Appendix 1. Altitudinal distribution and main black color of plumage in males of 60 species and subspecies of thrushes used in the plumage reconstruction analysis. It is include the continent where each species inhabit and if have latitudinal migration (partial migration mean that all individuals from one species migrate to non-reproductive areas, but reproductive and non-reproductive areas overlap geographically). Information was obtained from Clement and Hathway (2000) and Collar (2005) reviews of the Turdidae family.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  | **Altitudinal distribution (m)** | | |
| **Species** | **Geographic region** | **Plumage color** | **Migratory behavior** | **lower** | **middle** | **upper** |
| *Turdus pelios* | Africa | brown | yes | 0 | 1200 | 2400 |
| *Turdus libonyanus* | Africa | grey | no | 900 | 1200 | 1500 |
| *Turdus olivaceus olivaceofuscus* | Africa | brown | no | 0 | 1000 | 2000 |
| *Turdus olivaceus smithi* | Africa | black | partial | 1500 | 2450 | 3400 |
| *Turdus olivaceus abyssinicus* | Africa | black | no | 900 | 2125 | 3350 |
| *Turdus olivaceus helleri* | Africa | black | no | 1615 | 1677.5 | 1740 |
| *Turdus olivaceus bewsheri* | Africa | brown | no | 0 | 350 | 700 |
| *Turdus olivaceus olivaceus* | Africa | grey | no | 800 | 1150 | 1500 |
| *Turdus olivaceus nyikae* | Africa | grey | no | 950 | 1700 | 2450 |
| *Turdus olivaceus transvaalensis* | Africa | grey | no | 800 | 1150 | 1500 |
| *Nesocichla eremita* | Africa | brown | no | 0 | 0 | 0 |
| *Turdus aurantius* | America | brown | no | 0 | 900 | 1800 |
| *Turdus plumbeus* | America | grey | no | 0 | 600 | 1200 |
| *Turdus chiguanco* | America | brown | no | 2000 | 3150 | 4300 |
| *Turdus nigrescens* | America | black | no | 2500 | 3160 | 3820 |
| *Turdus fuscater* | America | brown | no | 1400 | 2825 | 4250 |
| *Turdus infuscatus* | America | black | no | 1200 | 2350 | 3500 |
| *Turdus serranus* | America | black | no | 1500 | 2150 | 2800 |
| *Turdus nigriceps* | America | black | no | 500 | 1250 | 2000 |
| *Turdus reevei* | America | grey | no | 0 | 900 | 1800 |
| *Turdus olivater* | America | brown | no | 800 | 1550 | 2300 |
| *Turdus maranonicus* | America | brown | no | 200 | 1100 | 2000 |
| *Turdus fulviventris* | America | black | no | 1300 | 2000 | 2700 |
| *Turdus rufiventris* | America | brown | no | 0 | 1300 | 2600 |
| *Turdus falcklandii* | America | brown | no | 0 | 1075 | 2150 |
| *Turdus leucomelas* | America | brown | no | 0 | 950 | 1900 |
| *Turdus amaurochalinus* | America | brown | partial | 0 | 1050 | 2100 |
| *Turdus plebejus* | America | brown | partial | 1600 | 2162.5 | 2725 |
| *Turdus ignobilis* | America | brown | no | 900 | 1500 | 2100 |
| *Turdus lawrencii* | America | brown | no | 0 | 250 | 500 |
| *Turdus obsoletus* | America | brown | no | 50 | 775 | 1500 |
| *Turdus fumigatus* | America | brown | no | 0 | 500 | 1000 |
| *Turdus hauxwelli* | America | brown | no | 0 | 200 | 400 |
| *Turdus grayi* | America | brown | no | 0 | 1350 | 2700 |
| *Turdus nudigenis* | America | brown | no | 0 | 500 | 1000 |
| *Turdus maculirostris* | America | brown | no | 0 | 1000 | 2000 |
| *Turdus haplochrous* | America | brown | no | 0 | 0 | 0 |
| *Turdus jamaicensis* | America | brown | no | 100 | 850 | 1800 |
| *Turdus assimilis* | America | brown | partial | 0 | 1500 | 3000 |
| *Turdus albicollis* | America | brown | no | 0 | 1200 | 2400 |
| *Turdus rufopalliatus* | America | brown | no | 0 | 750 | 1500 |
| *Turdus swalesi* | America | brown | no | 1360 | 1360 | 1360 |
| *Turdus migratorius* | America | black | partial | 0 | 1850 | 3700 |
| *Turdus rufitorques* | America | black | no | 1500 | 2565 | 3630 |
| *Platycichla leucops* | America | black | no | 1000 | 1500 | 2000 |
| *Platycichla flavipes* | America | black | no | 500 | 1250 | 2000 |
| *Cichlherminia lherminieri* | America | brown | no | 0 | 500 | 1000 |
| *Turdus hortulorum* | Asia | grey | yes | 0 | 550 | 1100 |
| *Turdus unicolor* | Asia | grey | partial | 1200 | 1950 | 2700 |
| *Turdus dissimilis* | Asia | black | no | 1200 | 1850 | 2500 |
| *Turdus cardis* | Asia | black | yes | 400 | 950 | 1500 |
| *Turdus boulboul* | Asia | black | no | 1500 | 1900 | 2300 |
| *Turdus poliocephalus* | Asia | black | no | 0 | 1375 | 2750 |
| *Turdus kessleri* | Asia | black | yes | 3600 | 4050 | 4500 |
| *Turdus obscurus* | Asia | brown | yes | 0 | 750 | 1500 |
| *Turdus pallidus* | Asia | brown | yes | 0 | 1650 | 3300 |
| *Turdus chrysolaus* | Asia | brown | yes | 0 | 1200 | 2400 |
| *Turdus ruficollis* | Asia | grey | yes | 0 | 1100 | 2200 |
| *Turdus naumanni* | Asia | brown | yes | 0 | 1500 | 3000 |
| *Turdus iliacus* | Eurasia | brown | yes | 0 | 0 | 0 |
| *Turdus philomelos* | Eurasia | brown | partial | 0 | 1100 | 2200 |
| *Turdus viscivorus* | Eurasia | brown | partial | 600 | 1150 | 1700 |
| *Turdus torquatus* | Europe | black | yes | 300 | 460 | 620 |
| *Turdus merula* | Europe | black | no | 0 | 2287.5 | 4575 |
| *Turdus pilaris* | Europe | grey | yes | 0 | 1155 | 2310 |

References

Clement, P. and Hathway, R. 2000. Thrushes. – Christopher Helm.

Collar, N. J. 2005. Family Turdidae (Thrushes). – In: del Hoyo, J., Elliott, A. and Christie, D. (eds.), Handbook of the birds of the world, volume 10. Cuckoo-shrikes to thrushes. Lynx Edicions, pp. 514–807.