**Supplemental Table S1.** **Information of the completed TLR15 gene sequences from avian and reptilian species.**

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| --- | --- | --- | --- | --- |
| **No.** | **Taxon** | **Scientific Name** | **Accession No.** | **Length (bp)** |
| 1 | Aves | *Anas platyrhynchos* | XM\_005018870 | 2595 |
| 2 | Aves | *Anser anser* | JQ014619 | 2598 |
| 3 | Aves | *Apaloderma vittatum* | XM\_009870709 | 2616 |
| 4 | Aves | *Aptenodytes forsteri* | XM\_009288440 | 2625 |
| 5 | Aves | *Balearica regulorum gibbericeps* | XM\_010298512 | 2625 |
| 6 | Aves | *Buceros rhinoceros silvestris* | XM\_010142512 | 2613 |
| 7 | Aves | *Calypte anna* | XM\_008493258 | 2628 |
| 8 | Aves | *Caprimulgus carolinensis* | XM\_010174731 | 2622 |
| 9 | Aves | *Cariama cristata* | XM\_009706095 | 2625 |
| 10 | Aves | *Chaetura pelagica* | XM\_010004652 | 2625 |
| 11 | Aves | *Charadrius vociferus* | XM\_009886001 | 2625 |
| 12 | Aves | *Chlamydotis macqueenii* | XM\_010125500 | 2625 |
| 13 | Aves | *Colius striatus* | XM\_010206127 | 2577 |
| 14 | Aves | *Columba livia* | XM\_005513180 | 2517 |
| 15 | Aves | *Corvus brachyrhynchos* | XM\_008642044 | 2625 |
| 16 | Aves | *Corvus cornix cornix* | XM\_010402971 | 2625 |
| 17 | Aves | *Coturnix coturnix* | HM773176 | 2607 |
| 18 | Aves | *Cuculus canorus* | XM\_009560965 | 2625 |
| 19 | Aves | *Egretta garzetta* | XM\_009640695 | 2625 |
| 20 | Aves | *Eurypyga helias* | XM\_010151478 | 2616 |
| 21 | Aves | *Falco cherrug* | XM\_005445628 | 2622 |
| 22 | Aves | *Falco peregrinus* | XM\_005235036 | 2619 |
| 23 | Aves | *Ficedula albicollis* | ENSFALG00000015347 | 2628 |
| 24 | Aves | *Fulmarus glacialis* | XM\_009586905 | 2625 |
| 25 | Aves | *Gallus gallus* | NM\_001037835 | 2607 |
| 26 | Aves | *Gallus lafayetii* | FJ915220 | 2607 |
| 27 | Aves | *Gallus sonneratii* | FJ915243 | 2607 |
| 28 | Aves | *Gavia stellata* | XM\_009821678 | 2625 |
| 29 | Aves | *Geospiza fortis* | XM\_005422603 | 2625 |
| 30 | Aves | *Haliaeetus albicilla* | XM\_009927303 | 2622 |
| 31 | Aves | *Haliaeetus leucocephalus* | XM\_010574879 | 2625 |
| 32 | Aves | *Leptosomus discolor* | XM\_009953779 | 2625 |
| 33 | Aves | *Manacus vitellinus* | XM\_008924845 | 2634 |
| 34 | Aves | *Meleagris gallopavo* | ENSMGAG00000015891 | 2604 |
| 35 | Aves | *Melopsittacus undulatus* | XM\_005144697 | 2622 |
| 36 | Aves | *Merops nubicus* | XM\_008943754 | 2610 |
| 37 | Aves | *Mesitornis unicolor* | XM\_010182944 | 2625 |
| 38 | Aves | *Nestor notabilis* | XM\_010013070 | 2622 |
| 39 | Aves | *Nipponia nippon* | XM\_009476126 | 2625 |
| 40 | Aves | *Opisthocomus hoazin* | XM\_009931299 | 2625 |
| 41 | Aves | *Pelecanus crispus* | XM\_009492835 | 2628 |
| 42 | Aves | *Phaethon lepturus* | XM\_010282406 | 2613 |
| 43 | Aves | *Phalacrocorax carbo* | XM\_009507639 | 2625 |
| 44 | Aves | *Picoides pubescens* | XM\_009902092 | 2556 |
| 45 | Aves | *Pseudopodoces humilis* | XM\_005525475 | 2625 |
| 46 | Aves | *Pterocles gutturalis* | XM\_010085978 | 2673 |
| 47 | Aves | *Pygoscelis adeliae* | XM\_009319611 | 2625 |
| 48 | Aves | *Serinus canaria* | XM\_009093733 | 2586 |
| 49 | Aves | *Struthio camelus australis* | XM\_009669051 | 2625 |
| 50 | Aves | *Taeniopygia guttata* | XM\_002197069 | 2625 |
| 51 | Aves | *Tauraco erythrolophus* | XM\_009979140 | 2622 |
| 52 | Aves | *Tinamus guttatus* | XM\_010218127 | 2637 |
| 53 | Aves | *Tyto alba* | XM\_009975442 | 2616 |
| 54 | Aves | *Zonotrichia albicollis* | XM\_005486787 | 2625 |
| 55 | Reptiles | *Alligator mississippiensis* | XM\_006274445 | 2628 |
| 56 | Reptiles | *Alligator sinensis* | XM\_006021588 | 2628 |
| 57 | Reptiles | *Python bivittatus* | XM\_007444506 | 2169 |