

Supporting Information

**Protein corona of magnetic PEI /siRNA complex under the
influence of magnetic fields improves transfection efficiency via
complement and coagulation cascades**

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Supporting Information

Table S1. The size and zeta potential data of SPIO and stPEI-SPIO.

Sample	Size (nm)	Zeta potential (mV)
SPIO	10.9±2.47	
stPEI-SPIO	115.6±5.33	54.7±0.46

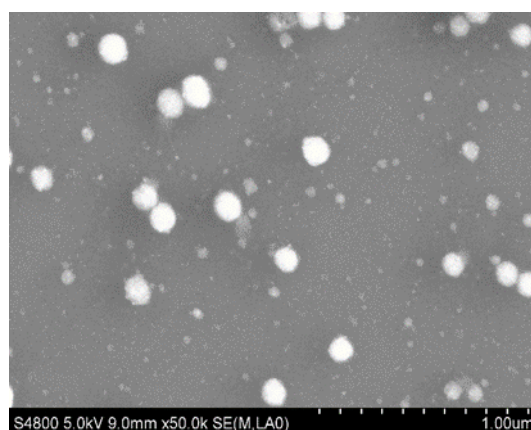


Fig. S1 SEM images of stPEI-SPIO.

Table S2. The size and zeta potential data of stPEI-SPIO/siRNA at different N/P ratios.

N/P	Size(nm)	Zeta potential (mV)
1	127.5±12.59	-27.0±2.76
5	145.3±7.10	-24.2±0.95
10	205.0±13.34	-20.0±1.05
20	167.3±12.52	37.2±1.25
40	114.3±7.13	38.5±1.74
50	105.0±6.02	43.3±1.68
60	72.6±4.97	46.4±1.15

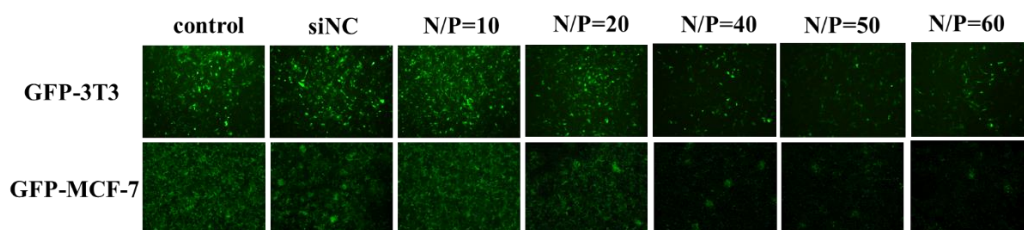


Fig. S2 Inverted fluorescence microscope images of GFP-3T3 cells and GFP-MCF-7 cells transfected with stPEI-SPIO/siRNA or siNC at different N/P ratios.

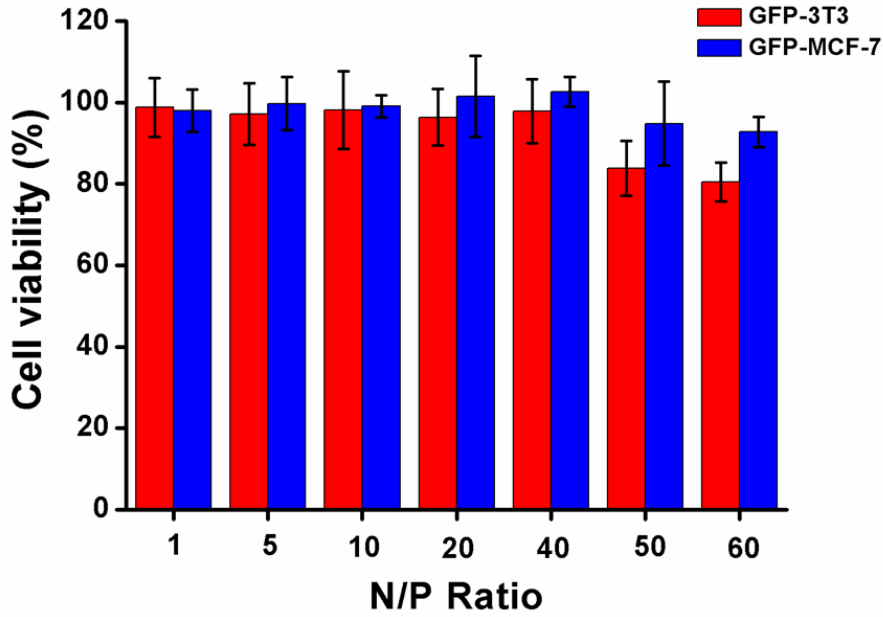


Fig.S3 Cell viabilities of GFP-3T3 cells and GFP-MCF-7 cells transfected with stPEI-SPIO/siRNA at different N/P ratios.

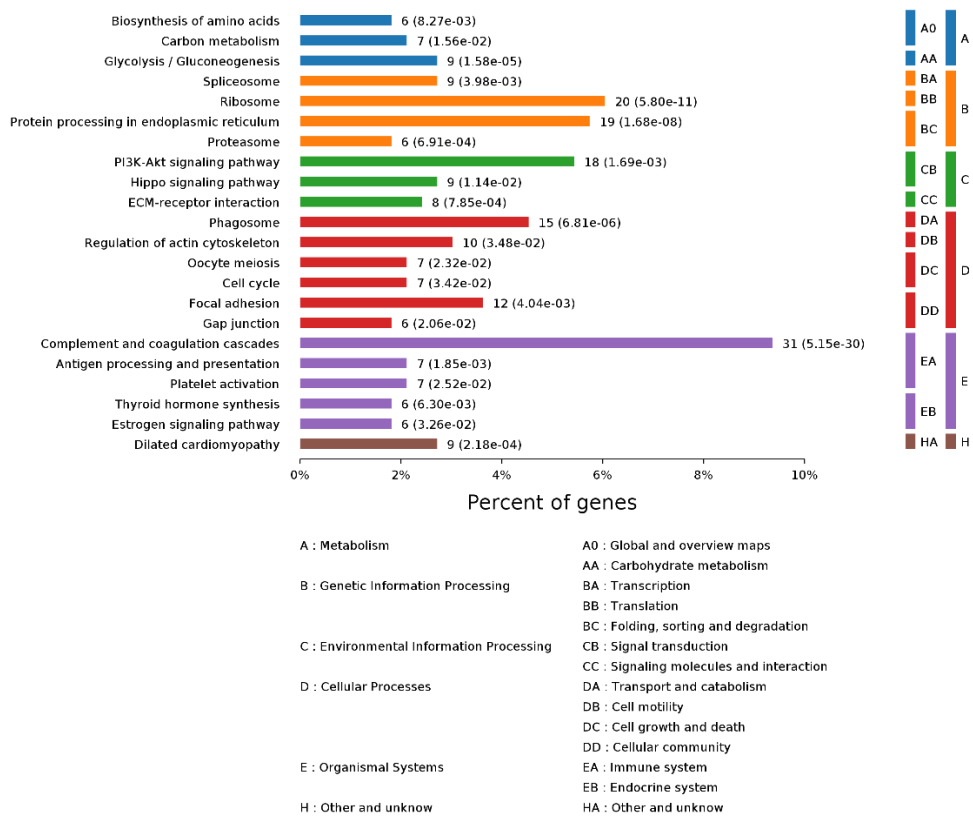


Fig.S4 KEGG pathway analysis of protein corona on the surface of nanocomplex transfected with GFP-3T3 cells under the influence of magnetic fields for 4 h.

