus* | Bf\_Xma\_P1a | UniProt | M3ZQH5 | N71 | N233 |
| *Salarias fasciatus* | Bf\_Sfa\_P1a | UniProt | A0A672FTV6 | N71 | N233 |
| *Takifugu rubripes* | Bf\_Tru\_P1a | UniProt | H2SW28 | N71 |  |
| *Takifugu flavidus* | Bf\_Tfl\_P1a | UniProt | A0A5C6PGI8 | N71 |  |
| *Anabarilius grahami* | Bf\_Agr\_P1a | UniProt | A0A3N0YQI8 |  | N246 |
| *Mastacembelus armatus* | Bf\_Mar\_P1a | UniProt | A0A3Q3N3S7 | N71 |  |
| *Poecilia latipinna* | Bf\_Pla\_P1a | UniProt | A0A3B3UZ24 | N71 N90 | N233 |
| *Poecilia formosa* | Bf\_Pfo\_P1a | UniProt | A0A087Y1R8 | N71 N90 | N233 |
| *Cynoglossus semilaevis* | Bf\_Cse\_P1a | UniProt | A0A3P8V4K5 | N71 |  |
| *Tetraodon nigroviridis* | Bf\_Tni\_P1a | UniProt | H3CKJ7 | N71 | N233 |
| *Cyprinodon variegatus* | Bf\_Cva\_P1a | UniProt | A0A3Q2E008 | N71 | N228 |
| *Scleropages formosus* | Bf\_Sfo\_P1a | UniProt | A0A0N8K203 |  | N180 |
| *Danio rerio* | Bf\_Dre\_P1b | UniProt | Pannexin1b | F1QSR7 | N71 N95 | N246 |
| *Sinocyclocheilus anshuiensis* | Bf\_San\_P1b | UniProt | A0A671L8T2 | N71 | N246 |
| *Sinocyclocheilus rhinocerous* | Bf\_Srh\_P1b | UniProt | A0A673FW92 | N71 | N239 |
| *Danionella translucida* | Bf\_Dtr\_P1b | UniProt | A0A672PBI1 | N71 | N246 |
| *Triplophysa tibetana* | Bf\_Tti\_P1b | UniProt | A0A5A9P885 |  | N362 |
| *Pygocentrus nattereri* | Bf\_Pna\_P1b | UniProt | A0A3B4DT47 | N71 N90 | N245 |
| *Electrophorus electricus* | Bf\_Eel\_P1b | UniProt | A0A4W4EZT6 | N71 | N243 |
| *Astyanax mexicanus* | Bf\_Ame\_P1b | UniProt | A0A3B1IIW2 | N71 | N250 |
| *Pangasianodon hypophthalmus* | Bf\_Phy\_P1b | UniProt | A0A5N5JZA2 | N71 | N245 |
| *Ictalurus punctatus* | Bf\_Ipu\_P1b | UniProt | A0A2D0PTY9 | N72 | N237 |
| *Chanos chanos* | Bf\_Cch\_P1b | UniProt | A0A6J2W3L0 | N71 | N245 |
| *Bagarius yarrelli* | Bf\_Bya\_P1b | UniProt | A0A556UES4 | N91 | N265 |
| *Myripristis murdjan* | Bf\_Mmu\_P1b | UniProt | A0A667ZE16 | N71 | N233 |
| *Salmo salar* | Bf\_Ssa\_P1b | UniProt | A0A1S3RJJ6 | N71 | N248 |
| *Esox lucius* | Bf\_Elu\_P1b | UniProt | A0A3P8XS64 | N71 | N248 |
| *Hucho hucho* | Bf\_Hhu\_P1b | UniProt | A0A4W5JW91 | N71 | N248 |
| *Coregonus sp. 'balchen'* | Bf\_Cba\_P1b | UniProt | A0A6F9CVT5 | N71 | N248 |
| *Salmo trutta* | Bf\_Str\_P1b | UniProt | A0A673Z3D1 | N71 | N248 |
| *Seriola dumerili* | Bf\_Sdu\_P1b | UniProt | A0A3B4VD28 | N71 | N241 |
| *Seriola lalandi dorsalis* | Bf\_Sdo\_P1b | UniProt | A0A3B4X664 | N71 | N241 |
| *Perca flavescens* | Bf\_Pfl\_P1b | UniProt | A0A484DNZ5 | N71 | N241 |
| *Scophthalmus maximus* | Bf\_Sma\_P1b | UniProt | A0A2U9BQJ7 | N71 | N239 |
| *Gasterosteus aculeatus* | Bf\_Gac\_P1b | UniProt | G3Q632 | N71 | N242 |
| *Cottoperca gobio* | Bf\_Cgo\_P1b | UniProt | A0A6J2Q5M3 | N71 | N241 |
| *Lates calcarifer* | Bf\_Lca\_P1b | UniProt | A0A4W6BL78 | N71 | N241 |
| *Stegastes partitus* | Bf\_Spa\_P1b | UniProt | A0A3B5ALT6 |  | N244 |
| *Anabas testudineus* | Bf\_Ate\_P1b | UniProt | A0A3Q1JE93 | N70 | N242 |
| *Hippocampus comes* | Bf\_Hco\_P1b | UniProt | A0A3Q2YCM9 | N71 | N235 |
| *Echeneis naucrates* | Bf\_Ena\_P1b | UniProt | A0A665V2W5 | N71 | N241 |
| *Oreochromis aureus* | Bf\_Oau\_P1b | UniProt | A0A668TCG3 | N71 | N241 |
| *Oryzias latipes* | Bf\_Ola\_P1b | UniProt | H2MEM2 | N71 N93 | N241 |
| *Perca fluviatilis* | Bf\_Pfu\_P1b | UniProt | A0A6A5FS38 | N71 | N241 |
| *Larimichthys crocea* | Bf\_Lcr\_P1b | UniProt | A0A0F8CRU3 | N71 | N238 |
| *Acanthochromis polyacanthus* | Bf\_Apo\_P1b | UniProt | A0A3Q1FBA4 |  | N241 |
| *Neolamprologus brichardi* | Bf\_Nbr\_P1b | UniProt | A0A3Q4HZC0 | N71 | N241 |
| *Sphaeramia orbicularis* | Bf\_Sor\_P1b | UniProt | A0A673AHN3 | N71 | N242 |
| *Oreochromis niloticus* | Bf\_Oni\_P1b | UniProt | I3KRL4 | N71 | N241 |
| *Astatotilapia calliptera* | Bf\_Aca\_P1b | UniProt | A0A3P8Q4H6 | N71 | N241 |
| *Maylandia zebra* | Bf\_Mze\_P1b | UniProt | A0A3P9BTV9 | N71 | N241 |
| *Pundamilia nyererei* | Bf\_Pny\_P1b | UniProt | A0A3B4F980 | N71 | N241 |
| *Haplochromis burtoni* | Bf\_Hbu\_P1b | UniProt | A0A3Q3CYY2 | N71 | N241 |
| *Periophthalmus magnuspinnatus* | Bf\_Pma\_P1b | UniProt | A0A3B3ZW85 | N74 | N244 |
| *Oryzias melastigma* | Bf\_Ome\_P1b | UniProt | A0A3B3BSI9 | N71 N93 | N241 |
| *Amphilophus citrinellus* | Bf\_Aci\_P1b | UniProt | A0A3Q0SLZ4 | N71 | N248 |
| *Sparus aurata* | Bf\_Sau\_P1b | UniProt | A0A671WNS1 | N71 | N241 |
| *Amphiprion ocellaris* | Bf\_Aoc\_P1b | UniProt | A0A3Q1C039 | N71 | N241 |
| *Channa argus* | Bf\_Car\_P1b | UniProt | A0A6G1PAJ6 | N71 | N242 |
| *Austrofundulus limnaeus* | Bf\_Ali\_P1b | UniProt | A0A2I4C1Y6 | N71 | N241 |
| *Fundulus heteroclitus* | Bf\_Fhe\_P1b | UniProt | A0A3Q2TEU5 | N71 | N241 |
| *Amphiprion percula* | Bf\_Ape\_P1b | UniProt | A0A3P8TJG9 | N71 | N236 |
| *Kryptolebias marmoratus* | Bf\_Kma\_P1b | UniProt | A0A3Q3BR75 | N71 | N242 |
| *Oryzias javanicus* | Bf\_Oja\_P1b | UniProt | A0A437DLS5 | N71 N93 | N241 |
| *Labrus bergylta* | Bf\_Lbe\_P1b | UniProt | A0A3Q3GC43 | N71 | N227 |
| *Poecilia mexicana* | Bf\_Pme\_P1b | UniProt | A0A3B3XGG7 | N71 N93 | N241 |
| *Poecilia reticulata* | Bf\_Pre\_P1b | UniProt | A0A3P9MTP0 | N71 | N241 |
| *Xiphophorus maculatus* | Bf\_Xma\_P1b | UniProt | M3ZS53 | N71 | N241 |
| *Salarias fasciatus* | Bf\_Sfa\_P1b | UniProt | A0A672HSX5 | N71 N93 | N215 |
| *Takifugu rubripes* | Bf\_Tru\_P1b | UniProt | H2TPU6 | N71 | N241 |
| *Takifugu flavidus* | Bf\_Tfl\_P1b | UniProt | A0A5C6MU23 | N71 | N241 |
| *Anabarilius grahami* | Bf\_Agr\_P1b | UniProt | A0A3N0Y4M7 | N71 | N246 |
| *Mastacembelus armatus* | Bf\_Mar\_P1b | UniProt | A0A3Q3LER9 | N50 | N220 |
| *Poecilia latipinna* | Bf\_Pla\_P1b | UniProt | A0A3B3TUH4 | N60 N83 | N230 |
| *Poecilia formosa* | Bf\_Pfo\_P1b | UniProt | A0A087XZX3 | N60 N83 | N230 |
| *Cynoglossus semilaevis* | Bf\_Cse\_P1b | UniProt | A0A3P8VUF4 | N71 | N229 |
| *Tetraodon nigroviridis* | Bf\_Tni\_P1b | UniProt | H3CL66 | N71 | N244 |
| *Cyprinodon variegatus* | Bf\_Cva\_P1b | UniProt | A0A3Q2CTD3 | N71 | N241 |
| *Scleropages formosus* | Bf\_Sfo\_P1b | UniProt | A0A0P7UEI8 | N10 | N203 |
| *Danio rerio* | Bf\_Dre\_P2 | UniProt | Pannexin2 | B1P2E8 | N87 |  |
| *Sinocyclocheilus anshuiensis* | Bf\_San\_P2 | UniProt | A0A671KAW9 | N87 |  |
| *Sinocyclocheilus rhinocerous* | Bf\_Srh\_P2 | UniProt | A0A673KVR6 | N87 |  |
| *Danionella translucida* | Bf\_Dtr\_P2 | UniProt | A0A553Q5K6 | N87 |  |
| *Triplophysa tibetana* | Bf\_Tti\_P2 | UniProt | A0A5A9P1S8 | N87 |  |
| *Pygocentrus nattereri* | Bf\_Pna\_P2 | UniProt | A0A3B4CND9 | N87 |  |
| *Electrophorus electricus* | Bf\_Eel\_P2 | UniProt | A0A4W4FLN9 | N87 |  |
| *Astyanax mexicanus* | Bf\_Ame\_P2 | UniProt | W5LLB2 | N87 |  |
| *Pangasianodon hypophthalmus* | Bf\_Phy\_P2 | UniProt | A0A5N5P7K2 | N87 |  |
| *Ictalurus punctatus* | Bf\_Ipu\_P2 | UniProt | A0A2D0QTH6 | N87 |  |
| *Chanos chanos* | Bf\_Cch\_P2 | UniProt | A0A6J2WMP4 | N87 |  |
| *Bagarius yarrelli* | Bf\_Bya\_P2 | UniProt | A0A556TQY4 | N77 |  |
| *Myripristis murdjan* | Bf\_Mmu\_P2 | UniProt | A0A667XRP1 | N87 |  |
| *Salmo salar* | Bf\_Ssa\_P2 | UniProt | A0A1S3MKH2 | N87 |  |
