

Supplementary table 4. List of 30 compounds for UBE2J1 selected for binding detection via virtual screening.

| Name | CAS | Cat No. | K _b |
|--------------------------|-------------|---------|----------------|
| (+)-Galocatechin | 970-73-0 | T3845 | 3.84 μM |
| Agnuside | 11027-63-7 | T3868 | 6.04 μM |
| Apiopaeonoside | 100291-86-9 | T5S1645 | ND |
| Benzoylbiflorin | 184103-78-4 | TN7027 | 5.71 μM |
| Curculigoside | 85643-19-2 | T6S1966 | MD |
| Echinacoside | 82854-37-3 | T1716 | 1.49±0.16 μM |
| Forsythoside E | 93675-88-8 | T5S1094 | 2.66 μM |
| Ginkgetin | 481-46-9 | T4S2126 | 4.59 μM |
| Ginsenoside F3 | 62025-50-7 | T3829 | 3.11 μM |
| Ginsenoside F5 | 189513-26-6 | TN1684 | 3.56 μM |
| Isodemethylwedelolactone | 350681-33-3 | T5742 | 3.62 μM |
| Licochalcone A | 58749-22-7 | T3600 | ND |
| Loureirin C | 116384-24-8 | TN1054 | ND |
| Naringenin chalcone | 73692-50-9 | T2S2173 | 6.82 μM |
| Nodakenin | 495-31-8 | T3872 | ND |
| Orientin | 28608-75-5 | T6S0721 | 2.77 μM |
| Phlorizin | 60-81-1 | T2922 | ND |
| Piceatannol | 10083-24-6 | T0610 | 3.00 μM |
| Protosappanin B | 102036-29-3 | T6S1780 | 11.86 μM |
| Secoisolariciresinol | 29388-59-8 | TN2197 | 8.76 μM |
| Theflavin | 4670-05-7 | T7602 | 3.75 μM |
| Arctiin | 20362-31-6 | T2766 | ND |
| Avicularin | 572-30-5 | T6S0117 | 6.43 μM |
| Butein | 487-52-5 | T6427 | 1.62±0.18 μM |
| Icaritin | 118525-40-9 | T3398 | 4.77 μM |
| Maclurin | 519-34-6 | T20578 | ND |
| Shikonin | 517-89-5 | T1125 | 6.74 μM |
| Vitexin | 3681-93-4 | T6S1369 | 23.48 μM |
| Juglanin | 5041-67-8 | TQ0089 | 36.16 μM |
| Sulfuretin | 120-05-8 | TN2244 | 17.37 μM |

ND: No Binding Detected by SPR.