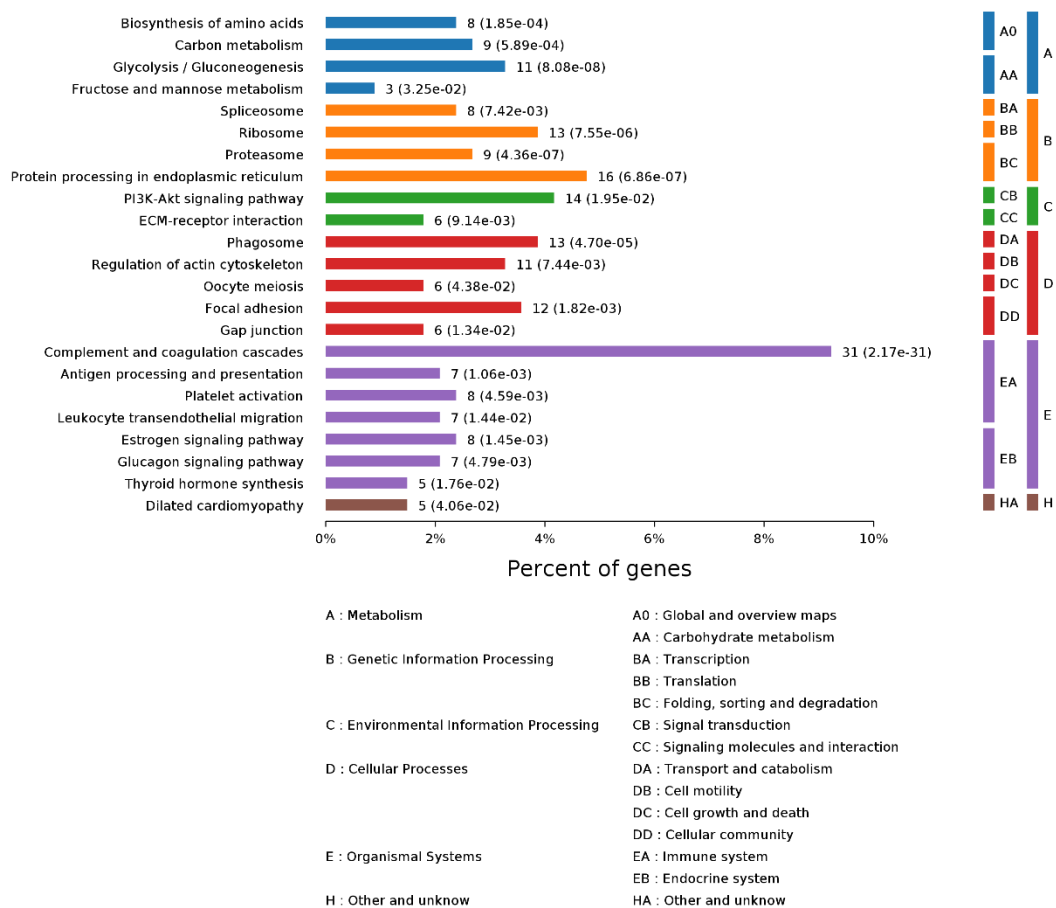


Fig.S5 KEGG pathway analysis of protein corona on the surface of nanocomplex transfected with GFP-MCF-7 cells under the influence of magnetic fields for 4 h.

Table S3. List of all detected proteins in the hard corona of 3T3-1,3T3-1MF,3T3-4,3T3-4MF.

Protein IDs	3T3-1	3T3-1MF	3T3-4	3T3-4MF
V6F9A2	2.01%	1.63%	2.04%	2.09%
P02081	1.56%	1.50%	1.60%	1.86%
A0A140T897	1.26%	1.28%	1.21%	1.57%
B0JYQ0	1.22%	1.25%	1.18%	1.53%
P02070	1.07%	1.08%	1.22%	1.35%
D4QBB3	1.00%	0.97%	1.10%	1.25%
P04264	0.91%	0.97%	0.93%	1.15%
F1N3Q7	0.88%	0.79%	0.91%	0.93%
P01966	0.85%	0.82%	0.90%	1.11%
G3X807	0.81%	0.82%	0.89%	1.09%

P02754	0.81%	0.72%	0.93%	1.01%
P42899	0.76%	0.71%	0.78%	0.82%
Q03247	0.74%	0.68%	0.80%	0.82%
P81644	0.74%	0.59%	0.52%	0.50%
P13645	0.73%	0.75%	0.75%	0.95%
P35908	0.73%	0.78%	0.80%	0.96%
P02662	0.72%	0.65%	0.68%	0.97%
P61603	0.70%	0.82%	0.83%	0.80%
B5B0D4	0.65%	0.57%	0.78%	0.80%
G3X6N3	0.64%	0.68%	0.59%	0.88%
Q0IHK2	0.64%	0.68%	0.57%	0.87%
P35527	0.60%	0.70%	0.71%	0.80%
P34955	0.59%	0.58%	0.51%	0.73%
Q5GN72	0.59%	0.57%	0.28%	0.59%
E1BJK2	0.55%	0.46%	0.59%	0.46%
E1BNR0	0.55%	0.51%	0.55%	0.60%
G3X6Q8	0.55%	0.40%	0.57%	0.30%
Q2KJD0	0.55%	0.48%	0.51%	0.56%
P02533	0.54%	0.66%	0.62%	0.63%
F1MYX2	0.53%	0.45%	0.55%	0.49%
F1MSZ6	0.53%	0.48%	0.52%	0.59%
Q2UVX4	0.52%	0.53%	0.44%	0.58%
P00735	0.52%	0.49%	0.55%	0.66%
P48616	0.52%	0.60%	0.61%	0.73%
P02663	0.51%	0.44%	0.53%	0.62%
Q28049	0.50%	0.51%	0.51%	0.62%
V6F9A3	0.50%	0.50%	0.49%	0.60%
Q3MHM5	0.49%	0.43%	0.52%	0.48%
P17697	0.48%	0.43%	0.47%	0.39%
Q3ZBS7	0.48%	0.48%	0.49%	0.57%
Q7SIH1	0.48%	0.48%	0.51%	0.52%
Q1RMK2	0.48%	0.48%	0.46%	0.59%
K4JDR8	0.47%	0.46%	0.53%	0.55%
P22226	0.47%	0.37%	0.44%	0.18%
P63103	0.47%	0.45%	0.54%	0.35%
G9HR27	0.45%	0.19%	0.21%	0.21%
K4JF16	0.45%	0.45%	0.46%	0.49%
ENSBTAP00000014147	0.45%	0.46%	0.50%	0.54%
A6QNW7	0.45%	0.43%	0.44%	0.53%
Q2KIW1	0.44%	0.40%	0.47%	0.34%
ENSBTAP00000007350	0.44%	0.42%	0.43%	0.37%
P02676	0.43%	0.42%	0.29%	0.21%
P62261	0.42%	0.39%	0.42%	0.27%
Q32S29	0.42%	0.56%	0.61%	0.63%