| *Esox lucius* | Bf\_Elu\_P2 | UniProt | A0A3P8YYE5 | N87 |  |
| *Hucho hucho* | Bf\_Hhu\_P2 | UniProt | A0A4W5L5W5 | N87 |  |
| *Coregonus sp. 'balchen'* | Bf\_Cba\_P2 | UniProt | A0A6F8ZQS3 | N76 |  |
| *Salmo trutta* | Bf\_Str\_P2 | UniProt | A0A673XGZ7 | N87 |  |
| *Seriola dumerili* | Bf\_Sdu\_P2 | UniProt | A0A3B4VCG3 | N46 |  |
| *Seriola lalandi dorsalis* | Bf\_Sdo\_P2 | UniProt | A0A3B4XAI8 | N87 |  |
| *Perca flavescens* | Bf\_Pfl\_P2 | UniProt | A0A484D210 | N87 |  |
| *Scophthalmus maximus* | Bf\_Sma\_P2 | UniProt | A0A2U9BWT5 | N87 |  |
| *Gasterosteus aculeatus* | Bf\_Gac\_P2 | UniProt | G3PJL3 | N77 |  |
| *Cottoperca gobio* | Bf\_Cgo\_P2 | UniProt | A0A6J2PZ59 | N87 |  |
| *Lates calcarifer* | Bf\_Lca\_P2 | UniProt | A0A4W6EWW0 | N87 |  |
| *Stegastes partitus* | Bf\_Spa\_P2 | UniProt | A0A3B5A2L8 | N87 |  |
| *Anabas testudineus* | Bf\_Ate\_P2 | UniProt | A0A3Q1J7P4 | N87 |  |
| *Hippocampus comes* | Bf\_Hco\_P2 | UniProt | A0A3Q2XN59 | N87 |  |
| *Echeneis naucrates* | Bf\_Ena\_P2 | UniProt | A0A665V3A9 | N87 |  |
| *Oreochromis aureus* | Bf\_Oau\_P2 | UniProt | A0A668RTT2 | N87 |  |
| *Oryzias latipes* | Bf\_Ola\_P2 | UniProt | H2MNY7 | N87 |  |
| *Perca fluviatilis* | Bf\_Pfu\_P2 | UniProt | A0A6A5FC68 | N87 |  |
| *Larimichthys crocea* | Bf\_Lcr\_P2 | UniProt | A0A6G0IZ00 | N87 |  |
| *Acanthochromis polyacanthus* | Bf\_Apo\_P2 | UniProt | A0A3Q1ELQ8 | N87 |  |
| *Neolamprologus brichardi* | Bf\_Nbr\_P2 | UniProt | A0A3Q4HFT1 | N87 |  |
| *Sphaeramia orbicularis* | Bf\_Sor\_P2 | UniProt | A0A673BEE5 | N87 |  |
| *Oreochromis niloticus* | Bf\_Oni\_P2 | UniProt | I3JW76 | N87 |  |
| *Astatotilapia calliptera* | Bf\_Aca\_P2 | UniProt | A0A3P8NPF4 | N87 |  |
| *Maylandia zebra* | Bf\_Mze\_P2 | UniProt | A0A3P9CLK2 | N87 |  |
| *Pundamilia nyererei* | Bf\_Pny\_P2 | UniProt | A0A3B4H4H4 | N87 |  |
| *Haplochromis burtoni* | Bf\_Hbu\_P2 | UniProt | A0A3Q2W542 | N87 |  |
| *Periophthalmus magnuspinnatus* | Bf\_Pma\_P2 | UniProt | A0A3B4AR72 | N87 |  |
| *Oryzias melastigma* | Bf\_Ome\_P2 | UniProt | A0A3B3CUX5 | N87 |  |
| *Amphilophus citrinellus* | Bf\_Aci\_P2 | UniProt | A0A3Q0RSV8 | N87 |  |
| *Sparus aurata* | Bf\_Sau\_P2 | UniProt | A0A671THZ2 | N87 |  |
| *Amphiprion ocellaris* | Bf\_Aoc\_P2 | UniProt | A0A3Q1CYV0 | N87 |  |
| *Channa argus* | Bf\_Car\_P2 | UniProt | A0A6G1PFT8 | N87 |  |
| *Austrofundulus limnaeus* | Bf\_Ali\_P2 | UniProt | A0A2I4BWC2 | N87 |  |
| *Fundulus heteroclitus* | Bf\_Fhe\_P2 | UniProt | A0A3Q2PDM0 | N87 | N268 |
| *Amphiprion percula* | Bf\_Ape\_P2 | UniProt | A0A3P8SXB8 | N87 |  |
| *Kryptolebias marmoratus* | Bf\_Kma\_P2 | UniProt | A0A3Q3BIC9 | N87 |  |
| *Oryzias javanicus* | Bf\_Oja\_P2 | UniProt | A0A3S2MR15 | N87 |  |
| *Labrus bergylta* | Bf\_Lbe\_P2 | UniProt | A0A3Q3DZP2 | N87 |  |
| *Poecilia mexicana* | Bf\_Pme\_P2 | UniProt | A0A3B3WV28 | N87 |  |
| *Poecilia reticulata* | Bf\_Pre\_P2 | UniProt | A0A3P9QAM3 | N87 |  |
| *Xiphophorus maculatus* | Bf\_Xma\_P2 | UniProt | M4AXQ3 | N87 |  |
| *Salarias fasciatus* | Bf\_Sfa\_P2 | UniProt | A0A672GWY1 | N87 |  |
| *Takifugu rubripes* | Bf\_Tru\_P2 | UniProt | H2SGQ8 | N87 |  |
| *Takifugu flavidus* | Bf\_Tfl\_P2 | UniProt | A0A5C6P9Q8 | N87 |  |
| *Anabarilius grahami* | Bf\_Agr\_P2 | UniProt | A0A3N0YAX4 | N87 |  |
| *Mastacembelus armatus* | Bf\_Mar\_P2 | UniProt | A0A3Q3KP00 | N87 |  |
| *Poecilia latipinna* | Bf\_Pla\_P2 | UniProt | A0A3B3V2B8 | N87 |  |
| *Poecilia formosa* | Bf\_Pfo\_P2 | UniProt | A0A087XGV3 | N87 |  |
| *Cynoglossus semilaevis* | Bf\_Cse\_P2 | UniProt | A0A3P8VQX6 | N87 |  |
| *Tetraodon nigroviridis* | Bf\_Tni\_P2 | UniProt | H3CSG1 | N77 |  |
| *Cyprinodon variegatus* | Bf\_Cva\_P2 | UniProt | A0A3Q2D4H8 | N87 |  |
| *Scleropages formosus* | Bf\_Sfo\_P2 | UniProt | A0A0P7XI67 | N87 |  |
| *Danio rerio* | Bf\_Dre\_P3 | UniProt | Pannexin3 | E7F7V4 | N72 |  |
| *Sinocyclocheilus anshuiensis* | Bf\_San\_P3 | UniProt | A0A671L521 | N72 |  |
| *Sinocyclocheilus rhinocerous* | Bf\_Srh\_P3 | UniProt | A0A673MLT3 | N72 |  |
| *Danionella translucida* | Bf\_Dtr\_P3 | UniProt | A0A553QVV1 | N72 |  |
| *Triplophysa tibetana* | Bf\_Tti\_P3 | UniProt | A0A5A9N4S3 | N72 |  |
| *Pygocentrus nattereri* | Bf\_Pna\_P3 | UniProt | A0A3B4CPT8 | N72 |  |
| *Electrophorus electricus* | Bf\_Eel\_P3 | UniProt | A0A4W4FRU4 | N72 |  |
| *Astyanax mexicanus* | Bf\_Ame\_P3 | UniProt | W5KA10 | N71 |  |
| *Pangasianodon hypophthalmus* | Bf\_Phy\_P3 | UniProt | A0A5N5LNL5 | N107 |  |
| *Ictalurus punctatus* | Bf\_Ipu\_P3 | UniProt | A0A2D0SMD3 | N72 |  |
| *Chanos chanos* | Bf\_Cch\_P3 | UniProt | A0A6J2WWV2 | N72 |  |
| *Bagarius yarrelli* | Bf\_Bya\_P3 | UniProt | A0A556TJY5 | N72 |  |
| *Myripristis murdjan* | Bf\_Mmu\_P3 | UniProt | A0A667ZNQ4 | N72 |  |
| *Salmo salar* | Bf\_Ssa\_P3 | UniProt | A0A1S3RMN9 | N72 |  |
| *Esox lucius* | Bf\_Elu\_P3 | UniProt | A0A3P8YHY2 | N72 |  |
| *Hucho hucho* | Bf\_Hhu\_P3 | UniProt | A0A4W5NLP5 | N72 |  |
| *Coregonus sp. 'balchen'* | Bf\_Cba\_P3 | UniProt | A0A6F9A0G1 | N72 |  |
| *Salmo trutta* | Bf\_Str\_P3 | UniProt | A0A673WS30 | N71 |  |
| *Seriola dumerili* | Bf\_Sdu\_P3 | UniProt | A0A3B4VHK2 | N72 |  |
| *Seriola lalandi dorsalis* | Bf\_Sdo\_P3 | UniProt | A0A3B4WAR5 | N72 |  |
| *Perca flavescens* | Bf\_Pfl\_P3 | UniProt | A0A484CRH5 | N72 |  |
| *Scophthalmus maximus* | Bf\_Sma\_P3 | UniProt | A0A6A4T349 | N72 |  |
| *Gasterosteus aculeatus* | Bf\_Gac\_P3 | UniProt | G3Q9M3 | N72 |  |
| *Cottoperca gobio* | Bf\_Cgo\_P3 | UniProt | A0A6J2R349 | N72 |  |
| *Lates calcarifer* | Bf\_Lca\_P3 | UniProt | A0A4W6DTS7 | N72 |  |
| *Stegastes partitus* | Bf\_Spa\_P3 | UniProt | A0A3B4ZLA5 | N71 |  |
| *Anabas testudineus* | Bf\_Ate\_P3 | UniProt | A0A3Q1K2B4 | N71 |  |
| *Hippocampus comes* | Bf\_Hco\_P3 | UniProt | A0A3Q2XP86 | N71 |  |
| *Echeneis naucrates* | Bf\_Ena\_P3 | UniProt | A0A665TIL4 | N72 |  |
| *Oreochromis aureus* | Bf\_Oau\_P3 | UniProt | A0A668SED9 | N72 |  |
| *Oryzias latipes* | Bf\_Ola\_P3 | UniProt | H2MXX4 | N73 |  |
| *Perca fluviatilis* | Bf\_Pfu\_P3 | UniProt | A0A6A5EX38 | N72 |  |
| *Larimichthys crocea* | Bf\_Lcr\_P3 | UniProt | A0A6G0I9R0 | N72 |  |
| *Acanthochromis polyacanthus* | Bf\_Apo\_P3 | UniProt | A0A3Q1EDM7 | N71 |  |
| *Neolamprologus brichardi* | Bf\_Nbr\_P3 | UniProt | A0A3Q4GB35 | N71 |  |
| *Sphaeramia orbicularis* | Bf\_Sor\_P3 | UniProt | A0A673ABS3 | N72 |  |
| *Oreochromis niloticus* | Bf\_Oni\_P3 | UniProt | I3KFG2 | N72 |  |
| *Astatotilapia calliptera* | Bf\_Aca\_P3 | UniProt | A0A3P8NE92 | N72 |  |
| *Maylandia zebra* | Bf\_Mze\_P3 | UniProt | A0A3P9DAX0 | N72 |  |
| *Pundamilia nyererei* | Bf\_Pny\_P3 | UniProt | A0A3B4GDP5 | N71 |  |
| *Haplochromis burtoni* | Bf\_Hbu\_P3 | UniProt | A0A3Q2X5L3 | N72 |  |
| *Periophthalmus magnuspinnatus* | Bf\_Pma\_P3 | UniProt | A0A3B3ZUD6 | N71 |  |
| *Oryzias melastigma* | Bf\_Ome\_P3 | UniProt | A0A3B3BX68 | N72 |  |
| *Amphilophus citrinellus* | Bf\_Aci\_P3 | UniProt | A0A3Q0SGQ7 | N71 |  |
| *Sparus aurata* | Bf\_Sau\_P3 | UniProt | A0A671U344 | N72 |  |
