Supplementary Material 1

References of original scientific descriptions

The sources of the original descriptions of all the taxa mentioned in the main study are listed below. For scientific descriptions of additional taxa mentioned in Supplementary Material 3 see del Hoyo et al. (2007, 2009).

Blanford W.T. (1873) Descriptions of a new Jay and a new Woodpecker from Persia. Ibis 15(2): p. 225 [*Garrulus glandarius hyrcanus*].

Bogdanov M.N. (1871) Pticy i zveri chernozem polosy Povolzh'ya. Tomus I. Kazan, p. 115 [*Garrulus glandarius sewerzowii*].

Boie H. (1826) Generalübersicht der ornithologischen Ordnungen, Familien und Gattungen. Isis von Oken 19(10): p. 975 [*Cissa*].

Bonaparte C.L. (1850) Conspectus generum avium. 1. Lugundi Batavorum, p. 376 [*Garrulus lidthi*].

Bonaparte C.-L. (1853) Notes sur les collections de M. A. Delattre. Comptes rendus hebdomadaires des séances de l'Académie des sciences 37: p. 828 [*Garrulus glandarius cervicalis*].

Brehm A.E. (1857) Vorläufige Zusammenstellung der Vögel Spaniens mit kritischer Benutzung der bisher von spanischen Ornithologen herausgegebenen Verzeichnisse. Allgemeine deutsche naturhistorische Zeitung, Neue Folge 3: p. 446 [*Garrulus glandarius fasciatus*].

Brisson M.J. (1760) Ornithologie ou Méthode contenant la Division des Oiseaux en Ordes, Sections, Genres, Especes & leurs Variétés. Tome II, Jean-Baptiste Bauche, Paris, p. 35 [*Pica*], p. 46 [*Garrulus*].

Cabanis J.L. (1851) Museum Heineanum. Verzeichnis der ornithologischen Sammlung des Oberamtmann Ferdinand Heine, auf Gut St. Burchard vor Halberstadt. I. Theil, Halberstadt, p. 87 [*Urocissa*].

Eversmann E.F. (1842) Addenda ad celeberrimi Pallasii Zoographiam Rosso-Asiaticam, fasciculus 3: p. 8 [*Garrulus glandarius brandtii*].

Fischer von Waldheim J.G. (1821) Lettre adressée Docteur C.H. Pander, Société impériale des naturalistes de Moscou, p. 6 [*Podoces*].

Geoffroy Saint-Hilaire I. (1832) Études Zoologiques. fasciculus 1, plate 3, unpaginated [*Garrulus glandarius atricapillus*].

Gould J. (1833) On a new Genus of the Family Corvidae. Proceedings of the Zoological Society of London, 1833, Part I. (5): p. 57 [*Dendrocitta*].

Gould J. (1863) Descriptions of Sixteen New Species of Birds from the Island of Formosa, collected by Robert Swinhoe, Esq., Her Majesty's Vice-Consul at Formosa. Proceedings of the Scientific Meetings of the Zoological Society of London, 1862 (3): p. 282 [*Garrulus glandarius taivanus*].

Hartert E. (1903) Die Vögel der paläarktischen Fauna. Band I. R. Friendländer & Sohn, Berlin, p. 30 [*Garrulus glandarius rufitergum*], p. 33 [*Garrulus glandarius whitakeri*].

Hartert E. (1918) *Garrulus bispecularis* and its allies, with list of all forms of Garrulus. Novitates Zoologicae 25: p. 430 [*Garrulus glandarius interstinctus*, *Garrulus glandarius persaturatus*].

del Hoyo J., Elliott A. & Christie D.A. (eds.) (2007) Handbook of the Birds of the World, Volume 12.

Picathartes to Tits and Chickadees. Lynx Edicions, Barcelona.

del Hoyo J., Elliott A. & Christie D.A. (eds.) (2009) Handbook of the Birds of the World, Volume 14. Bush-shrikes to old world sparrows. Lynx Edicions, Barcelona.

Hume A.O. (1874) New species of birds exhibited and characterized by Mr. A.O. Hume, C. S., C. B., Proceedings of the Asiatic Society of Bengal 5: p. 106 [*Garrulus glandarius leucotis*].

Kaleniczenko J. (1839) Nouvelle espèce de Geai. Bulletin de la Société Impériale des Naturalistes de Moscou 12(3): p. 325 [*Garrulus glandarius krynicki*].

Keve A. (1939) A new Jay from the Balkans. Bulletin of the British Ornithologists' Club 59(4): p. 71 [*Garrulus glandarius graecus*].

Keve A. (1939) Rendszertani tanulmányok a Kárpátok medencéjének varju-féléin és azok földrajzi fajtakörein. II. *Garrulus glandarius*. Aquila 42-45: p. 545 (German translation: p. 548) [*Garrulus glandarius samios*].

Keve A. (1944) Ein neuer Eichelhäher aus Südost-Bulgarien – *Garrulus glandarius ferdinandi* ssp. n. Aquila, 50: p. 370 [*Garrulus glandarius ferdinandi*].

Keve A. (1973) Über einige taxonomische Fragen der Eichelhäher des Nahen Ostens. Zoologische Abhandlungen aus dem Staatlichen Museum für Tierkunde in Dresden 32(12): p. 189 [*Garrrulus glandarius susianae*].

Kleinschmidt O. (1903) Neue Formen von Sardinien. Ornithologische Monatsberichte 11: p.92 [*Garrulus glandarius ichnusae*].

Kleinschmidt O. (1920) Eine überraschende neue Häherform. Falco 16: p.28 [*Garrulus glandarius albipectus*].

