**Table S3. The cellular localization of successful and unsuccessful drug targets enriched by gene ontology.** P-values were computed by intersecting proteins assigned to GO terms listed below with proteins in the sets compared (successful and failed) using the hypergeometric distribution.

|  |  |  |
| --- | --- | --- |
|   | **Cellular Component** | **p-value** |
| **Successful Targets** | proteasome core complex | 7.81E-37 |
| proteasome core | 1.10E-28 |
| proteasome alpha-subunit | 5.68E-18 |
| cytosol | 7.53E-12 |
| protein complex | 1.88E-11 |
| **Failed Targets** | transmembrane transporter complex | 7.77E-15 |
| sodium-exchanging ATPase complex | 4.42E-14 |
| cation-transporting ATPase complex | 8.74E-13 |
| plasma membrane part  | 2.19E-11 |
| chloride channel complex | 2.33E-09 |