| *Amphiprion ocellaris* | Bf\_Aoc\_P3 | UniProt | A0A3Q1BJJ4 | N71 |  |
| *Channa argus* | Bf\_Car\_P3 | UniProt | A0A6G1QW05 | N72 |  |
| *Austrofundulus limnaeus* | Bf\_Ali\_P3 | UniProt | A0A2I4D280 | N72 |  |
| *Fundulus heteroclitus* | Bf\_Fhe\_P3 | UniProt | A0A3Q2NV88 | N72 |  |
| *Amphiprion percula* | Bf\_Ape\_P3 | UniProt | A0A3P8T615 | N71 |  |
| *Kryptolebias marmoratus* | Bf\_Kma\_P3 | UniProt | A0A3Q3B131 | N72 |  |
| *Oryzias javanicus* | Bf\_Oja\_P3 | UniProt | A0A3S2P3R3 | N100 |  |
| *Labrus bergylta* | Bf\_Lbe\_P3 | UniProt | A0A3Q3E0L6 | N71 |  |
| *Poecilia mexicana* | Bf\_Pme\_P3 | UniProt | A0A3B3Z5S4 | N72 |  |
| *Poecilia reticulata* | Bf\_Pre\_P3 | UniProt | A0A3P9P9Y5 | N72 |  |
| *Xiphophorus maculatus* | Bf\_Xma\_P3 | UniProt | M3ZVF8 | N72 |  |
| *Salarias fasciatus* | Bf\_Sfa\_P3 | UniProt | A0A672JKA5 | N72 |  |
| *Takifugu rubripes* | Bf\_Tru\_P3 | UniProt | H2S112 | N72 |  |
| *Takifugu flavidus* | Bf\_Tfl\_P3 | UniProt | A0A5C6P3G4 | N72 |  |
| *Anabarilius grahami* | Bf\_Agr\_P3 | UniProt | A0A3N0Z7J9 | N72 |  |
| *Mastacembelus armatus* | Bf\_Mar\_P3 | UniProt | A0A3Q3KVF1 | N72 |  |
| *Poecilia latipinna* | Bf\_Pla\_P3 | UniProt | A0A3B3V7D9 | N72 |  |
| *Poecilia formosa* | Bf\_Pfo\_P3 | UniProt | A0A087YL18 | N72 |  |
| *Cynoglossus semilaevis* | Bf\_Cse\_P3 | UniProt | A0A3P8WQW5 | N72 |  |
| *Tetraodon nigroviridis* | Bf\_Tni\_P3 | UniProt | Q4SL86 | N72 |  |
| *Cyprinodon variegatus* | Bf\_Cva\_P3 | UniProt | A0A3Q2ECT5 | N72 |  |
| *Scleropages formosus* | Bf\_Sfo\_P3 | UniProt | A0A0P7URP1 | N77 |  |

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| **Amphibians** | *Xenopus laevis* | Am\_Xla\_P1 | UniProt | Pannexin1 | A0A1L8HJE1 |  | N257 |
| *Xenopus tropicalis* | Am\_Xtr\_P1 | UniProt | B3DLA5 |  | N257 |
| *Geotrypetes seraphini* | Am\_Gse\_P1 | UniProt | A0A6P8R863 |  | N255 |
| *Microcaecilia unicolor* | Am\_Mun\_P1 | UniProt | A0A6P7XWZ3 |  | N255 |
| *Rhinatrema bivittatum* | Am\_Rbi\_P1 | NCBI | XP\_029458198.1 |  | N252 |
| *Nanorana parkeri* | Am\_Npa\_P1 | NCBI | XP\_018412323.1 |  | N254 |
| *Xenopus laevis* | Am\_Xla\_P2 | UniProt | Panexin2 | A0A1L8GU32 | N86 |  |
| *Xenopus tropicalis* | Am\_Xtr\_P2 | UniProt | A0A6I8PZG3 | N86 |  |
| *Geotrypetes seraphini* | Am\_Gse\_P2 | UniProt | A0A6P8S737 | N86 |  |
| *Microcaecilia unicolor* | Am\_Mun\_P2 | UniProt | A0A6P7Z0M9 | N22 |  |
| *Rhinatrema bivittatum* | Am\_Rbi\_P2 | NCBI | XP\_029472886.1 | N22 |  |
| *Nanorana parkeri* | Am\_Npa\_P2 | NCBI | XP\_018432232.1 | N86 N111 |  |
| *Xenopus laevis* | Am\_Xla\_P3 | UniProt | Pannexin3 | A0A1L8FFR9 | N70 |  |
| *Xenopus tropicalis* | Am\_Xtr\_P3 | UniProt | F7D9M9 | N70 |  |
| *Geotrypetes seraphini* | Am\_Gse\_P3 | UniProt | A0A6P8NR87 | N71 N101 |  |
| *Microcaecilia unicolor* | Am\_Mun\_P3 | UniProt | A0A6P7ZW08 | N71 |  |
| *Rhinatrema bivittatum* | Am\_Rbi\_P3 | NCBI | XP\_029430059.1 | N75 |  |
| *Nanorana parkeri* | Am\_Npa\_P3 | NCBI | XP\_018424096.1 | N75 |  |

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| **Reptiles** | *Podarcis muralis* | Re\_Pmu\_P1 | UniProt | Pannexin1 | A0A670IMW4 |  | N252 |
| *Pogona vitticeps* | Re\_Pvi\_P1 | UniProt | A0A6J0SD02 |  | N255 |
| *Thamnophis sirtalis* | Re\_Tsi\_P1 | UniProt | A0A6I9YUF7 |  | N255 |
| *Paroedura picta* | Re\_Ppi\_P1 | UniProt | A0A402EYY8 |  | N255 |
| *Anolis carolinensis* | Re\_Aca\_P1 | UniProt | G1KPN4 |  | N257 |
| *Notechis scutatus* | Re\_Nsc\_P1 | UniProt | A0A6J1V4V6 |  | N191 |
| *Alligator sinensis* | Re\_Asi\_P1 | UniProt | A0A1U8D704 |  | N260 |
| *Pelodiscus sinensis* | Re\_Psi\_P1 | UniProt | K7FDB5 |  | N195 |
| *Platysternon megacephalum* | Re\_Pme\_P1 | UniProt | A0A4D9DWP4 |  | N255 |
| *Gopherus agassizii* | Re\_Gag\_P1 | UniProt | A0A452GG09 |  | N236 N255 |
| *Pantherophis guttatus* | Re\_Pgu\_P1 | UniProt | A0A6P9B7R7 |  | N254 |
| *Crotalus tigris* | Re\_Cti\_P1 | NCBI | XM\_039349094.1 |  | N254 |
| *Gekko japonicus* | Re\_Gja\_P1 | NCBI | XM\_015410293.1 |  | N255 |
| *Lacerta agilis* | Re\_Lag\_P1 | NCBI | XM\_033146133.1 |  | N252 |
| *Protobothrops mucrosquamatus* | Re\_Pmu\_P1 | NCBI | XM\_015827201.1 |  | N254 |
| *Pseudonaja textilis* | Re\_Pte\_P1 | NCBI | XM\_026706935.1 |  | N254 |
| *Python bivittatus* | Re\_Pbi\_P1 | NCBI | XM\_025171585.1 |  | N208 |
| *Zootoca vivipara* | Re\_Zvi\_P1 | NCBI | XM\_035114643.1 |  | N252 |
| *Podarcis muralis* | Re\_Pmu\_P2 | UniProt | Pannexin2 | A0A670J859 | N22 N47 |  |
| *Pogona vitticeps* | Re\_Pvi\_P2 | UniProt | A0A6J0V6Q1 | N190 N215 |  |
| *Thamnophis sirtalis* | Re\_Tsi\_P2 | UniProt | A0A6I9XGX2 | N86 N111 |  |
| *Paroedura picta* | Re\_Ppi\_P2 | UniProt | A0A402EH32 | N22 N47 |  |
| *Anolis carolinensis* | Re\_Aca\_P2 | UniProt | G1KAJ7 | N87 N112 |  |
| *Notechis scutatus* | Re\_Nsc\_P2 | UniProt | A0A6J1U8G9 | N86 N111 |  |
| *Alligator sinensis* | Re\_Asi\_P2 | UniProt | A0A1U7R380 | N15 |  |
| *Pelodiscus sinensis* | Re\_Psi\_P2 | UniProt | K7G9N8 | N190 |  |
| *Platysternon megacephalum* | Re\_Pme\_P2 | UniProt | A0A4D9F0Q2 | N22 |  |
| *Gopherus agassizii* | Re\_Gag\_P2 | UniProt | A0A452H583 | N22 |  |
| *Pantherophis guttatus* | Re\_Pgu\_P2 | UniProt | A0A6P9C350 | N86 N111 |  |
| *Crotalus tigris* | Re\_Cti\_P2 | NCBI | XM\_039337190.1 | N22 |  |
| *Gekko japonicus* | Re\_Gja\_P2 | NCBI | XM\_015411813.1 | N86 N111 |  |
| *Lacerta agilis* | Re\_Lag\_P2 | NCBI | XM\_033162913.1 | N86 N111 |  |
| *Protobothrops mucrosquamatus* | Re\_Pmu\_P2 | NCBI | XM\_015823749.1 | N86 N111 |  |
| *Pseudonaja textilis* | Re\_Pte\_P2 | NCBI | XM\_026714087.1 | N86 N111 |  |
| *Python bivittatus* | Re\_Pbi\_P2 | NCBI | XM\_007427564.3 | N86 N111 |  |
| *Zootoca vivipara* | Re\_Zvi\_P2 | NCBI | XM\_035128399.1 | N86 N111 |  |
| *Podarcis muralis* | Re\_Pmu\_P3 | UniProt | Pannexin3 | A0A670JSK3 | N71 |  |
| *Pogona vitticeps* | Re\_Pvi\_P3 | UniProt | A0A6J0V2S6 | N71 |  |
| *Thamnophis sirtalis* | Re\_Tsi\_P3 | UniProt | A0A6I9Y8X1 | N71 |  |
| *Paroedura picta* | Re\_Ppi\_P3 | UniProt | A0A402F0J7 | N104 |  |
| *Anolis carolinensis* | Re\_Aca\_P3 | UniProt | H9G3D5 | N87 N112 |  |
| *Notechis scutatus* | Re\_Nsc\_P3 | UniProt | A0A6J1U9P4 | N71 |  |
| *Alligator sinensis* | Re\_Asi\_P3 | UniProt | A0A1U7SMB7 | N71 |  |
| *Pelodiscus sinensis* | Re\_Psi\_P3 | UniProt | K7G7H3 | N71 N98 |  |
| *Platysternon megacephalum* | Re\_Pme\_P3 | UniProt | A0A4D9ECX9 | N71 N98 |  |
| *Gopherus agassizii* | Re\_Gag\_P3 | UniProt | A0A452GF72 | N71 N98 |  |
| *Pantherophis guttatus* | Re\_Pgu\_P3 | UniProt | A0A6P9C0R1 | N71 |  |
| *Crotalus tigris* | Re\_Cti\_P3 | NCBI | XM\_039356601.1 | N71 |  |
| *Gekko japonicus* | Re\_Gja\_P3 | NCBI | XM\_015429388.1 | N71 |  |
| *Lacerta agilis* | Re\_Lag\_P3 | NCBI | XM\_033172461.1 | N70 |  |
| *Protobothrops mucrosquamatus* | Re\_Pmu\_P3 | NCBI | XM\_015820106.1 | N71 |  |
| *Pseudonaja textilis* | Re\_Pte\_P3 | NCBI | XM\_026718087.1 | N71 |  |
| *Python bivittatus* | Re\_Pbi\_P3 | NCBI | XM\_007431037.3 | N71 |  |
| *Zootoca vivipara* | Re\_Zvi\_P3 | NCBI | XM\_035139422.1 | N71 |  |

