## **Table S4.** Target taxa used for phylogenetic reconstruction of LysM and LysM-type receptors kinases.

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| **Species name** | **Taxon ID** |
| *Arabidopsis thaliana* | 3702 |
| *Cicer arietinum*  | 3827 |
| *Cucurbita pepo subsp. pepo* | 3664 |
| *Fragaria vesca subsp. Vesca* | 101020 |
| *Glycine max* | 3847 |
| *Lotus japonicus* | 34305 |
| *Manihot esculenta* | 3983 |
| *Medicago truncatula* | 3880 |
| *Morus notabilis* | 981085 |
| *Oryza sativa Japonica group*  | 39947 |
| *Prunus persica*  | 3760 |
| *Ricinus communis*  | 3988 |
| *Solanum lycopersicum* | 4081 |
| *Sorghum bicolor subsp. bicolor*  | 4558 |
| *Theobroma cacao*  | 3641 |
| *Vigna radiata var. radiate* | 3916 |
| *Ziziphus jujuba*  | 326968 |