Q3MHN5	0.42%	0.42%	0.27%	0.45%
ENSBTAP00000024462	0.42%	0.42%	0.39%	0.48%
Q76LV2	0.42%	0.37%	0.48%	0.40%
P12763	0.41%	0.43%	0.46%	0.56%
Q2KIH2	0.41%	0.42%	0.41%	0.45%
P48668	0.41%	0.59%	0.55%	0.56%
P02538	0.41%	0.57%	0.53%	0.56%
O46375	0.41%	0.42%	0.37%	0.30%
ENSBTAP00000038329	0.41%	0.42%	0.46%	0.47%
Q76LV1	0.41%	0.37%	0.56%	0.38%
Q2HJ86	0.41%	0.39%	0.43%	0.46%
Q1RMN8	0.41%	0.41%	0.37%	0.49%
Q3T101	0.41%	0.41%	0.37%	0.49%
P00978	0.41%	0.32%	0.40%	0.39%
P04259	0.40%	0.59%	0.55%	0.55%
Q32L76	0.40%	0.32%	0.49%	0.49%
Q9TS85	0.39%	0.40%	0.35%	0.27%
P08779	0.39%	0.53%	0.38%	0.41%
P01252	0.39%	0.39%	0.59%	0.33%
P81948	0.39%	0.39%	0.44%	0.50%
P13647	0.39%	0.45%	0.53%	0.56%
P62157	0.39%	0.28%	0.46%	0.00%
P60712	0.38%	0.41%	0.47%	0.54%
F1N453	0.38%	0.43%	0.51%	0.46%
Q7M365	0.38%	0.38%	0.42%	0.51%
Q5E9Z2	0.38%	0.37%	0.36%	0.38%
P28800	0.38%	0.36%	0.32%	0.34%
G3X6E5	0.38%	0.19%	0.21%	0.00%
O46738	0.37%	0.12%	0.17%	0.17%
ENSBTAP00000024466	0.36%	0.37%	0.36%	0.46%
O46739	0.36%	0.18%	0.30%	0.12%
P00761	0.36%	0.39%	0.40%	0.56%
ENSBTAP00000018574	0.35%	0.33%	0.33%	0.38%
Q1RMN9	0.35%	0.38%	0.33%	0.44%
Q5E9I6	0.34%	0.35%	0.25%	0.27%
P02668	0.34%	0.31%	0.34%	0.46%
Q9N2I2	0.34%	0.32%	0.29%	0.25%
Q27967	0.33%	0.31%	0.28%	0.24%
P10096	0.33%	0.38%	0.34%	0.31%
F1MNW4	0.33%	0.30%	0.33%	0.36%
A8YXZ2	0.33%	0.21%	0.26%	0.13%
P00432	0.32%	0.30%	0.22%	0.19%
P17690	0.32%	0.31%	0.32%	0.27%
P55252	0.32%	0.16%	0.26%	0.12%

Q56K11	0.32%	0.25%	0.28%	0.29%
P63048	0.32%	0.36%	0.40%	0.38%
B8Y9S9	0.32%	0.31%	0.26%	0.22%
Q3SZF2	0.32%	0.29%	0.22%	0.27%
Q3Y5Z3	0.32%	0.30%	0.30%	0.28%
P00829	0.31%	0.30%	0.29%	0.37%
P60661	0.31%	0.25%	0.27%	0.09%
P61223	0.31%	0.23%	0.34%	0.38%
G1K1K0	0.31%	0.23%	0.09%	0.00%
Q3T169	0.31%	0.40%	0.24%	0.36%
P19483	0.31%	0.32%	0.31%	0.37%
F1N3A1	0.31%	0.12%	0.22%	0.07%
Q32PA1	0.30%	0.31%	0.29%	0.35%
Q0VCX2	0.30%	0.36%	0.39%	0.43%
Q28178	0.30%	0.11%	0.20%	0.06%
Q28065	0.30%	0.28%	0.24%	0.23%
P21809	0.30%	0.19%	0.17%	0.17%
Q3SZI4	0.30%	0.26%	0.35%	0.35%
Q3SYR8	0.30%	0.30%	0.33%	0.40%
Q8MII4	0.30%	0.00%	0.00%	0.00%
Q3ZBX9	0.29%	0.34%	0.37%	0.51%
P68250	0.29%	0.25%	0.23%	0.23%
A6QL81	0.29%	0.09%	0.07%	0.06%
Q95140	0.29%	0.31%	0.32%	0.35%
Q29RQ1	0.29%	0.19%	0.24%	0.15%
P56652	0.28%	0.25%	0.25%	0.26%
Q3ZBF7	0.28%	0.22%	0.31%	0.26%
Q3SZ57	0.28%	0.32%	0.13%	0.30%
Q3SZV7	0.28%	0.30%	0.16%	0.26%
Q04695	0.28%	0.36%	0.32%	0.35%
F1MUZ9	0.28%	0.33%	0.36%	0.33%
Q862S8	0.28%	0.24%	0.40%	0.27%
Q58D62	0.28%	0.35%	0.27%	0.37%
Q3MHN2	0.28%	0.27%	0.28%	0.31%
Q2TBR3	0.28%	0.30%	0.34%	0.32%
Q9TTE1	0.27%	0.27%	0.18%	0.29%
P61284	0.26%	0.40%	0.33%	0.49%
Q5J801	0.26%	0.33%	0.22%	0.39%
F1MKS5	0.26%	0.25%	0.18%	0.16%
Q05443	0.26%	0.20%	0.22%	0.16%
P02672	0.26%	0.25%	0.22%	0.16%
Q3MHW2	0.25%	0.36%	0.19%	0.33%
H6V5E5	0.25%	0.09%	0.23%	0.10%
A0A0F6QMJ3	0.25%	0.17%	0.20%	0.14%

ENSBTAP00000013050	0.25%	0.17%	0.16%	0.08%
P01045	0.25%	0.24%	0.21%	0.29%
P01044	0.25%	0.23%	0.22%	0.28%
Q32KY0	0.25%	0.25%	0.24%	0.30%
E1BPN4	0.25%	0.22%	0.20%	0.16%
Q2KJF1	0.24%	0.30%	0.12%	0.24%
P05787	0.24%	0.23%	0.28%	0.36%
F1MX87	0.24%	0.16%	0.16%	0.10%
XP_001252647	0.24%	0.34%	0.18%	0.39%
Q3ZC07	0.24%	0.26%	0.26%	0.30%
Q2KII3	0.24%	0.24%	0.22%	0.27%
Q29RU4	0.24%	0.14%	0.22%	0.15%
P05307	0.24%	0.33%	0.31%	0.29%
P35445	0.24%	0.09%	0.13%	0.09%
Q3SYW7	0.24%	0.11%	0.16%	0.06%
O18979	0.24%	0.17%	0.21%	0.12%
Q2TBQ5	0.24%	0.26%	0.26%	0.21%
Q3SZH5	0.23%	0.16%	0.09%	0.12%
P52193	0.23%	0.21%	0.19%	0.17%
Q5E9F8	0.23%	0.23%	0.25%	0.26%
A4FV54	0.22%	0.15%	0.16%	0.17%
P68103	0.22%	0.26%	0.21%	0.24%
Q4ZJS0	0.22%	0.12%	0.21%	0.06%
P00744	0.22%	0.12%	0.21%	0.17%
Q5EA67	0.21%	0.23%	0.21%	0.24%
Q8SQH5	0.21%	0.38%	0.36%	0.36%
Q862Q3	0.21%	0.16%	0.24%	0.29%
Q3MHL4	0.21%	0.25%	0.31%	0.30%
Q17QH1	0.21%	0.18%	0.23%	0.19%
Q0VCM5	0.21%	0.21%	0.22%	0.17%
P19858	0.21%	0.20%	0.18%	0.20%
F1N401	0.21%	0.14%	0.18%	0.13%
F1MYG5	0.21%	0.34%	0.32%	0.28%
E1BI02	0.21%	0.19%	0.21%	0.20%
Q3SWW8	0.21%	0.22%	0.19%	0.29%
Q3SZ54	0.20%	0.21%	0.20%	0.21%
F1MC75	0.20%	0.08%	0.21%	0.06%
Q95M18	0.20%	0.27%	0.27%	0.30%
Q3SZZ9	0.20%	0.19%	0.15%	0.08%
Q9GL29	0.20%	0.21%	0.22%	0.28%
K7QF89	0.20%	0.13%	0.18%	0.10%
A2I7N1	0.20%	0.18%	0.15%	0.21%
P35541	0.20%	0.21%	0.18%	0.17%
ENSBTAP00000037665	0.20%	0.18%	0.11%	0.11%