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| **Birds** | *Taeniopygia guttata* | Bi\_Tgu\_P1 | UniProt | Pannexin1 | H0ZRG4 |  | N255 |
| *Hirundo rustica rustica* | Bi\_Hru\_P1 | UniProt | A0A3M0K2N6 |  | N255 |
| *Lonchura striata domestica* | Bi\_Lst\_P1 | UniProt | A0A218V546 |  | N255 |
| *Strigops habroptila* | Bi\_Sha\_P1 | UniProt | A0A672TNC5 |  | N255 |
| *Phasianus colchicus* | Bi\_Pco\_P1 | UniProt | A0A669P1W3 |  | N255 |
| *Aythya fuligula* | Bi\_Afu\_P1 | UniProt | A0A6J3EI41 |  | N255 |
| *Colinus virginianus* | Bi\_Cvi\_P1 | UniProt | A0A226PFQ7 |  | N255 |
| *Gallus gallus* | Bi\_Gga\_P1 | UniProt | A0A1D5P0I0 |  | N255 |
| *Patagioenas fasciata monilis* | Bi\_Pfa\_P1 | UniProt | A0A1V4L1E5 |  | N255 |
| *Meleagris gallopavo* | Bi\_Mga\_P1 | UniProt | G1NQM7 |  | N237 |
| *Callipepla squamata* | Bi\_Csq\_P1 | UniProt | A0A226MUM5 |  | N255 |
| *Ficedula albicollis* | Bi\_Fal\_P1 | UniProt | U3JC15 |  | N219 |
| *Geospiza fortis* | Bi\_Gfo\_P1 | UniProt | A0A6I9ZCS6 |  | N199 |
| *Charadrius vociferus* | Bi\_Cvo\_P1 | UniProt | A0A0A0AB22 |  | N195 |
| *Nipponia nippon* | Bi\_Nni\_P1 | UniProt | A0A091VK66 |  | N195 |
| *Calypte anna* | Bi\_Can\_P1 | UniProt | A0A091J2I8 |  | N195 |
| *Columba livia* | Bi\_Cli\_P1 | UniProt | A0A2I0LVR2 |  | N192 |
| *Gopherus agassizii* | Bi\_Gag\_P1 | UniProt | A0A452GG09 |  | N255 |
| *Struthio camelus australis* | Bi\_Sca\_P1 | UniProt | A0A093K6J7 |  | N195 |
| *Fulmarus glacialis* | Bi\_Fgl\_P1 | UniProt | A0A093IYR1 |  | N195 |
| *Merops nubicus* | Bi\_Mnu\_P1 | UniProt | A0A091S372 |  | N195 |
| *Acanthisitta chloris* | Bi\_Ach\_P1 | NCBI | XP\_009076023.1 |  | N204 |
| *Anas platyrhynchos* | Bi\_Apl\_P1 | NCBI | XP\_027323298.1 |  | N255 |
| *Anser cygnoides domesticus* | Bi\_Acy\_P1 | NCBI | XP\_013033618.1 |  | N219 |
| *Antrostomus carolinensis* | Bi\_Aca\_P1 | NCBI | XP\_010171917.1 |  | N194 |
| *Aptenodytes forsteri* | Bi\_Afo\_P1 | NCBI | XP\_019328318.1 |  | N210 |
| *Apteryx rowi* | Bi\_Aro\_P1 | NCBI | XP\_025927712.1 |  | N255 |
| *Aquila chrysaetos chrysaetos* | Bi\_Acc\_P1 | NCBI | XP\_029898840.1 |  | N255 |
| *Calidris pugnax* | Bi\_Cpu\_P1 | NCBI | XP\_014813746.1 |  | N225 |
| *Camarhynchus parvulus* | Bi\_Cpa\_P1 | NCBI | XP\_030815036.1 |  | N255 |
| *Catharus ustulatus* | Bi\_Cus\_P1 | NCBI | XP\_032908988.1 |  | N255 |
| *Chiroxiphia lanceolata* | Bi\_Cla\_P1 | NCBI | XP\_032534515.1 |  | N254 |
| *Corapipo altera* | Bi\_Cal\_P1 | NCBI | XP\_027499441.1 |  | N255 |
| *Corvus moneduloides* | Bi\_Cmo\_P1 | NCBI | XP\_031955078.1 |  | N255 |
| *Coturnix japonica* | Bi\_Cja\_P1 | NCBI | XP\_015707793.1 |  | N255 |
| *Cyanistes caeruleus* | Bi\_Cca\_P1 | NCBI | XP\_023775741.1 |  | N215 |
| *Cygnus atratus* | Bi\_Cat\_P1 | NCBI | XP\_035398581.1 |  | N255 |
| *Dromaius novaehollandiae* | Bi\_Dno\_P1 | NCBI | XP\_025964969.1 |  | N255 |
| *Egretta garzetta* | Bi\_Ega\_P1 | NCBI | XP\_009643220.1 |  | N224 |
| *Empidonax traillii* | Bi\_Etr\_P1 | NCBI | XP\_027739108.1 |  | N255 |
| *Falco rusticolus* | Bi\_Fru\_P1 | NCBI | XP\_037234097.1 |  | N255 |
| *Haliaeetus leucocephalus* | Bi\_Hle\_P1 | NCBI | XP\_010576567.1 |  | N255 |
| *Manacus vitellinus* | Bi\_Mvi\_P1 | NCBI | XP\_017927036.3 |  | N255 |
| *Melopsittacus undulatus* | Bi\_Mun\_p1 | NCBI | XP\_012984683.2 |  | N255 |
| *Molothrus ater* | Bi\_Mat\_P1 | NCBI | XP\_036246015.1 |  | N255 |
| *Motacilla alba alba* | Bi\_Mal\_P1 | NCBI | XP\_038007064.1 |  | N255 |
| *Neopelma chrysocephalum* | Bi\_Nch\_p1 | NCBI | XP\_027533209.1 |  | N255 |
| *Numida meleagris* | Bi\_Nme\_P1 | NCBI | XP\_021237585.1 |  | N255 |
| *Oxyura jamaicensis* | Bi\_Oja\_P1 | NCBI | XP\_035184553.1 |  | N255 |
| *Parus major* | Bi\_Pma\_P1 | NCBI | XP\_015503561.1 |  | N255 |
| *Pipra filicauda* | Bi\_Pfi\_P1 | NCBI | XP\_027591409.1 |  | N255 |
| *Pseudopodoces humilis* | Bi\_Phu\_P1 | NCBI | XP\_005516796.1 |  | N261 |
| *Serinus canaria* | Bi\_Scn\_P1 | NCBI | XP\_030090403.1 |  | N304 |
| *Sturnus vulgaris* | Bi\_Svu\_P1 | NCBI | XP\_014733051.1 |  | N255 |
| *Zonotrichia albicollis* | Bi\_Zal\_P1 | NCBI | XP\_005495791.1 |  | N255 |
| *Taeniopygia guttata* | Bi\_Tgu\_P2 | UniProt | Pannexin2 | H0Z0I1 | N86 |  |
| *Hirundo rustica rustica* | Bi\_Hru\_P2 | UniProt | A0A3M0KAL1 | N210 |  |
| *Lonchura striata domestica* | Bi\_Lst\_P2 | NCBI | XP\_021410914.1 | N86 |  |
| *Strigops habroptila* | Bi\_Sha\_P2 | NCBI | XP\_030335868.1 | N86 |  |
| *Phasianus colchicus* | Bi\_Pco\_P2 | UniProt | A0A669P1Z7 | N22 |  |
| *Aythya fuligula* | Bi\_Afu\_P2 | NCBI | XP\_032046713.1 | N86 |  |
| *Colinus virginianus* | Bi\_Cvi\_P2 | UniProt | A0A226NUI9 | N22 |  |
| *Gallus gallus* | Bi\_Gga\_P2 | NCBI | XP\_015128554.1 | N86 |  |
| *Patagioenas fasciata monilis* | Bi\_Pfa\_P2 | UniProt | A0A1V4K3B4 | N22 |  |
| *Meleagris gallopavo* | Bi\_Mga\_P2 | UniProt | H9H1C8 | N17 |  |
| *Callipepla squamata* | Bi\_Csq\_P2 | UniProt | A0A226N0J5 | N22 |  |
| *Ficedula albicollis* | Bi\_Fal\_P2 | UniProt | U3K4Y3 | N86 |  |
| *Geospiza fortis* | Bi\_Gfo\_P2 | NCBI | XP\_030912808.1 | N22 |  |
| *Charadrius vociferus* | Bi\_Cvo\_P2 | UniProt | A0A0A0AGJ8 | N17 |  |
| *Nipponia nippon* | Bi\_Nni\_P2 | UniProt | A0A091UXU4 | N17 |  |
| *Calypte anna* | Bi\_Can\_P2 | UniProt | A0A091HW87 | N17 |  |
| *Columba livia* | Bi\_Cli\_P2 | UniProt | A0A2I0MH90 | N26 |  |
| *Gopherus agassizii* | Bi\_Gag\_P2 | UniProt | A0A452H583 | N22 |  |
| *Struthio camelus australis* | Bi\_Sca\_P2 | UniProt | A0A093HZT8 | N17 |  |
| *Fulmarus glacialis* | Bi\_Fgl\_P2 | UniProt | A0A093IRE2 | N17 |  |
| *Merops nubicus* | Bi\_Mnu\_P2 | UniProt | A0A091QTK3 | N17 |  |
| *Acanthisitta chloris* | Bi\_Ach\_P2 | NCBI | XP\_009076173.1 | N10 |  |
| *Anas platyrhynchos* | Bi\_Apl\_P2 | NCBI | XP\_027314162.1 | N86 |  |
| *Anser cygnoides domesticus* | Bi\_Acy\_P2 | NCBI | XP\_013043831.1 | N25 |  |
| *Antrostomus carolinensis* | Bi\_Aca\_P2 | NCBI | XP\_010175464.1 | N24 |  |
| *Aptenodytes forsteri* | Bi\_Afo\_P2 | NCBI | XP\_009285132.1 | N22 |  |
| *Apteryx rowi* | Bi\_Aro\_P2 | NCBI | XP\_025937285.1 | N86 |  |
| *Aquila chrysaetos chrysaetos* | Bi\_Acc\_P2 | NCBI | XP\_029870402.1 | N86 |  |
| *Calidris pugnax* | Bi\_Cpu\_P2 | NCBI | XP\_014819437.1 | N86 |  |
| *Camarhynchus parvulus* | Bi\_Cpa\_P2 | NCBI | XP\_030816865.1 | N86 |  |
| *Catharus ustulatus* | Bi\_Cus\_P2 | NCBI | XP\_032913314.1 | N86 |  |
| *Chiroxiphia lanceolata* | Bi\_Cla\_P2 | NCBI | XP\_032544373.1 | N86 |  |
| *Corapipo altera* | Bi\_Cal\_P2 | NCBI | XP\_027495494.1 | N86 |  |
| *Corvus moneduloides* | Bi\_Cmo\_P2 | NCBI | XP\_031962041.1 | N86 |  |
| *Coturnix japonica* | Bi\_Cja\_P2 | NCBI | XP\_032298541.1 | N86 |  |
| *Cyanistes caeruleus* | Bi\_Cca\_P2 | NCBI | XP\_023774356.1 | N76 |  |
| *Cygnus atratus* | Bi\_Cat\_P2 | NCBI | XP\_035415225.1 | N86 |  |
| *Dromaius novaehollandiae* | Bi\_Dno\_P2 | NCBI | XP\_025968853.1 | N86 |  |
| *Egretta garzetta* | Bi\_Ega\_P2 | NCBI | XP\_035749612.1 | N22 |  |
| *Empidonax traillii* | Bi\_Etr\_P2 | NCBI | XP\_027750696.1 | N86 |  |
