**Appendix S1.** Data providers for herbarium and germplasm occurrence data used in species distribution modelling and in the gap analysis measuring the representativeness of the germplasm collections in relation to the modelled distribution of each wild species. Record numbers with coordinates are those with unique locations from the total records supplied by data providers.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Source** | **GERMPLASM** | | **HERBARIUM** | |
| **Total No. of records** | **No. of records with coordinates** | **Total No. of records** | **No. of records with coordinates** |
| Asian Vegetable Research and Development Center, AVRDC, (TWN001), Taiwan | 63 | 63 |  |  |
| Asian Vegetable Research and Development Center, AVRDC, (TWN001), Taiwan, via GENESYS | 166 | 46 |  |  |
| Banco de Sementes A.L. Belo Correia, Museu Nacional de História Natural e da Ciência, Universidade de Lisboa, Portugal | 4 | 0 |  |  |
| Botanical Garden, University of Nijmegen, BGNIJME, (NLD020), The Netherlands, via ECPGR | 59 | 59 |  |  |
| Botanical Garden, University of Nijmegen, BGNIJME, (NLD020), The Netherlands, via GENESYS | 29 | 29 |  |  |
| Botanical Garden, University of Nijmegen, BGNIJME, (NLD020), The Netherlands, via GENESYS | 176 | 6 |  |  |
| Centre for Genetic Resources, the Netherlands Plant Research International, CGN, (NLD037), The Netherlands | 2 | 2 |  |  |
| Centre for Genetic Resources, the Netherlands Plant Research International, CGN, (NLD037), The Netherlands, via ECPGR | 1 | 1 |  |  |
| Centre for Genetic Resources, the Netherlands Plant Research International, CGN, (NLD037), The Netherlands, via GENESYS | 2 | 2 |  |  |
| Centre for Genetic Resources, the Netherlands Plant Research International, CGN, (NLD037), The Netherlands, via GENESYS | 15 | 1 |  |  |
| Chinese Academy of Sciences (CAS), China, via GBIF |  |  | 131 | 131 |
| Comunidad de Madrid. Universidad Politécnica de Madrid. Escuela Técnica Superior de Ingenieros Agrónomos. Banco de Germoplasma, UPM-BGV, (ESP003), Spain, via GENESYS | 5 | 1 |  |  |
| Comunidad de Madrid. Universidad Politécnica de Madrid. Escuela Técnica Superior de Ingenieros Agrónomos. Banco de Germoplasma, UPM-BGV, (ESP003), Spain, via GENESYS | 2 | 2 |  |  |
| EURISCO (accessed: 22 July 2012) | 82 | 82 |  |  |
| External Branch North of the Department Genebank, IPK, Potato Collection in Gross-Luesewitz, (DEU159), Germany, via GENESYS | 1 | 0 |  |  |
| Genebank, Leibniz Institute of Plant Genetics and Crop Plant Research, IPK, (DEU146), Germany, via GENESYS | 10 | 1 |  |  |
| Gobierno de Aragón. Centro de Investigación y Tecnología Agroalimentaria. Banco de Germoplasma de Hortícolas, CITA-HOR, (ESP027), Spain, via GENESYS | 1 | 0 |  |  |
| Institute of Botany, (ARM005), Armenia, via GENESYS | 2 | 0 |  |  |
| Institute of Vegetable and Melon Growing, IOB, (UKR021),Ukraine, via GENESYS | 2 | 0 |  |  |
| Jeju Folklore and Natural History Museum Plant Resources (JNHM), Korea, via GENESYS | 1 | 1 |  |  |
| Jeju Folklore and Natural History Museum Plant Resources (JNHM), Korea, via GENESYS | 1 | 1 |  |  |
| Millennium Seed Bank Project, Seed Conservation Department, Royal Botanic Gardens, Kew, Wakehurst Place, RBG, (GBR004), UK | 42 | 33 |  |  |
| Plant Genetic Resources Conservation Unit, Southern Regional Plant Introduction Station, University of Georgia, USDA-ARS, S9, (USA016), US, via GENESYS | 27 | 0 |  |  |
| Solanaceae Source Database. 2015. Solanaceae Source: a global taxonomic resource for the nightshades.http://www.solanaceaesource.org/ |  |  | 1130 | 68 |
| Solanaceae Source Database. 2015. Solanaceae Source: a global taxonomic resource for the nightshades.http://www.solanaceaesource.org/ (accessed 2014) |  |  | 4324 | 4324 |
| Solanaceae Source Database. 2015. Solanaceae Source: a global taxonomic resource for the nightshades.http://www.solanaceaesource.org/ (accessed 2014) |  |  | 33 | 33 |
| Station de Génétique et Amélioration des Fruits et Légumes, INRA Avignon, (FRA030), France, via ECPGR and M.-C. Daunay personal data | 215 | 215 |  |  |
| Plant Genetic Resources Conservation Unit, Southern Regional Plant Introduction Station, University of Georgia, USDA-ARS (USA016), USA | 28 | 28 |  |  |
| **Total** | **936** | **573** | **5618** | **4556** |