P04272	0.20%	0.29%	0.19%	0.27%
P19427	0.20%	0.15%	0.19%	0.13%
P07224	0.20%	0.10%	0.16%	0.07%
A5PJT7	0.19%	0.18%	0.09%	0.10%
Q28107	0.19%	0.16%	0.20%	0.17%
P45879	0.19%	0.27%	0.23%	0.18%
Q3SZP2	0.19%	0.11%	0.16%	0.13%
A7E3W2	0.19%	0.12%	0.16%	0.03%
Q3T004	0.19%	0.24%	0.21%	0.25%
P68002	0.19%	0.24%	0.23%	0.23%
F1N102	0.19%	0.10%	0.15%	0.06%
F1MW44	0.19%	0.21%	0.14%	0.13%
Q3T0D5	0.18%	0.19%	0.31%	0.19%
Q2TBU0	0.18%	0.12%	0.15%	0.12%
P00745	0.18%	0.26%	0.22%	0.41%
Q1RMH5	0.18%	0.12%	0.11%	0.11%
Q3SX14	0.18%	0.20%	0.18%	0.22%
G8JKX6	0.18%	0.16%	0.17%	0.14%
P00741	0.18%	0.17%	0.15%	0.18%
Q29437	0.18%	0.15%	0.08%	0.12%
P81287	0.18%	0.15%	0.18%	0.18%
P02722	0.18%	0.36%	0.32%	0.36%
O46415	0.18%	0.09%	0.07%	0.00%
A0A077KSH2	0.18%	0.18%	0.19%	0.16%
Q3T0P6	0.17%	0.20%	0.20%	0.14%
P80195	0.17%	0.21%	0.23%	0.28%
Q32L58	0.17%	0.00%	0.00%	0.00%
Q30287	0.17%	0.08%	0.14%	0.08%
A7Z057	0.17%	0.13%	0.18%	0.11%
P51122	0.16%	0.15%	0.11%	0.14%
E3SAZ8	0.16%	0.15%	0.18%	0.20%
P04815	0.16%	0.00%	0.00%	0.00%
A1XED1	0.16%	0.16%	0.18%	0.27%
P08728	0.16%	0.18%	0.21%	0.22%
Q5E9B1	0.16%	0.15%	0.14%	0.13%
ENSBTAP00000016046	0.16%	0.18%	0.18%	0.18%
Q5E9F7	0.16%	0.35%	0.18%	0.13%
Q3T165	0.16%	0.18%	0.15%	0.16%
P19120	0.16%	0.24%	0.19%	0.22%
A6QLS9	0.16%	0.16%	0.09%	0.18%
A6H767	0.16%	0.14%	0.17%	0.18%
P23805	0.16%	0.16%	0.12%	0.19%
Q2TBI0	0.15%	0.10%	0.11%	0.15%
Q28017	0.15%	0.10%	0.17%	0.10%

A5D984	0.15%	0.25%	0.13%	0.17%
Q5EA96	0.15%	0.10%	0.11%	0.09%
F1MPH3	0.15%	0.09%	0.10%	0.03%
A4IF97	0.15%	0.12%	0.13%	0.00%
Q95114	0.15%	0.13%	0.15%	0.15%
E2DI12	0.15%	0.10%	0.11%	0.13%
A5D7L1	0.15%	0.13%	0.05%	0.09%
F1N076	0.15%	0.14%	0.08%	0.09%
O02717	0.15%	0.12%	0.10%	0.02%
P80109	0.15%	0.10%	0.09%	0.04%
P68509	0.15%	0.06%	0.09%	0.06%
Q58DL9	0.15%	0.10%	0.13%	0.06%
P02768-1	0.14%	0.15%	0.13%	0.17%
A6QR15	0.14%	0.07%	0.14%	0.10%
F1MD83	0.14%	0.14%	0.10%	0.00%
P01267	0.14%	0.08%	0.09%	0.03%
F1MDH3	0.14%	0.11%	0.11%	0.08%
Q58DW0	0.14%	0.15%	0.14%	0.13%
A6QLL8	0.13%	0.17%	0.08%	0.12%
Q2KIV9	0.13%	0.11%	0.07%	0.09%
Q24JY8	0.13%	0.00%	0.10%	0.00%
Q3T0D7	0.13%	0.11%	0.12%	0.11%
F1MM32	0.13%	0.09%	0.11%	0.08%
F1MPE1	0.13%	0.07%	0.10%	0.05%
Q3YJG7	0.13%	0.07%	0.08%	0.08%
F1MTN1	0.13%	0.06%	0.13%	0.06%
Q0VC36	0.13%	0.09%	0.09%	0.09%
Q0QEV5	0.13%	0.16%	0.21%	0.13%
A7MB04	0.13%	0.09%	0.14%	0.09%
E1BMX5	0.13%	0.09%	0.07%	0.03%
P02666	0.13%	0.15%	0.14%	0.20%
Q9XSJ4	0.12%	0.14%	0.16%	0.12%
Q9TS78	0.12%	0.00%	0.00%	0.00%
A6QLB3	0.12%	0.07%	0.09%	0.04%
F1N367	0.12%	0.11%	0.12%	0.10%
A6QNL5	0.12%	0.12%	0.17%	0.16%
Q5E9E6	0.12%	0.17%	0.16%	0.00%
Q0QF29	0.12%	0.18%	0.17%	0.16%
Q862N4	0.12%	0.23%	0.17%	0.21%
P00171	0.12%	0.12%	0.13%	0.10%
P41541	0.12%	0.06%	0.09%	0.05%
E1BI98	0.11%	0.09%	0.07%	0.08%
G9HQX2	0.11%	0.11%	0.13%	0.00%
F1MND9	0.11%	0.05%	0.07%	0.00%