| *Falco rusticolus* | Bi\_Fru\_P2 | NCBI | XP\_037245163.1 | N86 |  |
| *Haliaeetus leucocephalus* | Bi\_Hle\_P2 | NCBI | XP\_010579620.1 | N126 |  |
| *Manacus vitellinus* | Bi\_Mvi\_P2 | NCBI | XP\_029813918.1 | N71 |  |
| *Melopsittacus undulatus* | Bi\_Mun\_P2 | NCBI | XP\_005146178.2 | N86 |  |
| *Molothrus ater* | Bi\_Mat\_P2 | NCBI | XP\_036256424.1 | N86 |  |
| *Motacilla alba alba* | Bi\_Mal\_P2 | NCBI | XP\_038010765.1 | N86 |  |
| *Neopelma chrysocephalum* | Bi\_Nch\_P2 | NCBI | XP\_027535024.1 | N86 |  |
| *Numida meleagris* | Bi\_Nme\_P2 | NCBI | XP\_021240408.1 | N86 |  |
| *Oxyura jamaicensis* | Bi\_Oja\_P2 | NCBI | XP\_035193675.1 | N86 |  |
| *Parus major* | Bi\_Pma\_P2 | NCBI | XP\_015484402.1 | N86 |  |
| *Pipra filicauda* | Bi\_Pfi\_P2 | NCBI | XP\_027567659.1 | N86 |  |
| *Pseudopodoces humilis* | Bi\_Phu\_P2 | NCBI | XP\_005519269.1 | N86 |  |
| *Serinus canaria* | Bi\_Scn\_P2 | NCBI | XP\_009085052.2 | N86 |  |
| *Sturnus vulgaris* | Bi\_Svu\_P2 | NCBI | XP\_014733257.1 | N86 |  |
| *Zonotrichia albicollis* | Bi\_Zal\_P2 | NCBI | XP\_005481979.1 | N86 |  |
| *Taeniopygia guttata* | Bi\_Tgu\_P3 | UniProt | Pannexin3 | H0YR79 | N71 |  |
| *Hirundo rustica rustica* | Bi\_Hru\_P3 | UniProt | A0A3M0IZB0 | N61 |  |
| *Lonchura striata domestica* | Bi\_Lst\_P3 | UniProt | A0A218UUK2 | N71 |  |
| *Strigops habroptila* | Bi\_Sha\_P3 | UniProt | A0A672V6F5 | N103 | N273 |
| *Phasianus colchicus* | Bi\_Pco\_P3 | UniProt | A0A669Q018 | N71 |  |
| *Aythya fuligula* | Bi\_Afu\_P3 | UniProt | A0A6J3E864 | N71 |  |
| *Colinus virginianus* | Bi\_Cvi\_P3 | UniProt | A0A226PPB6 | N71 |  |
| *Gallus gallus* | Bi\_Gga\_P3 | UniProt | E1C4Y1 | N71 |  |
| *Patagioenas fasciata monilis* | Bi\_Pfa\_P3 | UniProt | A0A1V4J5Y1 | N71 |  |
| *Meleagris gallopavo* | Bi\_Mga\_P3 | UniProt | G1MQ73 | N71 |  |
| *Callipepla squamata* | Bi\_Csq\_P3 | UniProt | A0A226MLA8 | N71 |  |
| *Ficedula albicollis* | Bi\_Fal\_P3 | UniProt | U3JRK8 | N71 |  |
| *Geospiza fortis* | Bi\_Gfo\_P3 | UniProt | A0A6I9HUA3 | N71 |  |
| *Charadrius vociferus* | Bi\_Cvo\_P3 | UniProt | A0A0A0AZC0 | N71 |  |
| *Nipponia nippon* | Bi\_Nni\_P3 | UniProt | A0A091VF57 | N71 |  |
| *Calypte anna* | Bi\_Can\_P3 | UniProt | A0A091I7C6 | N71 |  |
| *Columba livia* | Bi\_Cli\_P3 | UniProt | A0A2I0LS85 | N23 |  |
| *Gopherus agassizii* | Bi\_Gag\_P3 | UniProt | A0A452GF72 | N71 N98 |  |
| *Struthio camelus australis* | Bi\_Sca\_P3 | UniProt | A0A093HZH4 | N79 |  |
| *Fulmarus glacialis* | Bi\_Fgl\_P3 | UniProt | A0A093IN65 | N71 |  |
| *Merops nubicus* | Bi\_Mnu\_P3 | UniProt | A0A091QRW3 | N52 |  |
| *Acanthisitta chloris* | Bi\_Ach\_P3 | NCBI | XP\_009078415.1 | N75 |  |
| *Anas platyrhynchos* | Bi\_Apl\_P3 | NCBI | XP\_005021150.2 | N112 |  |
| *Anser cygnoides domesticus* | Bi\_Acy\_P3 | NCBI | XP\_013044092.1 | N199 |  |
| *Antrostomus carolinensis* | Bi\_Aca\_P3 | NCBI | XP\_010165258.1 | N71 |  |
| *Aptenodytes forsteri* | Bi\_Afo\_P3 | NCBI | XP\_009271296.1 | N59 |  |
| *Apteryx rowi* | Bi\_Aro\_P3 | NCBI | XP\_025927543.1 | N71 |  |
| *Aquila chrysaetos chrysaetos* | Bi\_Acc\_P3 | NCBI | XP\_029877108.1 | N71 |  |
| *Calidris pugnax* | Bi\_Cpu\_P3 | NCBI | XP\_014816557.1 | N126 | N296 |
| *Camarhynchus parvulus* | Bi\_Cpa\_P3 | NCBI | XP\_030820709.1 | N71 |  |
| *Catharus ustulatus* | Bi\_Cus\_P3 | NCBI | XP\_032937775.1 | N71 |  |
| *Chiroxiphia lanceolata* | Bi\_Cla\_P3 | NCBI | XP\_032565566.1 | N71 |  |
| *Corapipo altera* | Bi\_Cal\_P3 | NCBI | XP\_027511312.1 | N71 |  |
| *Corvus moneduloides* | Bi\_Cmo\_P3 | NCBI | XP\_031989432.1 | N71 | N241 |
| *Coturnix japonica* | Bi\_Cja\_P3 | NCBI | XP\_015739660.1 | N71 |  |
| *Cyanistes caeruleus* | Bi\_Cca\_P3 | NCBI | XP\_023797290.1 | N71 |  |
| *Cygnus atratus* | Bi\_Cat\_P3 | NCBI | XP\_035411496.1 | N71 |  |
| *Dromaius novaehollandiae* | Bi\_Dno\_P3 | NCBI | XP\_025978049.1 | N71 |  |
| *Egretta garzetta* | Bi\_Ega\_P3 | NCBI | XP\_009640436.2 | N71 |  |
| *Empidonax traillii* | Bi\_Etr\_P3 | NCBI | XP\_027753610.1 | N71 |  |
| *Falco rusticolus* | Bi\_Fru\_P3 | NCBI | XP\_037265660.1 | N173 |  |
| *Haliaeetus leucocephalus* | Bi\_Hle\_P3 | NCBI | XP\_010579651.1 | N71 |  |
| *Manacus vitellinus* | Bi\_Mvi\_P3 | NCBI | XP\_008927671.2 | N71 |  |
| *Melopsittacus undulatus* | Bi\_Mun\_P3 | NCBI | XP\_030899285.2 | N73 | N243 |
| *Molothrus ater* | Bi\_Mat\_P3 | NCBI | XP\_036253401.1 | N71 |  |
| *Motacilla alba alba* | Bi\_Mal\_P3 | NCBI | XP\_038017206.1 | N71 |  |
| *Neopelma chrysocephalum* | Bi\_Nch\_P3 | NCBI | XP\_027555064.1 | N71 |  |
| *Numida meleagris* | Bi\_Nme\_P3 | NCBI | XP\_021231805.1 | N71 |  |
| *Oxyura jamaicensis* | Bi\_Oja\_P3 | NCBI | XP\_035201899.1 | N112 |  |
| *Parus major* | Bi\_Pma\_P3 | NCBI | XP\_015505324.1 | N71 |  |
| *Pipra filicauda* | Bi\_Pfi\_P3 | NCBI | XP\_027566534.1 | N71 |  |
| *Pseudopodoces humilis* | Bi\_Phu\_P3 | NCBI | XP\_005528553.2 | N71 |  |
| *Serinus canaria* | Bi\_Scn\_P3 | NCBI | XP\_009096107.2 | N71 |  |
| *Sturnus vulgaris* | Bi\_Svu\_P3 | NCBI | XP\_014744271.1 | N71 |  |
| *Zonotrichia albicollis* | Bi\_Zal\_P3 | NCBI | XP\_005494983.1 | N71 |  |

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| **Mammals** | *Homo sapiens* | Ma\_Hsa\_P1 | UniProt | Pannexin1 | Q96RD7 |  | N255 |
| *Pan paniscus* | Ma\_Ppa\_P1 | UniProt | A0A2R9C7D5 |  | N255 |
| *Pan troglodytes* | Ma\_Ptr\_P1 | UniProt | H2Q4K2 |  | N255 |
| *Gorilla gorilla gorilla* | Ma\_Ggo\_P1 | UniProt | G3QS53 | N91 | N255 |
| *Pongo abelii* | Ma\_Pab\_P1 | UniProt | Q5REE3 |  | N255 |
| *Colobus angolensis palliatus* | Ma\_Cpa\_P1 | UniProt | A0A2K5JB28 |  | N255 |
| *Macaca mulatta* | Ma\_Mma\_P1 | UniProt | G7NBI3 |  | N255 |
| *Rhinopithecus bieti* | Ma\_Rbi\_P1 | UniProt | A0A2K6MUY4 |  | N255 |
| *Cercocebus atys* | Ma\_Cat\_P1 | UniProt | A0A2K5KIT1 |  | N255 |
| *Macaca nemestrina* | Ma\_Mne\_P1 | UniProt | A0A2K6CGA6 |  | N255 |
| *Macaca fascicularis* | Ma\_Mfa\_P1 | UniProt | A0A2K5TZS3 |  | N255 |
| *Papio anubi* | Ma\_Pan\_P1 | UniProt | A0A096MWA1 |  | N255 |
| *Rhinopithecus roxellana* | Ma\_Rro\_P1 | UniProt | A0A2K6PJL4 |  | N255 |
| *Chlorocebus sabaeus* | Ma\_Csa\_P1 | UniProt | A0A0D9S1A7 |  | N255 |
| *Nomascus leucogenys* | Ma\_Nlu\_P1 | UniProt | G1R636 |  | N254 |
| *Saimiri boliviensis* | Ma\_Sbo\_P1 | UniProt | A0A2K6S3C6 |  | N255 |
| *Callithrix jacchus* | Ma\_Cja\_P1 | UniProt | U3DZX6 |  | N255 |
| *Propithecus coquereli* | Ma\_Pco\_P1 | UniProt | A0A2K6EYV7 |  | N255 |
| *Cebus capucinus imitator* | Ma\_Cim\_P1 | UniProt | A0A2K5PBZ7 |  | N257 |
| *Sapajus apella* | Ma\_Sap\_P1 | UniProt | A0A6J3JBW1 |  | N257 |
| *Otolemur garnettii* | Ma\_Oga\_P1 | UniProt | H0XCZ4 |  | N255 |
| *Ictidomys tridecemlineatus* | Ma\_Itr\_P1 | UniProt | I3M8M2 |  | N255 |
| *Cavia porcellus* | Ma\_Cpo\_P1 | UniProt | A0A286XBS9 |  | N255 |
| *Heterocephalus glaber* | Ma\_Hgl\_P1 | UniProt | A0A0N8EUD1 |  | N255 |
| *Peromyscus maniculatus bairdii* | Ma\_Pba\_P1 | UniProt | A0A6I9MAQ6 |  | N254 |
