**Table S2.** Database parameters of "adult beta-globin of deer"

| Entry | Entry name | Protein names | Organism | URL |
|---|---|---|---|---|
| A0A220IG96 | A0A220IG96_ELADA | Adult beta globin | Pere David's deer (*Elaphurus davidianus*) | https://www.uniprot.org/uniprot/A0A220IG96 |
| A0A220IG99 | A0A220IG99_DAMDA | Adult beta globin | Fallow deer (*Dama. dama*) | https://www.uniprot.org/uniprot/A0A220IG99 |
| A0A220IGA2 | A0A220IGA2_PRZAL | Adult beta globin | White-lipped deer (*Przewalskium. albirostris*) | https://www.uniprot.org/uniprot/A0A220IGA2 |
| A0A220IGA1 | A0A220IGA1_RUCDU | Adult beta globin | Cervus duvaucelii (*Rucervus duvaucelii*) | https://www.uniprot.org/uniprot/A0A220IGA1 |
| A0A220IG98 | A0A220IG98_9CETA | Adult beta globin | Bactrian deer (*Cervus hanglu bactrianus*) | https://www.uniprot.org/uniprot/A0A220IG98 |
| A0A220IG91 | A0A220IG91_ODOVR | Adult beta globin | White-tailed deer (*Odocoileus virginianus*) | https://www.uniprot.org/uniprot/A0A220IG91 |
| A0A220IGA7 | A0A220IGA7_HYDIN | Adult beta globin | Chinese water deer (*Hydropotes inermis*) | https://www.uniprot.org/uniprot/A0A220IGA7 |
| A0A220IGB0 | A0A220IGB0_CAPCA | Adult beta globin | European roe deer (*Capreolus capreolus*) | https://www.uniprot.org/uniprot/A0A220IGB0 |
| A0A220IG97 | A0A220IG97_CERNI | Adult beta globin | Sika deer (*Cervus. nippon*) | https://www.uniprot.org/uniprot/A0A220IG97 |
| A0A220IGB1 | A0A220IGB1_CEREL | Adult beta globin | Red deer (*Cervus. elaphus*) | https://www.uniprot.org/uniprot/A0A220IGB1 |
| A0A220IG90 | A0A220IG90_9CETA | Adult beta globin | Eurasian elk (*Alces. alces*) | https://www.uniprot.org/uniprot/A0A220IG90 |
| A0A220IG93 | A0A220IG93_PUDPU | Adult beta globin | Southern pudu (*Pudu pudu*) | https://www.uniprot.org/uniprot/A0A220IG93 |
| A0A220IGA3 | A0A220IGA3_9CETA | Adult beta globin | North American wapiti (*Cervus. canadensis*) | https://www.uniprot.org/uniprot/A0A220IGA3 |
| A0A220IG95 | A0A220IG95_MUNRE | Adult beta globin | Reeves' muntjac (*Muntiacus reevesi*) | https://www.uniprot.org/uniprot/A0A220IG95 |
| A0A220IGA4 | A0A220IGA4_RANTA | Adult beta globin | Reindeer (*Rangifer. tarandus*) | https://www.uniprot.org/uniprot/A0A220IGA4 |