Q3T0L7	0.11%	0.19%	0.12%	0.15%
F1MER7	0.11%	0.09%	0.10%	0.06%
P02639	0.11%	0.11%	0.00%	0.00%
P61356	0.11%	0.23%	0.29%	0.25%
Q1LZ81	0.11%	0.11%	0.12%	0.00%
Q1RMP3	0.11%	0.00%	0.00%	0.00%
E1BLI9	0.11%	0.11%	0.00%	0.00%
F1N169	0.11%	0.09%	0.07%	0.05%
Q2KIW4	0.11%	0.10%	0.10%	0.05%
Q3ZBG0	0.11%	0.17%	0.16%	0.06%
Q3T149	0.11%	0.00%	0.09%	0.00%
P60902	0.11%	0.16%	0.00%	0.00%
A7Z066	0.10%	0.11%	0.09%	0.13%
F1MQ37	0.10%	0.09%	0.09%	0.04%
Q3YFG5	0.10%	0.09%	0.08%	0.08%
P38657	0.10%	0.15%	0.14%	0.15%
E1BJY4	0.10%	0.05%	0.09%	0.05%
Q2KJH6	0.10%	0.10%	0.11%	0.12%
Q3T0X5	0.10%	0.18%	0.18%	0.08%
F6S1Q0	0.10%	0.11%	0.11%	0.13%
F1MKG2	0.10%	0.08%	0.07%	0.04%
Q862R3	0.10%	0.13%	0.21%	0.00%
Q3T054	0.10%	0.20%	0.21%	0.16%
Q3SZC0	0.10%	0.15%	0.11%	0.20%
Q3ZCH0	0.10%	0.28%	0.27%	0.31%
Q2TBX5	0.09%	0.10%	0.07%	0.08%
Q2TA40	0.09%	0.08%	0.10%	0.07%
Q3ZBT1	0.09%	0.11%	0.08%	0.06%
Q3SYZ7	0.09%	0.19%	0.25%	0.25%
Q08E54	0.09%	0.08%	0.07%	0.06%
Q0P5D6	0.09%	0.05%	0.12%	0.00%
P21793	0.09%	0.06%	0.07%	0.04%
Q3ZBH8	0.09%	0.13%	0.15%	0.12%
Q3T087	0.09%	0.09%	0.10%	0.08%
P15781	0.09%	0.09%	0.10%	0.06%
Q58DW5	0.09%	0.09%	0.06%	0.09%
Q5E9F9	0.08%	0.07%	0.09%	0.00%
F1MZ00	0.08%	0.13%	0.00%	0.00%
Q0IJ2	0.08%	0.00%	0.06%	0.00%
H2CNR1	0.08%	0.11%	0.00%	0.11%
O77742	0.08%	0.06%	0.05%	0.05%
P18902	0.08%	0.08%	0.00%	0.08%
Q3B8S0	0.08%	0.13%	0.00%	0.17%
P02253	0.08%	0.17%	0.15%	0.19%

A7YWC6	0.08%	0.08%	0.00%	0.00%
E1BKS1	0.08%	0.00%	0.00%	0.00%
Q2KJE5	0.08%	0.08%	0.08%	0.07%
Q3SYR5	0.08%	0.00%	0.00%	0.00%
Q9BGI3	0.08%	0.00%	0.00%	0.00%
P08729	0.08%	0.10%	0.15%	0.23%
Q3B7N2	0.08%	0.11%	0.03%	0.05%
Q7YRW9	0.08%	0.08%	0.06%	0.11%
Q9TTK6	0.08%	0.05%	0.03%	0.06%
Q5U7H2	0.08%	0.08%	0.00%	0.10%
G3MYH4	0.08%	0.00%	0.06%	0.00%
G8JKV5	0.08%	0.08%	0.08%	0.10%
Q58DS9	0.08%	0.08%	0.08%	0.00%
F1MJQ1	0.08%	0.08%	0.08%	0.07%
P22457	0.07%	0.12%	0.07%	0.11%
E1BCW0	0.07%	0.04%	0.04%	0.00%
Q5KR47	0.07%	0.09%	0.10%	0.07%
Q5KR48	0.07%	0.07%	0.08%	0.10%
A7E3S8	0.07%	0.06%	0.06%	0.08%
P26779	0.07%	0.03%	0.04%	0.03%
P10103	0.07%	0.07%	0.00%	0.00%
Q2HJ97	0.07%	0.14%	0.08%	0.14%
Q3KUS7	0.07%	0.15%	0.04%	0.14%
Q5E9E3	0.07%	0.05%	0.00%	0.00%
O77709	0.07%	0.04%	0.08%	0.05%
Q56JX8	0.07%	0.14%	0.11%	0.19%
Q3T0Q4	0.07%	0.21%	0.19%	0.09%
A5D7D1	0.07%	0.10%	0.03%	0.05%
Q5E987	0.07%	0.07%	0.07%	0.09%
P79125	0.07%	0.00%	0.05%	0.00%
Q5E956	0.07%	0.27%	0.07%	0.09%
A7E350	0.07%	0.08%	0.03%	0.06%
Q29RV1	0.07%	0.04%	0.04%	0.03%
P62194	0.06%	0.05%	0.07%	0.00%
Q95121	0.06%	0.08%	0.06%	0.05%
Q3T0S6	0.06%	0.06%	0.14%	0.14%
G3MZI7	0.06%	0.05%	0.05%	0.03%
P05784	0.06%	0.06%	0.05%	0.07%
A7YW37	0.06%	0.00%	0.02%	0.00%
Q3T108	0.06%	0.08%	0.09%	0.00%
E1BFV0	0.06%	0.06%	0.05%	0.05%
Q2KIG3	0.06%	0.07%	0.08%	0.08%
P49410	0.06%	0.10%	0.09%	0.06%
F1N1G4	0.06%	0.00%	0.00%	0.00%

G3MYZ3	0.06%	0.06%	0.02%	0.07%
Q29423	0.06%	0.03%	0.00%	0.00%
P05059	0.06%	0.06%	0.04%	0.06%
F1MPJ7	0.06%	0.06%	0.06%	0.05%
Q27975	0.06%	0.04%	0.06%	0.06%
Q3T0K2	0.06%	0.02%	0.00%	0.00%
Q3T0B6	0.06%	0.04%	0.04%	0.10%
F1N6W9	0.06%	0.03%	0.03%	0.04%
Q2KIT0	0.06%	0.14%	0.06%	0.15%
A6H7C4	0.06%	0.09%	0.06%	0.12%
O18789	0.06%	0.08%	0.08%	0.10%
Q5BIP9	0.06%	0.06%	0.06%	0.08%
Q6LBN7	0.05%	0.06%	0.08%	0.06%
Q28085	0.05%	0.04%	0.02%	0.05%
Q3SX47	0.05%	0.13%	0.18%	0.07%
Q0VC47	0.05%	0.05%	0.06%	0.00%
P61585	0.05%	0.00%	0.06%	0.00%
P26452	0.05%	0.16%	0.18%	0.19%
Q2KIS7	0.05%	0.16%	0.09%	0.11%
F1N2K1	0.05%	0.04%	0.07%	0.06%
A5D9E9	0.05%	0.01%	0.00%	0.02%
P33672	0.05%	0.08%	0.08%	0.10%
Q7RTS7	0.05%	0.06%	0.08%	0.06%
P81282	0.05%	0.03%	0.05%	0.02%
Q3ZBG1	0.05%	0.07%	0.00%	0.00%
Q86YZ3	0.05%	0.06%	0.07%	0.07%
A7E3V7	0.05%	0.05%	0.05%	0.04%
A6QNS6	0.05%	0.04%	0.03%	0.02%
Q5E983	0.05%	0.00%	0.00%	0.06%
Q5E971	0.05%	0.05%	0.05%	0.00%
Q5E9A3	0.05%	0.05%	0.00%	0.04%
O77834	0.05%	0.12%	0.00%	0.06%
G3X8D7	0.05%	0.07%	0.00%	0.00%
Q3T0D0	0.05%	0.09%	0.04%	0.05%
Q2KIF2	0.05%	0.08%	0.00%	0.08%
Q8SPF8	0.05%	0.03%	0.00%	0.00%
A7MBA2	0.04%	0.01%	0.03%	0.02%
G3N3E4	0.04%	0.02%	0.03%	0.01%
F1MRZ8	0.04%	0.04%	0.03%	0.00%
P12234	0.04%	0.06%	0.06%	0.08%
Q5E9B7	0.04%	0.04%	0.07%	0.06%
Q148H8	0.04%	0.05%	0.07%	0.06%
Q32KL2	0.04%	0.10%	0.05%	0.00%
Q3ZBW4	0.04%	0.10%	0.14%	0.00%