| *Rattus norvegicus* | Ma\_Rno\_P1 | UniProt | P60570 |  | N254 |
| *Aotus nancymaae* | Ma\_Ana\_P1 | UniProt | A0A2K5DWN9 |  | N241 |
| *Cricetulus griseus* | Ma\_Cgr\_P1 | UniProt | G3HSP2 | N96 | N254 |
| *Mus musculus* | Ma\_Mmu\_P1 | UniProt | Q9JIP4 |  | N254 |
| *Equus caballus* | Ma\_Eca\_P1 | UniProt | F7C3W9 |  | N255 |
| *Mesocricetus auratus* | Ma\_Mau\_P1 | UniProt | A0A1U7QQT1 |  | N256 |
| *Trichechus manatus latirostris* | Ma\_Tla\_P1 | UniProt | A0A2Y9E395 |  | N255 |
| *Neotoma lepida* | Ma\_Nle\_P1 | UniProt | A0A1A6G167 |  | N271 |
| *Tursiops truncatus* | Ma\_Ttr\_P1 | UniProt | A0A2U3V8G6 |  | N255 |
| *Physeter macrocephalus* | Ma\_Pma\_P1 | UniProt | A0A2Y9FJ50 |  | N255 |
| *Neophocaena asiaeorientalis* | Ma\_Nas\_P1 | UniProt | A0A341A8Q8 |  | N255 |
| *Rhinolophus ferrumequinum* | Ma\_Rfe\_P1 | UniProt | A0A671FXP1 |  | N258 |
| *Lynx canadensis* | Ma\_Lcn\_P1 | UniProt | A0A667HL08 |  | N255 |
| *Felis catus* | Ma\_Fca\_P1 | UniProt | M3W287 |  | N255 |
| *Acinonyx jubatus* | Ma\_Aju\_P1 | UniProt | A0A6J0A8G9 |  | N255 |
| *Lipotes vexillifer* | Ma\_Lve\_P1 | UniProt | A0A340WPY6 |  | N255 |
| *Suricata suricatta* | Ma\_Ssu\_P1 | UniProt | A0A673TP15 |  | N254 |
| *Ursus arctos horribilis* | Ma\_Uho\_P1 | UniProt | A0A3Q7VJA0 |  | N254 |
| *Ursus americanus* | Ma\_Uam\_P1 | UniProt | A0A452QFW3 |  | N254 |
| *Enhydra lutris kenyoni* | Ma\_Eke\_P1 | UniProt | A0A2Y9KKV7 |  | N254 |
| *Canis lupus familiaris* | Ma\_Cfa\_P1 | UniProt | E2RSM3 |  | N254 |
| *Vulpes vulpes* | Ma\_Vvu\_P1 | UniProt | A0A3Q7RZJ5 |  | N254 |
| *Neomonachus schauinslandi* | Ma\_Nsc\_P1 | UniProt | A0A2Y9G6U7 |  | N255 |
| *Ailuropoda melanoleuca* | Ma\_Ame\_P1 | UniProt | G1LZM9 |  | N254 |
| *Sus scrofa* | Ma\_Ssc\_P1 | UniProt | A0A4X1TY57 |  | N255 |
| *Mustela putorius furo* | Ma\_Mfu\_P1 | UniProt | M3YLD5 |  | N254 |
| *Zalophus californianus* | Ma\_Zca\_P1 | UniProt | A0A6J2C0T6 |  | N255 |
| *Callorhinus ursinus* | Ma\_Cur\_P1 | UniProt | A0A3Q7QSN6 |  | N255 |
| *Odobenus rosmarus divergens* | Ma\_Odi\_P1 | UniProt | A0A2U3WNY3 |  | N252 |
| *Ovis aries* | Ma\_Oar\_P1 | UniProt | W5NUS9 |  | N255 |
| *Vombatus ursinus* | Ma\_Vur\_P1 | UniProt | A0A4X2KTV1 |  | N252 |
| *Capra hircus* | Ma\_Chi\_P1 | UniProt | A0A452E6G1 |  | N252 |
| *Bos taurus* | Ma\_Bta\_P1 | UniProt | D7R519 |  | N252 |
| *Phyllostomus discolor* | Ma\_Pdi\_P1 | UniProt | A0A6J2M191 |  | N255 |
| *Monodelphis domestica* | Ma\_Mdo\_P1 | UniProt | F6WB40 |  | N256 |
| *Bos mutus* | Ma\_Bmu\_P1 | UniProt | A0A6B0S0N1 |  | N252 |
| *Tupaia chinensis* | Ma\_Tch\_P1 | UniProt | L8YGG9 |  | N195 |
| *Lynx pardinus* | Ma\_Lpa\_P1 | UniProt | A0A485N7G6 |  | N251 |
| *Muntiacus muntjak* | Ma\_Mmn\_P1 | UniProt | A0A5N3WCF1 |  | N236 |
| *Erinaceus europaeus* | Ma\_Eeu\_P1 | UniProt | A0A1S2ZKI4 |  | N247 |
| *Ornithorhynchus anatinus* | Ma\_Oan\_P1 | UniProt | F6YGX2 |  | N255 |
| *Phascolarctos cinereus* | Ma\_Pci\_P1 | UniProt | A0A6P5LE79 |  | N255 |
| *Artibeus jamaicensis* | Ma\_Aja\_P1 | NCBI | XP\_037009959.1 |  | N255 |
| *Arvicanthis niloticus* | Ma\_Ani\_P1 | NCBI | XP\_034347766.1 |  | N254 |
| *Balaenoptera musculus* | Ma\_Bms\_P1 | NCBI | XP\_036717529.1 |  | N255 |
| *Bubalus bubalis* | Ma\_Bbu\_P1 | NCBI | XP\_025141944.1 |  | N252 |
| *Camelus ferus* | Ma\_Cfe\_P1 | NCBI | EPY73615.1 |  | N253 |
| *Ceratotherium simum simum* | Ma\_Csi\_P1 | NCBI | XP\_004427496.1 |  | N255 |
| *Chinchilla lanigera* | Ma\_Cla\_P1 | NCBI | XP\_005379739.1 |  | N255 |
| *Desmodus rotundus* | Ma\_Dro\_P1 | NCBI | XP\_024430406.1 |  | N255 |
| *Elephantulus edwardii* | Ma\_Eed\_P1 | NCBI | XP\_006902427.1 |  | N253 |
| *Eptesicus fuscus* | Ma\_Efu\_P1 | NCBI | XP\_008147396.1 |  | N255 |
| *Fukomys damarensis* | Ma\_Fda\_P1 | NCBI | XP\_010631970.1 |  | N255 |
| *Grammomys surdaster* | Ma\_Gsu\_P1 | NCBI | XP\_028619221.1 |  | N254 |
| *Hipposideros armiger* | Ma\_Har\_P1 | NCBI | XP\_019512717.1 |  | N257 |
| *Hyaena hyaena* | Ma\_Hhy\_P1 | NCBI | XP\_039110936.1 |  | N255 |
| *Hylobates moloch* | Ma\_Hmo\_P1 | NCBI | XP\_032023064.1 |  | N255 |
| *Jaculus jaculus* | Ma\_Jja\_P1 | NCBI | XP\_004661987.1 |  | N254 |
| *Lontra canadensis* | Ma\_Lca\_P1 | NCBI | XP\_032708683.1 |  | N255 |
| *Manis javanica* | Ma\_Mja\_P1 | NCBI | XP\_036867488.1 |  | N254 |
| *Manis pentadactyla* | Ma\_Mpe\_P1 | NCBI | XP\_036779199.1 |  | N255 |
| *Marmota flaviventris* | Ma\_Mfl\_P1 | NCBI | XP\_027807195.1 |  | N255 |
| *Mastomys coucha* | Ma\_Mco\_P1 | NCBI | XP\_031199851.1 |  | N255 |
| *Microtus ochrogaster* | Ma\_Moc\_P1 | NCBI | XP\_005371751.1 |  | N254 |
| *Miniopterus natalensis* | Ma\_Mna\_P1 | NCBI | XP\_016062181.1 |  | N245 |
| *Molossus molossus* | Ma\_Mml\_P1 | NCBI | XP\_036115189.1 |  | N255 |
| *Monodon monoceros* | Ma\_Mmo\_P1 | NCBI | XP\_029062770.1 |  | N255 |
| *Mus pahari* | Ma\_Mpa\_P1 | NCBI | XP\_021062585.1 |  | N254 |
| *Mustela erminea* | Ma\_Mer\_P1 | NCBI | XP\_032214138.1 |  | N254 |
| *Myotis myotis* | Ma\_Mmy\_P1 | NCBI | KAF6325381.1 |  | N255 |
| *Nannospalax galili* | Ma\_Nga\_P1 | NCBI | XP\_008821339.2 |  | N254 |
| *Ochotona princeps* | Ma\_Opr\_P1 | NCBI | XP\_004585229.1 |  | N258 |
| *Octodon degus* | Ma\_Ode\_P1 | NCBI | XP\_004644824.1 |  | N255 |
| *Onychomys torridus* | Ma\_Oto\_P1 | NCBI | XP\_036049172.1 |  | N254 |
| *Orcinus orca* | Ma\_Oor\_P1 | NCBI | XP\_004265516.1 |  | N255 |
| *Panthera tigris altaica* | Ma\_Pal\_P1 | NCBI | XP\_007079092.1 |  | N255 |
| *Piliocolobus tephrosceles* | Ma\_Pte\_P1 | NCBI | XP\_023081403.1 |  | N255 |
| *Pipistrellus kuhlii* | Ma\_Pku\_P1 | NCBI | XP\_036282607.1 |  | N255 |
| *Rattus rattus* | Ma\_Rra\_P1 | NCBI | XP\_032765552.1 |  | N254 |
| *Rousettus aegyptiacus* | Ma\_Rae\_P1 | NCBI | XP\_016014201.2 |  | N255 |
| *Sarcophilus harrisii* | Ma\_Sha\_P1 | NCBI | XP\_003764363.1 |  | N255 |
| *Sorex araneus* | Ma\_Sar\_P1 | NCBI | XP\_004605226.1 |  | N250 |
| *Trachypithecus francoisi* | Ma\_Tfr\_P1 | NCBI | XP\_033063736.1 |  | N255 |
| *Trichosurus vulpecula* | Ma\_Tvu\_P1 | NCBI | XP\_036600207.1 |  | N255 |
| *Urocitellus parryii* | Ma\_Upa\_P1 | NCBI | XP\_026251872.1 |  | N255 |
| *Homo sapiens* | Ma\_Hsa\_P2 | UniProt | Pannexin2 | Q96RD6 | N86 |  |
| *Pan paniscus* | Ma\_Ppa\_P2 | UniProt | A0A2R9B2C5 | N10 |  |
| *Pan troglodytes* | Ma\_Ptr\_P2 | UniProt | H2RCN7 | N86 |  |
| *Gorilla gorilla gorilla* | Ma\_Ggo\_P2 | UniProt | G3REN9 | N10 |  |
| *Pongo abelii* | Ma\_Pab\_P2 | UniProt | A0A2J8XTC7 | N86 |  |
| *Colobus angolensis palliatus* | Ma\_Cpa\_P2 | UniProt | A0A2K5JE97 | N10 |  |
| *Macaca mulatta* | Ma\_Mma\_P2 | UniProt | F7GQW2 | N86 |  |
| *Rhinopithecus bieti* | Ma\_Rbi\_P2 | UniProt | A0A2K6K683 | N86 |  |
| *Cercocebus atys* | Ma\_Cat\_P2 | UniProt | A0A2K5NP46 | N86 |  |
| *Macaca nemestrina* | Ma\_Mne\_P2 | UniProt | A0A2K6AZ26 | N86 |  |
| *Macaca fascicularis* | Ma\_Mfa\_P2 | UniProt | A0A2K5WEJ8 | N86 |  |
| *Papio anubi* | Ma\_Pan\_P2 | UniProt | A0A096NKW4 | N86 |  |
| *Rhinopithecus roxellana* | Ma\_Rro\_P2 | UniProt | A0A2K6QFK2 | N86 |  |