Kuroda N. (1923) Descriptions of new subspecies from Japan. Bulletin of the British Ornithologists' Club 43(5): p. 86 [*Garrulus glandarius orii*].

Kuroda N. (1927) Description of an apparently new Form of Jay from the Island of Hokkaido, Japan. Bulletin of the British Ornithologists' Club 47(5): p. 149 [*Garrulus glandarius pallidifrons*].

Laubmann A. (1912) Zwei neue paläarktische Formen. Verhandlungen der ornithologischen Gesellschaft Bayern 11: p.164 [*Garrulus glandarius corsicanus*].

Lesson R.P. (1831) Traite d'ornithologie. Paris, p. 341 [*Temnurus*].

Linnaeus C. (1758) Systema naturae per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis. 10th edition, Tomus I. Stockholm, p. 105 [*Corvus*], p. 106 [*Garrulus glandarius*].

Linnaeus C. (1766) Systema naturae per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis. 12th edition, Tomus I. Stockholm, p. 157 [*Ptilostomus afer*].

Lönnberg E. (1908) Contributions to the Ornis of Saghalin. Journal of the College of Science, Imperial University of Tokyo, Japan 23: p. 7 [*Garrulus glandarius taczanowskii*].

Madarász J. (1902) Der cyprische Heher. Ornithologische Monatsberichte 10: p. 163 [*Garrulus glandarius glaszneri*].

Meinertzhagen R. (1920) Descriptions of new subspecies from various localities. Bulletin of the British Ornithologists' Club 41(1): p. 19 [*Garrulus glandarius cretorum*].

Moltoni E. (1938) *Zavattariornis stresemanni* novum genus et nova species Corvidarum. Ornithologische Monatsberichte 46(3): p. 80 [*Zavattariornis*, *Zavattariornis stresemanni*].

Momiyama T.T. (1927) Descriptions of new birds from Japan, Korea, and Sakhalin. Bulletin of the British Ornithologists' Club 48(1): p. 19 [*Garrulus glandarius hiugaensis*].

Reichenbach H.G.L. (1850) Avium systema naturale – Das natürliche System der Vögel. Dresden & Leipzig, plate 80 [*Platysmurus*].

Rippon G. (1905) On four new species of birds. Bulletin of the British Ornithologists' Club 15 (9): p. 97 [*Garrulus glandarius haringtoni*].

Salvadori T. & Festa E. (1913) Escursioni zoologiche nell'Isola di Rodi. Bolletino dei Musei di Zoologia ed Anatomia comparata della Università di Torino 28(673): p. 2 [*Garrulus glandarius rhodius*].

Seebohm H. (1883) Notes on the Birds of the Caucasus. Ibis 25(1): p. 7 [*Garrulus glandarius anatoliae*], p. 8 [*Garrulus glandarius caspius*].

Sharpe R.B. (1896) *Garrulus oatesi*, n. sp. Bulletin of the British Ornithologists' Club 5(8): p. 44 [*Garrulus glandarius oatesi*].

Stresemann E. (1928) Neue Formen aus Nord-Kansu. Ornithologische Monatsberichte 36(2): p. 41 [*Garrulus glandarius kansuensis*].

Sushkin P. & Ptuschenko E. (1914) *Garrulus glandarius iphigenia*, n. subsp. Ornithologische Monatsberichte 22: p. 5 [*Garrulus glandarius iphigenia*].

Swainson W. (1837) On the natural history and classification of birds. Vol. II, London, p. 266 [*Ptilostomus*].

Swinhoe R. (1871) A Revised Catalogue of the Birds of China and its Islands, with Descriptions of New Species, References to former Notes, and occasional Remarks. Proceedings of the Scientific Meetings of the Zoological Society of London, 1871 (2): p. 381 [*Garrulus glandarius sinensis*].

Takatsukasa N. (1931) A New Form of Jay from Sado Island. Tori 7: p. 110 [*Garrulus glandarius tokugawae*].

Temminck C.J. & Schlegel H. (1847) Aves. In: Siebold P.F.B. (ed.) Fauna Japonica. Arnz et Soc., Lugduni Batavorum. p. 83 [*Garrulus glandarius japonicus*].

Tschusi V. (1904) Über paläarktische Formen. Ornithologisches Jahrbuch 15: p. 99 [*Garrulus glandarius koenigi*].

Tunstall M. (1771) Ornithologia Britannica. London, p. 2 [*Pyrrhocorax*].

Verreaux J.B.E. (1857) Description et figure d'une nouvelle espèce de Geai découverte, par M. le capitaine Loche, en Algérie. Revue et magasin de zoologie pure et appliquée, Série 2 Tomus 9: p. 439 [*Garrulus glandarius minor*].

Vieillot L.J.P (1816) Analyse d'une nouvelle ornithologie élémentaire. London, p. 36 [*Crypsirina*].

Vigors N.A. (1831) Observations on a Collection of Birds from the Himalayan Mountains, with Characters of New Genera and Species. Proceedings of the Committee of Science and Correspondence of the Zoological Society of London, 1830-1831, Part I. (1): p. 7 [*Garrulus glandarius bispecularis*, *Garrulus lanceolatus*].

Voous K. (1953) The geographical variation of the Jay (*Garrulus glandarius*) in Europe: a study on individual and clinal variation. Beaufortia 30(2): p.39 [*Garrulus glandarius lusitanicus*].

Whiterby H.F. & Hartert E. (1911) The Irish Jay - *Garrulus glandarius hibernicus* subsp. nov. British Birds 4(8): p. 235 [*Garrulus glandarius hibernicus*].