J9QCU0	0.04%	0.04%	0.00%	0.04%
Q3ZCK9	0.04%	0.10%	0.07%	0.00%
Q3ZCI9	0.04%	0.05%	0.05%	0.03%
Q8HYW7	0.04%	0.08%	0.04%	0.00%
Q28146	0.04%	0.02%	0.04%	0.02%
Q9BGI2	0.04%	0.10%	0.13%	0.13%
F1MUC5	0.04%	0.02%	0.01%	0.01%
Q92764	0.04%	0.04%	0.04%	0.05%
A6QR38	0.04%	0.04%	0.06%	0.05%
Q3MHL3	0.04%	0.05%	0.04%	0.00%
Q5E9D7	0.04%	0.04%	0.04%	0.00%
Q3SZF3	0.04%	0.08%	0.07%	0.06%
F1MKY3	0.04%	0.02%	0.04%	0.00%
P56701	0.04%	0.04%	0.07%	0.04%
A7MBG8	0.04%	0.04%	0.00%	0.00%
Q1JPA2	0.04%	0.07%	0.14%	0.08%
Q2TBU9	0.03%	0.02%	0.03%	0.05%
P09867	0.03%	0.21%	0.06%	0.09%
Q32PI4	0.03%	0.03%	0.03%	0.02%
P63243	0.03%	0.08%	0.09%	0.09%
P58352	0.03%	0.03%	0.06%	0.03%
A5PJN2	0.03%	0.07%	0.06%	0.06%
Q3T0K1	0.03%	0.06%	0.00%	0.00%
Q3SYU2	0.03%	0.07%	0.03%	0.03%
Q0VCX1	0.03%	0.03%	0.00%	0.00%
Q3ZBH0	0.03%	0.00%	0.02%	0.03%
Q28182	0.03%	0.00%	0.02%	0.00%
A7MBJ5	0.03%	0.03%	0.02%	0.01%
Q28034	0.03%	0.05%	0.03%	0.04%
Q56JV6	0.03%	0.04%	0.05%	0.04%
A6QP36	0.03%	0.04%	0.05%	0.04%
G1K1R6	0.03%	0.00%	0.03%	0.04%
F1ME65	0.03%	0.03%	0.03%	0.02%
Q32PI5	0.03%	0.03%	0.02%	0.02%
P23206	0.03%	0.03%	0.02%	0.02%
Q5D862	0.03%	0.03%	0.03%	0.02%
Q2HJ49	0.03%	0.04%	0.04%	0.02%
Q2TBL2	0.03%	0.04%	0.00%	0.00%
Q2NL22	0.03%	0.03%	0.03%	0.03%
E1BB32	0.02%	0.00%	0.02%	0.00%
Q1JP95	0.02%	0.00%	0.03%	0.00%
F1N789	0.02%	0.02%	0.00%	0.00%
E1BJ49	0.02%	0.02%	0.00%	0.00%
E1BEL6	0.02%	0.01%	0.01%	0.02%

F1MHQ8	0.02%	0.02%	0.03%	0.03%
P27674	0.02%	0.03%	0.02%	0.00%
F1MVS9	0.02%	0.00%	0.02%	0.00%
Q8SPJ1	0.02%	0.03%	0.02%	0.00%
Q9XTA3	0.02%	0.00%	0.00%	0.00%
Q0P5A6	0.02%	0.00%	0.03%	0.00%
Q2T9X2	0.02%	0.03%	0.00%	0.00%
G3MYM8	0.02%	0.00%	0.02%	0.00%
F1N0K0	0.02%	0.01%	0.00%	0.00%
F1MDC2	0.02%	0.02%	0.00%	0.00%
A7YY47	0.02%	0.02%	0.02%	0.04%
A0JN39	0.02%	0.00%	0.01%	0.00%
F1N6Y1	0.02%	0.02%	0.02%	0.01%
Q8HXV0	0.02%	0.02%	0.02%	0.02%
P80227	0.01%	0.00%	0.00%	0.00%
E1BMC4	0.01%	0.01%	0.02%	0.02%
E1BIG6	0.01%	0.02%	0.02%	0.00%
A7MB83	0.01%	0.01%	0.00%	0.00%
F1MF97	0.01%	0.01%	0.00%	0.00%
E1BMQ6	0.01%	0.02%	0.00%	0.00%
E1BGJ0	0.01%	0.01%	0.01%	0.00%
G5E5W1	0.01%	0.01%	0.00%	0.01%
F1MPU0	0.01%	0.03%	0.01%	0.01%
F1MPK6	0.01%	0.00%	0.00%	0.00%
E1BKX7	0.00%	0.01%	0.00%	0.00%
Q7M2Y2	0.00%	0.05%	0.00%	0.00%
Q3SZ87	0.00%	0.00%	0.06%	0.00%
A7E3W4	0.00%	0.03%	0.02%	0.00%
Q5E9F5	0.00%	0.00%	0.00%	0.11%
P35705	0.00%	0.04%	0.05%	0.00%
Q3MHL7	0.00%	0.02%	0.00%	0.00%
F1MTT6	0.00%	0.02%	0.00%	0.00%
E1BGX1	0.00%	0.02%	0.00%	0.03%
A7E355	0.00%	0.02%	0.00%	0.00%
E1BMM6	0.00%	0.00%	0.00%	0.04%
P61955	0.00%	0.00%	0.12%	0.00%
Q861V1	0.00%	0.07%	0.00%	0.00%
Q862B7	0.00%	0.08%	0.17%	0.00%
Q862J9	0.00%	0.11%	0.09%	0.12%
Q862R2	0.00%	0.06%	0.10%	0.00%
A1L5B7	0.00%	0.04%	0.00%	0.00%
Q58D70	0.00%	0.00%	0.04%	0.00%
D3JUI8	0.00%	0.00%	0.00%	0.04%
A6QNM2	0.00%	0.01%	0.00%	0.00%

Q9N1X8	0.00%	0.12%	0.00%	0.00%
Q5E9K0	0.00%	0.13%	0.00%	0.00%
Q2TBX6	0.00%	0.11%	0.00%	0.00%
Q3T0Y5	0.00%	0.05%	0.00%	0.00%
G5E5C3	0.00%	0.00%	0.00%	0.06%
Q8WN55	0.00%	0.00%	0.00%	0.04%
P61286	0.00%	0.03%	0.00%	0.00%
Q3SZ62	0.00%	0.10%	0.09%	0.00%
Q9BG14	0.00%	0.13%	0.18%	0.14%
P80311	0.00%	0.13%	0.11%	0.13%
Q861V5	0.00%	0.07%	0.00%	0.09%
P08814	0.00%	0.16%	0.00%	0.00%
Q58CQ9	0.00%	0.03%	0.00%	0.00%
P52175	0.00%	0.10%	0.08%	0.00%
P67808	0.00%	0.13%	0.13%	0.11%
Q5E9X4	0.00%	0.05%	0.00%	0.05%
Q3SWY3	0.00%	0.00%	0.04%	0.03%
Q2HJ60	0.00%	0.08%	0.07%	0.00%
F1MFT4	0.00%	0.07%	0.08%	0.05%
A5D9H5	0.00%	0.05%	0.00%	0.00%
Q3ZC44	0.00%	0.06%	0.00%	0.00%
E1BBY7	0.00%	0.00%	0.00%	0.02%
Q7M3G9	0.00%	0.00%	0.14%	0.18%
D5MTL9	0.00%	0.00%	0.14%	0.00%
Q3ZBY4	0.00%	0.03%	0.00%	0.00%
Q9TU47	0.00%	0.04%	0.00%	0.00%
F1MN49	0.00%	0.11%	0.00%	0.00%
Q3MHP6	0.00%	0.01%	0.00%	0.00%
L7R5X3	0.00%	0.00%	0.00%	0.05%
E1BPX2	0.00%	0.00%	0.00%	0.04%
A3KN04	0.00%	0.00%	0.02%	0.00%
Q58D10	0.00%	0.05%	0.06%	0.00%
Q5E954	0.00%	0.00%	0.03%	0.00%
F1MBQ8	0.00%	0.02%	0.02%	0.00%
Q5E970	0.00%	0.00%	0.00%	0.05%
C0L633	0.00%	0.00%	0.04%	0.00%
P02453	0.00%	0.01%	0.00%	0.00%
P35604	0.00%	0.00%	0.06%	0.00%
A0A140T856	0.00%	0.00%	0.01%	0.00%
Q2TBQ1	0.00%	0.02%	0.02%	0.00%
Q29RK1	0.00%	0.05%	0.03%	0.00%
F1N1C9	0.00%	0.01%	0.00%	0.01%
Q5E9F1	0.00%	0.06%	0.05%	0.00%
Q28141	0.00%	0.02%	0.00%	0.00%