| *Chlorocebus sabaeus* | Ma\_Csa\_P2 | UniProt | A0A0D9QYC0 | N76 |  |
| *Nomascus leucogenys* | Ma\_Nlu\_P2 | UniProt | G1QHZ5 | N10 |  |
| *Saimiri boliviensis* | Ma\_Sbo\_P2 | UniProt | A0A2K6SH06 | N68 |  |
| *Callithrix jacchus* | Ma\_Cja\_P2 | UniProt | U3ECX9 | N86 |  |
| *Propithecus coquereli* | Ma\_Pco\_P2 | UniProt | A0A2K6GDB8 | N79 |  |
| *Cebus capucinus imitator* | Ma\_Cim\_P2 | UniProt | A0A2K5QYT3 | N86 |  |
| *Sapajus apella* | Ma\_Sap\_P2 | UniProt | A0A6J3GUK9 | N86 |  |
| *Otolemur garnettii* | Ma\_Oga\_P2 | UniProt | H0XHR6 | N76 |  |
| *Ictidomys tridecemlineatus* | Ma\_Itr\_P2 | UniProt | I3NGV4 | N74 |  |
| *Cavia porcellus* | Ma\_Cpo\_P2 | UniProt | H0VYN7 | N73 |  |
| *Heterocephalus glaber* | Ma\_Hgl\_P2 | UniProt | G5B2I5 | N11 |  |
| *Peromyscus maniculatus bairdii* | Ma\_Pba\_P2 | UniProt | A0A6I9LF42 | N86 |  |
| *Rattus norvegicus* | Ma\_Rno\_P2 | UniProt | P60571 | N86 |  |
| *Aotus nancymaae* | Ma\_Ana\_P2 | UniProt | A0A2K5EAP5 | N86 |  |
| *Cricetulus griseus* | Ma\_Cgr\_P2 | UniProt | A0A3L7IAL3 | N76 |  |
| *Mus musculus* | Ma\_Mmu\_P2 | UniProt | Q6IMP4 | N86 |  |
| *Equus caballus* | Ma\_Eca\_P2 | UniProt | F6WMB5 | N86 |  |
| *Mesocricetus auratus* | Ma\_Mau\_P2 | UniProt | A0A1U7Q9L5 | N86 |  |
| *Trichechus manatus latirostris* | Ma\_Tla\_P2 | UniProt | A0A2Y9DRZ9 | N86 |  |
| *Neotoma lepida* | Ma\_Nle\_P2 | UniProt | A0A1A6H434 | N86 |  |
| *Tursiops truncatus* | Ma\_Ttr\_P2 | UniProt | A0A6J3S471 | N86 |  |
| *Physeter macrocephalus* | Ma\_Pma\_P2 | UniProt | A0A455BRV2 | N86 |  |
| *Neophocaena asiaeorientalis* | Ma\_Nas\_P2 | UniProt | A0A341ARA8 | N76 |  |
| *Rhinolophus ferrumequinum* | Ma\_Rfe\_P2 | UniProt | A0A671DWU1 | N86 |  |
| *Lynx canadensis* | Ma\_Lcn\_P2 | UniProt | A0A667GE52 | N86 |  |
| *Felis catus* | Ma\_Fca\_P2 | UniProt | M3WZJ0 | N86 |  |
| *Acinonyx jubatus* | Ma\_Aju\_P2 | UniProt | A0A6J2A8N2 | N86 |  |
| *Lipotes vexillifer* | Ma\_Lve\_P2 | UniProt | A0A340WX77 | N86 |  |
| *Suricata suricatta* | Ma\_Ssu\_P2 | UniProt | A0A673V4B6 | N40 |  |
| *Ursus arctos horribilis* | Ma\_Uho\_P2 | UniProt | A0A3Q7U433 | N53 |  |
| *Ursus americanus* | Ma\_Uam\_P2 | UniProt | A0A452RE23 | N76 |  |
| *Enhydra lutris kenyoni* | Ma\_Eke\_P2 | UniProt | A0A2Y9KUU6 | N86 |  |
| *Canis lupus familiaris* | Ma\_Cfa\_P2 | UniProt | F1Q3S2 | N31 |  |
| *Vulpes vulpes* | Ma\_Vvu\_P2 | UniProt | A0A3Q7V7D9 | N76 |  |
| *Neomonachus schauinslandi* | Ma\_Nsc\_P2 | UniProt | A0A2Y9GW88 | N135 |  |
| *Ailuropoda melanoleuca* | Ma\_Ame\_P2 | UniProt | G1L6D3 | N77 |  |
| *Sus scrofa* | Ma\_Ssc\_P2 | UniProt | F1RXR8 | N86 |  |
| *Mustela putorius furo* | Ma\_Mfu\_P2 | UniProt | M3XTJ0 | N86 |  |
| *Zalophus californianus* | Ma\_Zca\_P2 | UniProt | A0A6J2D7M5 | N86 |  |
| *Callorhinus ursinus* | Ma\_Cur\_P2 | UniProt | A0A3Q7PWV3 | N86 |  |
| *Odobenus rosmarus divergens* | Ma\_Odi\_P2 | UniProt | A0A2U3WLB4 | N86 |  |
| *Ovis aries* | Ma\_Oar\_P2 | UniProt | W5QEP8 | N86 |  |
| *Vombatus ursinus* | Ma\_Vur\_P2 | UniProt | A0A4X2JPB0 | N86 |  |
| *Capra hircus* | Ma\_Chi\_P2 | UniProt | A0A452EJ42 | N86 |  |
| *Bos taurus* | Ma\_Bta\_P2 | UniProt | G5E5X7 | N76 |  |
| *Phyllostomus discolor* | Ma\_Pdi\_P2 | UniProt | A0A6J2NGK3 | N86 |  |
| *Monodelphis domestica* | Ma\_Mdo\_P2 | UniProt | F7BXZ6 | N86 |  |
| *Bos mutus* | Ma\_Bmu\_P2 | UniProt | A0A6B0S1I4 | N86 |  |
| *Tupaia chinensis* | Ma\_Tch\_P2 | NCBI | XP\_006157674.1 | N137 |  |
| *Lynx pardinus* | Ma\_Lpa\_P2 | UniProt | A0A485NY69 | N76 |  |
| *Muntiacus muntjak* | Ma\_Mmn\_P2 | UniProt | A0A5N3UQH5 | N86 |  |
| *Erinaceus europaeus* | Ma\_Eeu\_P2 | UniProt | A0A1S3W6F9 | N76 |  |
| *Ornithorhynchus anatinus* | Ma\_Oan\_P2 | UniProt | F6REB3 | N86 |  |
| *Phascolarctos cinereus* | Ma\_Pci\_P2 | UniProt | A0A6P5K055 | N86 |  |
| *Artibeus jamaicensis* | Ma\_Aja\_P2 | NCBI | XP\_037016654.1 | N86 |  |
| *Arvicanthis niloticus* | Ma\_Ani\_P2 | NCBI | XP\_034372977.1 | N86 |  |
| *Balaenoptera musculus* | Ma\_Bms\_P2 | NCBI | XP\_036723320.1 | N86 |  |
| *Bubalus bubalis* | Ma\_Bbu\_P2 | NCBI | XP\_006066378.1 | N86 |  |
| *Camelus ferus* | Ma\_Cfe\_P2 | NCBI | XP\_032348456.1 | N86 |  |
| *Ceratotherium simum simum* | Ma\_Csi\_P2 | NCBI | XP\_004438058.1 | N76 |  |
| *Chinchilla lanigera* | Ma\_Cla\_P2 | NCBI | XP\_005379603.2 | N86 |  |
| *Desmodus rotundus* | Ma\_Dro\_P2 | NCBI | XP\_024435428.1 | N77 |  |
| *Elephantulus edwardii* | Ma\_Eed\_P2 | NCBI | XP\_006888084.1 | N86 |  |
| *Eptesicus fuscus* | Ma\_Efu\_P2 | NCBI | XP\_027986859.1 | N86 |  |
| *Fukomys damarensis* | Ma\_Fda\_P2 | NCBI | XP\_010632792.2 | N63 |  |
| *Grammomys surdaster* | Ma\_Gsu\_P2 | NCBI | XP\_028609543.1 | N86 |  |
| *Hipposideros armiger* | Ma\_Har\_P2 | NCBI | XP\_019524199.1 | N86 |  |
| *Hyaena hyaena* | Ma\_Hhy\_P2 | NCBI | XP\_039090668.1 | N86 |  |
| *Hylobates moloch* | Ma\_Hmo\_P2 | NCBI | XP\_031994640.1 | N86 |  |
| *Jaculus jaculus* | Ma\_Jja\_P2 | NCBI | XP\_004650458.1 | N86 |  |
| *Lontra canadensis* | Ma\_Lca\_P2 | NCBI | XP\_032738627.1 | N86 |  |
| *Manis javanica* | Ma\_Mja\_P2 | NCBI | XP\_036862618.1 | N86 |  |
| *Manis pentadactyla* | Ma\_Mpe\_P2 | NCBI | XP\_036785923.1 | N86 |  |
| *Marmota flaviventris* | Ma\_Mfl\_P2 | NCBI | XP\_027801199.1 | N86 |  |
| *Mastomys coucha* | Ma\_Mco\_P2 | NCBI | XP\_031208345.1 | N87 |  |
| *Microtus ochrogaster* | Ma\_Moc\_P2 | NCBI | XP\_005354426.1 | N86 |  |
| *Miniopterus natalensis* | Ma\_Mna\_P2 | NCBI | XP\_016067142.1 | N33 |  |
| *Molossus molossus* | Ma\_Mml\_P2 | NCBI | XP\_036134165.1 | N86 |  |
| *Monodon monoceros* | Ma\_Mmo\_P2 | NCBI | XP\_029061606.1 | N86 |  |
| *Mus pahari* | Ma\_Mpa\_P2 | NCBI | XP\_021072578.1 | N86 |  |
| *Mustela erminea* | Ma\_Mer\_P2 | NCBI | XP\_032201727.1 | N91 |  |
| *Myotis myotis* | Ma\_Mmy\_P2 | NCBI | XP\_036167207.1 | N86 |  |
| *Nannospalax galili* | Ma\_Nga\_P2 | NCBI | XP\_008832951.1 | N86 |  |
| *Ochotona princeps* | Ma\_Opr\_P2 | NCBI | XP\_004589470.1 | N86 |  |
| *Octodon degus* | Ma\_Ode\_P2 | NCBI | XP\_004642471.1 | N76 |  |
| *Onychomys torridus* | Ma\_Oto\_P2 | NCBI | XP\_036064611.1 | N86 |  |
| *Orcinus orca* | Ma\_Oor\_P2 | NCBI | XP\_004279653.1 | N86 |  |
| *Panthera tigris altaica* | Ma\_Pal\_P2 | NCBI | XP\_007094099.1 | N37 |  |
| *Piliocolobus tephrosceles* | Ma\_Pte\_P2 | NCBI | XP\_023078062.1 | N86 |  |
| *Pipistrellus kuhlii* | Ma\_Pku\_P2 | NCBI | XP\_036285979.1 | N86 |  |
| *Rattus rattus* | Ma\_Rra\_P2 | NCBI | XP\_032775238.1 | N86 |  |
| *Rousettus aegyptiacus* | Ma\_Rae\_P2 | NCBI | XP\_015980844.2 | N86 |  |
| *Sarcophilus harrisii* | Ma\_Sha\_P2 | NCBI | XP\_031794057.1 | N86 |  |
| *Sorex araneus* | Ma\_Sar\_P2 | NCBI | XP\_004610637.1 | N86 |  |
| *Trachypithecus francoisi* | Ma\_Tfr\_P2 | NCBI | XP\_033089402.1 | N86 |  |
| *Trichosurus vulpecula* | Ma\_Tvu\_P2 | NCBI | XP\_036617560.1 | N86 |  |
| *Urocitellus parryii* | Ma\_Upa\_P2 | NCBI | XP\_026269320.1 | N86 |  |
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| *Pan paniscus* | Ma\_Ppa\_P3 | UniProt | A0A2R9A6D7 | N71 |  |
