**Additional file 3 Reference sequences information.**

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| **Species** | **GenBank accession number** |
| *Ailuropoda melanoleuca* | XM\_011219124.2 |
| *Alligator sinensis* | XM\_014527067.2 |
| *Anas platyrhynchos* | XM\_027469875.1 |
| *Anser cygnoides* | XM\_013189397.1 |
| *Callorhinchus milii* | NM\_001292579.1 |
| *Chelonia mydas* | XM\_007064778.2 |
| *Columba livia* | XM\_013366679.2 |
| *Ctenopharyngodon idella* | JN866602.1 |
| *Danio rerio* | AY398358.1 |
| *Equus caballus* | NM\_001081835.2 |
| *Gallus* | NM\_204902.2 |
| *Geospiza fortis* | XM\_005426371.1 |
| *Gorilla* | XM\_019039569.1 |
| *Homo* | CR456863.1 |
| *Lctalurus punctatus* | XM\_017491680.1 |
| *Oncorhynchus mykiss* | DQ403261.1 |
| *Oryctolagus cuniculus* | XM\_008273516.2 |
| *Papio Anubis* | XM\_009191721.3 |
| *Pelodiscus sinensis* | XM\_006125307.2 |
| *Python bivittatus* | XM\_007424365.2 |