**S3 Table. 12 Non-AvrE protein sequences used for training the methods**

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| No | Protein | Accession number |
| 1 | PIP1-4 | NP\_567178 |
| 2 | Hyaluronan synthase | P0C0H1 |
| 3 | Lipoxygenase 1 | XP\_015632769 |
| 4 | MCM complex subunit Mcm2 | NP\_595477 |
| 5 | Ubiquinone biosynthesis | OJI35312 |
| 6 | trimethylguanosine synthase | NP\_473430 |
| 7 | NCAP\_CVM1 | P18446 |
| 8 | methylmalonyl-CoA | WP\_003407587 |
| 9 | glutamate | WP\_005902800 |
| 10 | A-kinase anchor protein 11 | NP\_057332 |
| 11 | copper-containing nitrite reductase | WP\_041987461 |
| 12 | MYC2 | Q39204 |