| *Pan troglodytes* | Ma\_Ptr\_P3 | UniProt | H2Q511 | N71 |  |
| *Gorilla gorilla gorilla* | Ma\_Ggo\_P3 | UniProt | G3QMD9 | N71 |  |
| *Pongo abelii* | Ma\_Pab\_P3 | UniProt | H2NFQ4 | N71 |  |
| *Colobus angolensis palliatus* | Ma\_Cpa\_P3 | UniProt | A0A2K5JLU5 | N71 |  |
| *Macaca mulatta* | Ma\_Mma\_P3 | UniProt | F6THN1 | N71 |  |
| *Rhinopithecus bieti* | Ma\_Rbi\_P3 | UniProt | A0A2K6MV84 | N71 |  |
| *Cercocebus atys* | Ma\_Cat\_P3 | UniProt | A0A2K5MVP2 | N71 |  |
| *Macaca nemestrina* | Ma\_Mne\_P3 | UniProt | A0A2K6BEN2 | N71 |  |
| *Macaca fascicularis* | Ma\_Mfa\_P3 | UniProt | G7PPK7 | N71 |  |
| *Papio anubi* | Ma\_Pan\_P3 | UniProt | A0A096N4L5 | N71 |  |
| *Rhinopithecus roxellana* | Ma\_Rro\_P3 | UniProt | A0A2K6PEF4 | N71 |  |
| *Chlorocebus sabaeus* | Ma\_Csa\_P3 | UniProt | A0A0D9S467 | N71 |  |
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| *Saimiri boliviensis* | Ma\_Sbo\_P3 | UniProt | A0A2K6SDN2 | N71 |  |
| *Callithrix jacchus* | Ma\_Cja\_P3 | UniProt | F7I231 | N61 |  |
| *Propithecus coquereli* | Ma\_Pco\_P3 | UniProt | A0A2K6FAF4 | N71 |  |
| *Cebus capucinus imitator* | Ma\_Cim\_P3 | UniProt | A0A2K5PM93 | N71 |  |
| *Sapajus apella* | Ma\_Sap\_P3 | UniProt | A0A6J3IFP7 | N71 |  |
| *Otolemur garnettii* | Ma\_Oga\_P3 | UniProt | H0WXJ5 | N71 |  |
| *Ictidomys tridecemlineatus* | Ma\_Itr\_P3 | UniProt | I3MFF1 | N71 |  |
| *Cavia porcellus* | Ma\_Cpo\_P3 | UniProt | A0A286XWY5 | N71 |  |
| *Heterocephalus glaber* | Ma\_Hgl\_P3 | UniProt | G5C494 | N71 | N241 |
| *Peromyscus maniculatus bairdii* | Ma\_Pba\_P3 | UniProt | A0A6I9MNZ6 | N71 |  |
| *Rattus norvegicus* | Ma\_Rno\_P3 | UniProt | P60572 | N71 |  |
| *Aotus nancymaae* | Ma\_Ana\_P3 | UniProt | A0A2K5ES49 | N71 |  |
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| *Mus musculus* | Ma\_Mmu\_P3 | UniProt | Q8CEG0 | N71 |  |
| *Equus caballus* | Ma\_Eca\_P3 | UniProt | F6TM26 | N71 |  |
| *Mesocricetus auratus* | Ma\_Mau\_P3 | UniProt | A0A1U7Q549 | N71 |  |
| *Trichechus manatus latirostris* | Ma\_Tla\_P3 | UniProt | A0A2Y9DSF5 | N71 |  |
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| *Tursiops truncatus* | Ma\_Ttr\_P3 | UniProt | A0A2U4BWR8 | N71 |  |
| *Physeter macrocephalus* | Ma\_Pma\_P3 | UniProt | A0A2Y9F9T2 | N71 |  |
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| *Ursus arctos horribilis* | Ma\_Uho\_P3 | UniProt | A0A3Q7XES1 | N71 |  |
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| *Enhydra lutris kenyoni* | Ma\_Eke\_P3 | UniProt | A0A2Y9K7L0 | N71 |  |
| *Canis lupus familiaris* | Ma\_Cfa\_P3 | UniProt | F6X9T9 | N71 |  |
| *Vulpes vulpes* | Ma\_Vvu\_P3 | UniProt | A0A3Q7T450 | N71 |  |
| *Neomonachus schauinslandi* | Ma\_Nsc\_P3 | UniProt | A0A2Y9HKM4 | N71 |  |
| *Ailuropoda melanoleuca* | Ma\_Ame\_P3 | UniProt | D2HNJ7 | N71 |  |
| *Sus scrofa* | Ma\_Ssc\_P3 | UniProt | F1S7B4 | N71 |  |
| *Mustela putorius furo* | Ma\_Mfu\_P3 | UniProt | M3Y3U5 | N71 |  |
| *Zalophus californianus* | Ma\_Zca\_P3 | UniProt | A0A6J2BNI3 | N71 |  |
| *Callorhinus ursinus* | Ma\_Cur\_P3 | UniProt | A0A3Q7QV52 | N71 |  |
| *Odobenus rosmarus divergens* | Ma\_Odi\_P3 | UniProt | A0A2U3WW42 | N71 |  |
| *Ovis aries* | Ma\_Oar\_P3 | UniProt | W5PL29 | N71 |  |
| *Vombatus ursinus* | Ma\_Vur\_P3 | UniProt | A0A4X2M6S5 | N71 |  |
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| *Bos taurus* | Ma\_Bta\_P3 | UniProt | E1BF03 | N71 |  |
| *Phyllostomus discolor* | Ma\_Pdi\_P3 | UniProt | A0A6J2MY87 | N71 | N251 |
| *Monodelphis domestica* | Ma\_Mdo\_P3 | UniProt | A0A5F8GYX9 | N71 |  |
| *Bos mutus* | Ma\_Bmu\_P3 | UniProt | L8I524 | N71 |  |
| *Tupaia chinensis* | Ma\_Tch\_P3 | UniProt | L9LC01 | N71 |  |
| *Lynx pardinus* | Ma\_Lpa\_P3 | UniProt | A0A485NRD7 | N71 |  |
| *Muntiacus muntjak* | Ma\_Mmn\_P3 | UniProt | A0A5N3W7D5 | N71 |  |
| *Erinaceus europaeus* | Ma\_Eeu\_P3 | UniProt | A0A1S2ZKE6 | N71 |  |
| *Ornithorhynchus anatinus* | Ma\_Oan\_P3 | UniProt | F7FBT0 | N71 |  |
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| *Arvicanthis niloticus* | Ma\_Ani\_P3 | NCBI | XP\_034347210.1 | N71 |  |
| *Balaenoptera musculus* | Ma\_Bms\_P3 | NCBI | XP\_036717877.1 | N71 |  |
| *Bubalus bubalis* | Ma\_Bbu\_P3 | NCBI | XP\_006057699.1 | N71 |  |
| *Camelus ferus* | Ma\_Cfe\_P3 | NCBI | EPY88774.1 | N61 |  |
| *Ceratotherium simum simum* | Ma\_Csi\_P3 | NCBI | XP\_004438471.1 | N71 |  |
| *Chinchilla lanigera* | Ma\_Cla\_P3 | NCBI | XP\_005378486.1 | N71 |  |
| *Desmodus rotundus* | Ma\_Dro\_P3 | NCBI | XP\_024412909.1 | N71 |  |
| *Elephantulus edwardii* | Ma\_Eed\_P3 | NCBI | XP\_006892860.1 | N71 |  |
| *Eptesicus fuscus* | Ma\_Efu\_P3 | NCBI | XP\_008140807.1 | N71 |  |
| *Fukomys damarensis* | Ma\_Fda\_P3 | NCBI | XP\_010627024.1 | N71 |  |
| *Grammomys surdaster* | Ma\_Gsu\_P3 | NCBI | XP\_028611748.1 | N71 |  |
| *Hipposideros armiger* | Ma\_Har\_P3 | NCBI | XP\_019514417.1 | N71 |  |
| *Hyaena hyaena* | Ma\_Hhy\_P3 | NCBI | XP\_039106088.1 | N71 |  |
| *Hylobates moloch* | Ma\_Hmo\_P3 | NCBI | XP\_032023672.1 | N71 |  |
| *Jaculus jaculus* | Ma\_Jja\_P3 | NCBI | XP\_004670660.1 | N71 |  |
| *Lontra canadensis* | Ma\_Lca\_P3 | NCBI | XP\_032724944.1 | N71 |  |
| *Manis javanica* | Ma\_Mja\_P3 | NCBI | XP\_036856700.1 | N71 |  |
| *Manis pentadactyla* | Ma\_Mpe\_P3 | NCBI | XP\_036762610.1 | N71 |  |
| *Marmota flaviventris* | Ma\_Mfl\_P3 | NCBI | XP\_027808948.1 | N70 |  |
| *Mastomys coucha* | Ma\_Mco\_P3 | NCBI | XP\_031200342.1 | N71 |  |
| *Microtus ochrogaster* | Ma\_Moc\_P3 | NCBI | XP\_005347114.1 | N71 | N241 |
| *Miniopterus natalensis* | Ma\_Mna\_P3 | NCBI | XP\_016059870.1 | N71 |  |
| *Molossus molossus* | Ma\_Mml\_P3 | NCBI | XP\_036133125.1 | N71 |  |
| *Monodon monoceros* | Ma\_Mmo\_P3 | NCBI | XP\_029065382.1 | N71 |  |
| *Mus pahari* | Ma\_Mpa\_P3 | NCBI | XP\_021063549.1 | N71 |  |
| *Mustela erminea* | Ma\_Mer\_P3 | NCBI | XP\_032215910.1 | N71 |  |
| *Myotis myotis* | Ma\_Mmy\_P3 | NCBI | XP\_036209098.1 | N71 | N252 |
| *Nannospalax galili* | Ma\_Nga\_P3 | NCBI | XP\_008833384.1 | N71 |  |
| *Ochotona princeps* | Ma\_Opr\_P3 | NCBI | XP\_004597767.1 | N71 |  |
| *Octodon degus* | Ma\_Ode\_P3 | NCBI | XP\_004641432.1 | N71 |  |
| *Onychomys torridus* | Ma\_Oto\_P3 | NCBI | XP\_036047678.1 | N71 |  |
| *Orcinus orca* | Ma\_Oor\_P3 | NCBI | XP\_004280746.1 | N70 |  |
| *Panthera tigris altaica* | Ma\_Pal\_P3 | NCBI | XP\_007074112.1 | N71 |  |
| *Piliocolobus tephrosceles* | Ma\_Pte\_P3 | NCBI | XP\_023064293.1 | N71 |  |
| *Pipistrellus kuhlii* | Ma\_Pku\_P3 | NCBI | XP\_036304963.1 | N71 |  |
| *Rattus rattus* | Ma\_Rra\_P3 | NCBI | XP\_032766411.1 | N71 |  |
| *Rousettus aegyptiacus* | Ma\_Rae\_P3 | NCBI | XP\_015980403.2 | N71 |  |
| *Sarcophilus harrisii* | Ma\_Sha\_P3 | NCBI | XP\_003764390.1 | N71 |  |
| *Sorex araneus* | Ma\_Sar\_P3 | NCBI | XP\_004604838.1 | N71 |  |
| *Trachypithecus francoisi* | Ma\_Tfr\_P3 | NCBI | XP\_033063462.1 | N71 |  |
| *Trichosurus vulpecula* | Ma\_Tvu\_P3 | NCBI | XP\_036598858.1 | N71 |  |
| *Urocitellus parryii* | Ma\_Upa\_P3 | NCBI | XP\_026260355.1 | N71 |  |