S1. Specific binding coefficient of GPX4 to genistein

```
mode |   affinity | dist from best mode
     | (kcal/mol) | rmsd l.b.| rmsd u.b.
-----+------------+----------+----------
   1       -7.0      0.000      0.000
   2       -6.9     19.339     22.907
   3       -6.7     20.905     23.690
   4       -6.4      1.620      2.076
   5       -6.3      1.716      6.619
   6       -6.2      1.763      2.105
   7       -6.1     28.614     30.585
   8       -6.1     28.372     30.790
   9       -6.1     19.344     23.252
  10       -5.9     27.816     28.849
  11       -5.9     14.122     17.113
  12       -5.9     28.411     29.458
  13       -5.9      1.301      6.861
  14       -5.8     28.188     29.240
  15       -5.7      1.844      6.714
  16       -5.7     17.051     17.717
  17       -5.7     18.953     21.176
  18       -5.6     21.952     24.515
  19       -5.5      3.908      8.666
  20       -5.4     15.951     17.802
Writing output ... done.
```

S2. Specific binding coefficient of SLC7A11 to genistein

mode	affinity (kcal/mol)	dist from best mode rmsd l.b.	rmsd u.b.
1	-8.0	0.000	0.000
2	-7.9	3.493	5.632
3	-7.8	12.559	13.289
4	-7.8	2.986	5.115
5	-7.7	12.732	14.485
6	-7.7	3.647	6.724
7	-7.7	13.138	14.613
8	-7.6	1.438	6.902
9	-7.1	12.393	14.461
10	-7.1	12.261	14.222
11	-7.0	12.407	13.294
12	-7.0	4.237	6.412
13	-7.0	11.750	12.261
14	-6.9	3.667	6.368
15	-6.9	2.773	3.862
16	-6.9	12.635	13.626
17	-6.9	2.895	6.635
18	-6.8	2.840	6.091
19	-6.7	3.288	6.499
20	-6.6	3.194	4.902

Writing output ... done.

S3. Specific binding coefficient of FoxO3 to genistein

mode	affinity (kcal/mol)	dist from best mode rmsd l.b.	rmsd u.b.
1	-9.5	0.000	0.000
2	-8.9	17.283	21.392
3	-8.5	14.793	17.096
4	-7.8	12.957	17.718
5	-7.7	15.609	17.974
6	-7.7	25.649	27.445
7	-7.6	14.810	17.788
8	-7.6	15.917	19.028
9	-7.5	14.753	17.654
10	-7.5	14.505	19.008
11	-7.4	13.066	16.135
12	-7.3	15.266	16.137
13	-7.3	15.041	15.850
14	-7.3	14.862	17.158
15	-7.2	12.355	14.356
16	-7.2	14.558	17.283
17	-7.2	24.973	27.706
18	-7.2	17.065	19.341
19	-7.1	12.826	15.372
20	-7.1	26.619	28.903

Writing output ... done.