Q3ZBE1	0.00%	0.06%	0.00%	0.00%
P39872	0.00%	0.00%	0.03%	0.03%
F1N2W8	0.00%	0.06%	0.10%	0.08%
Q56JZ1	0.00%	0.07%	0.11%	0.00%
A6QLG5	0.00%	0.00%	0.06%	0.00%
G8JKY0	0.00%	0.17%	0.22%	0.30%
Q5E988	0.00%	0.00%	0.09%	0.00%
Q56JV9	0.00%	0.06%	0.07%	0.05%
Q32PD5	0.00%	0.33%	0.32%	0.40%
Q76I82	0.00%	0.08%	0.13%	0.00%
O02691	0.00%	0.04%	0.05%	0.00%

Table S4. List of all detected proteins in the hard corona of M-1, M-1MF, M-4, M-4MF.

Protein IDs	M-1	M-1MF	M-4	M-4MF
V6F9A2	1.50%	1.56%	1.69%	1.57%
P02081	1.36%	1.16%	1.56%	1.60%
A0A140T897	0.97%	0.99%	1.13%	1.27%
B0JYQ0	0.94%	0.97%	1.09%	1.24%
P02070	0.93%	0.92%	1.07%	1.22%
D4QBB3	0.87%	0.82%	0.99%	1.09%
P01966	0.75%	0.76%	0.89%	0.88%
G3X807	0.74%	0.72%	0.81%	0.92%
P42899	0.73%	0.49%	0.60%	0.69%
P61603	0.70%	0.72%	0.81%	0.98%
F1N3Q7	0.66%	0.70%	0.79%	0.75%
P04264	0.63%	0.74%	0.88%	1.10%
P02754	0.63%	0.66%	0.80%	0.91%
Q03247	0.61%	0.64%	0.75%	0.69%
P05787	0.60%	0.59%	0.59%	0.70%
P13645	0.54%	0.64%	0.74%	0.85%
B5B0D4	0.53%	0.58%	0.71%	0.74%
P60712	0.51%	0.49%	0.51%	0.54%
G3X6Q8	0.51%	0.31%	0.53%	0.38%
P81644	0.51%	0.47%	0.58%	0.60%
P62157	0.51%	0.53%	0.52%	0.36%
Q2KJD0	0.50%	0.38%	0.50%	0.51%
P02662	0.50%	0.44%	0.69%	0.87%
Q3MHM5	0.50%	0.38%	0.48%	0.48%
F1MYX2	0.50%	0.37%	0.56%	0.44%
Q76LV1	0.49%	0.44%	0.49%	0.45%

P00735	0.49%	0.43%	0.52%	0.55%
P48616	0.47%	0.52%	0.46%	0.49%
P34955	0.47%	0.48%	0.54%	0.51%
P35908	0.46%	0.64%	0.75%	0.83%
E1BNR0	0.46%	0.42%	0.53%	0.49%
P63103	0.45%	0.51%	0.53%	0.51%
Q76LV2	0.44%	0.37%	0.44%	0.41%
E1BJK2	0.44%	0.45%	0.48%	0.45%
P17697	0.44%	0.38%	0.46%	0.44%
P00745	0.44%	0.26%	0.39%	0.34%
F1MSZ6	0.44%	0.38%	0.50%	0.48%
G3X6N3	0.44%	0.54%	0.51%	0.66%
Q0IHK2	0.44%	0.53%	0.50%	0.64%
Q2KIW1	0.43%	0.37%	0.38%	0.30%
P08729	0.43%	0.50%	0.27%	0.46%
Q2UVX4	0.42%	0.42%	0.56%	0.65%
Q5E9F7	0.41%	0.48%	0.51%	0.54%
Q5GN72	0.41%	0.34%	0.30%	0.38%
Q1RMK2	0.41%	0.36%	0.46%	0.52%
P62261	0.41%	0.49%	0.40%	0.34%
V6F9A3	0.40%	0.44%	0.38%	0.56%
Q3ZBS7	0.39%	0.43%	0.47%	0.47%
K4JDR8	0.39%	0.39%	0.50%	0.52%
Q7SIH1	0.39%	0.35%	0.47%	0.46%
P04272	0.38%	0.41%	0.37%	0.43%
F1MYG5	0.38%	0.40%	0.32%	0.40%
ENSBTAP00000007350	0.38%	0.35%	0.44%	0.35%
P35527	0.38%	0.51%	0.56%	0.77%
Q5E956	0.38%	0.35%	0.40%	0.45%
Q2HJ60	0.37%	0.37%	0.31%	0.43%
Q5E9I6	0.37%	0.18%	0.31%	0.32%
ENSBTAP00000014147	0.37%	0.31%	0.45%	0.51%
Q3MHW2	0.37%	0.35%	0.43%	0.32%
O46375	0.36%	0.30%	0.37%	0.38%
Q3ZBG0	0.36%	0.26%	0.19%	0.14%
K4JF16	0.36%	0.29%	0.42%	0.43%
P01252	0.36%	0.57%	0.54%	0.61%
Q27967	0.35%	0.32%	0.41%	0.35%
P09867	0.35%	0.34%	0.29%	0.39%
Q8SQH5	0.35%	0.32%	0.27%	0.37%
P10096	0.35%	0.34%	0.36%	0.34%
Q3SZI4	0.34%	0.36%	0.36%	0.29%
Q32S29	0.34%	0.34%	0.42%	0.43%
O46739	0.34%	0.35%	0.18%	0.10%

