**S4 Table:** Resulted candidate repurposed drugs from DGB tool for each MEG

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **MEGs** | **Candidate Repurposed Drugs** | | | | |
| **Over Expressed MEGs** | **ATAD2** | BMS-536924 | AS-605240 | DL-PDMP | GW-405833 | CAY-10594 |
| **SNTB1** | trichostatin-a | vorinostat | PIK-75 | SN-38 | BRD-A68065211 |
| **ITGBL1** | CD-1530 | ISOX | AKT-inhibitor-1-2 | everolimus | vemurafenib |
| **TACSTD2** | trichostatin-a | vorinostat | PIK-75 | mepacrine | tanespimycin |
| **F2** | BRD-K99633092 | emetine |  |  |  |
| **PMEPA1** | AKT-inhibitor-1-2 | everolimus | pidorubicine | halometasone | pramipexole |
| **HSPH1** | trichostatin-a | pidorubicine | doxorubicin | COL-3 | KU-0063794 |
| **Under Expressed MEGs** | **PPARGC1A** | SN-38 | triptolide |  |  |  |
| **SLC26A2** | trichostatin-a | vorinostat | doxorubicin | quinine | tyrphostin-AG-1478 |
| **CLCA1** | trichostatin-a | selumetinib | BRD-K73261812 | BRD-K05402890 | troglitazone |