Q3ZBX9	0.34%	0.30%	0.29%	0.43%
Q3MHN5	0.34%	0.31%	0.32%	0.31%
Q3T0X5	0.34%	0.28%	0.28%	0.11%
Q3SWW8	0.34%	0.32%	0.43%	0.41%
Q5E9Z2	0.34%	0.33%	0.36%	0.33%
P12763	0.34%	0.37%	0.41%	0.50%
P81948	0.33%	0.32%	0.40%	0.42%
P02663	0.33%	0.24%	0.43%	0.47%
A6QNW7	0.33%	0.41%	0.40%	0.47%
Q2HJ86	0.33%	0.31%	0.41%	0.40%
Q3T0Q4	0.33%	0.30%	0.27%	0.31%
ENSBTAP00000024462	0.33%	0.23%	0.34%	0.39%
Q3SZF2	0.33%	0.15%	0.26%	0.20%
P63048	0.32%	0.36%	0.32%	0.41%
Q0VCX2	0.32%	0.33%	0.28%	0.35%
Q3T169	0.32%	0.28%	0.18%	0.33%
Q2KIH2	0.32%	0.33%	0.39%	0.42%
P00761	0.31%	0.34%	0.39%	0.41%
Q861V5	0.31%	0.25%	0.21%	0.20%
Q3T101	0.31%	0.34%	0.38%	0.41%
F1N453	0.31%	0.38%	0.34%	0.34%
Q7M365	0.31%	0.34%	0.38%	0.29%
P68250	0.31%	0.32%	0.33%	0.33%
P28800	0.31%	0.29%	0.37%	0.28%
P00978	0.30%	0.27%	0.34%	0.27%
Q1RMN9	0.30%	0.29%	0.40%	0.46%
P52175	0.30%	0.30%	0.20%	0.19%
Q28049	0.30%	0.19%	0.46%	0.57%
P19120	0.30%	0.32%	0.26%	0.26%
Q32KL2	0.30%	0.15%	0.21%	0.12%
Q9TS85	0.30%	0.31%	0.37%	0.31%
P22226	0.30%	0.36%	0.30%	0.11%
P52193	0.30%	0.18%	0.29%	0.14%
P61223	0.30%	0.28%	0.25%	0.26%
Q9N2I2	0.30%	0.28%	0.31%	0.25%
P45879	0.30%	0.19%	0.17%	0.26%
P61284	0.29%	0.21%	0.26%	0.26%
ENSBTAP00000024466	0.29%	0.25%	0.35%	0.41%
Q3T054	0.29%	0.24%	0.26%	0.30%
Q1RMN8	0.29%	0.34%	0.38%	0.38%
A5D984	0.29%	0.25%	0.22%	0.25%
P02533	0.29%	0.52%	0.50%	0.73%
Q2TBR3	0.28%	0.29%	0.26%	0.31%
Q9BGI4	0.28%	0.36%	0.24%	0.27%

P35445	0.28%	0.29%	0.34%	0.31%
Q95140	0.28%	0.28%	0.29%	0.21%
G9HR27	0.28%	0.24%	0.19%	0.13%
P17690	0.27%	0.28%	0.22%	0.19%
Q3ZC07	0.27%	0.29%	0.28%	0.32%
Q3MHN2	0.27%	0.24%	0.31%	0.31%
Q32PD5	0.27%	0.39%	0.26%	0.25%
Q29RQ1	0.27%	0.22%	0.41%	0.47%
Q27975	0.27%	0.24%	0.18%	0.18%
A8YXZ2	0.26%	0.15%	0.37%	0.48%
P00829	0.26%	0.26%	0.22%	0.29%
Q3T0D5	0.26%	0.29%	0.18%	0.21%
F1MNW4	0.26%	0.26%	0.29%	0.31%
B8Y9S9	0.26%	0.26%	0.28%	0.24%
ENSBTAP00000018574	0.26%	0.26%	0.31%	0.33%
Q3Y5Z3	0.26%	0.24%	0.22%	0.15%
Q3ZBF7	0.26%	0.28%	0.19%	0.18%
A6QLL8	0.25%	0.19%	0.21%	0.24%
G3X6E5	0.25%	0.11%	0.31%	0.00%
Q5E987	0.25%	0.12%	0.16%	0.08%
P02668	0.25%	0.25%	0.28%	0.35%
G1K1K0	0.25%	0.15%	0.22%	0.10%
P02676	0.25%	0.32%	0.22%	0.11%
P68103	0.25%	0.21%	0.23%	0.24%
O46738	0.25%	0.27%	0.12%	0.00%
P00432	0.25%	0.27%	0.18%	0.11%
Q95M18	0.24%	0.22%	0.20%	0.20%
Q28065	0.24%	0.23%	0.31%	0.23%
P61356	0.24%	0.17%	0.19%	0.21%
Q3SYR8	0.24%	0.27%	0.30%	0.34%
Q3T165	0.24%	0.23%	0.10%	0.18%
Q8MII4	0.24%	0.26%	0.20%	0.00%
P04259	0.24%	0.40%	0.38%	0.64%
P48668	0.24%	0.40%	0.38%	0.63%
Q2TBX6	0.24%	0.08%	0.13%	0.15%
Q5E9B1	0.23%	0.24%	0.21%	0.20%
P02538	0.23%	0.40%	0.37%	0.63%
Q1RMH5	0.23%	0.18%	0.22%	0.21%
Q3SZV7	0.23%	0.18%	0.27%	0.26%
F1MUZ9	0.23%	0.28%	0.22%	0.22%
Q3ZCH0	0.23%	0.29%	0.20%	0.23%
P68002	0.23%	0.23%	0.09%	0.23%
Q862S8	0.23%	0.25%	0.20%	0.36%
P05307	0.23%	0.20%	0.12%	0.21%

A6QL81	0.22%	0.22%	0.23%	0.00%
P02672	0.22%	0.25%	0.25%	0.18%
Q3MHL4	0.22%	0.18%	0.27%	0.27%
A7Z057	0.22%	0.26%	0.31%	0.19%
Q29RU4	0.22%	0.17%	0.38%	0.39%
Q1JPA2	0.22%	0.17%	0.12%	0.11%
Q04695	0.22%	0.36%	0.27%	0.42%
P02722	0.22%	0.19%	0.18%	0.22%
F1MX87	0.22%	0.21%	0.32%	0.37%
P01044	0.21%	0.19%	0.21%	0.20%
FIN3A1	0.21%	0.30%	0.31%	0.37%
Q5J801	0.21%	0.17%	0.24%	0.24%
P55252	0.21%	0.24%	0.29%	0.05%
Q3T149	0.21%	0.23%	0.18%	0.12%
A0A1V1FP73	0.21%	0.23%	0.17%	0.20%
Q58D62	0.21%	0.23%	0.29%	0.28%
P56652	0.21%	0.17%	0.24%	0.17%
Q3ZCK9	0.21%	0.11%	0.12%	0.07%
G5E5C3	0.21%	0.15%	0.15%	0.00%
A0A0F6QMJ3	0.21%	0.16%	0.31%	0.36%
P38657	0.21%	0.21%	0.15%	0.20%
Q05443	0.21%	0.16%	0.20%	0.14%
O18979	0.21%	0.15%	0.24%	0.22%
E1BPN4	0.21%	0.14%	0.21%	0.11%
P19483	0.21%	0.23%	0.22%	0.22%
Q28178	0.21%	0.30%	0.30%	0.37%
F1MZ00	0.21%	0.11%	0.00%	0.00%
Q0QEV5	0.20%	0.22%	0.16%	0.18%
P01045	0.20%	0.18%	0.20%	0.18%
A5D7L1	0.20%	0.07%	0.28%	0.09%
Q32KY0	0.20%	0.22%	0.25%	0.22%
P13647	0.20%	0.37%	0.41%	0.48%
Q2TBP7	0.20%	0.00%	0.00%	0.00%
G8JKY0	0.20%	0.13%	0.12%	0.14%
P60661	0.20%	0.22%	0.24%	0.20%
F1MKS5	0.20%	0.17%	0.22%	0.18%
A1XED1	0.20%	0.32%	0.12%	0.23%
P21809	0.20%	0.15%	0.23%	0.03%
Q32L76	0.20%	0.21%	0.40%	0.32%
A4IF97	0.19%	0.13%	0.09%	0.10%
Q3SX47	0.19%	0.16%	0.18%	0.14%
Q2TBQ5	0.19%	0.21%	0.16%	0.22%
Q3T0D0	0.19%	0.25%	0.16%	0.20%
F1N102	0.19%	0.16%	0.26%	0.30%

Q3SZ54	0.19%	0.22%	0.19%	0.20%
P22457	0.19%	0.19%	0.20%	0.14%
Q3SYU2	0.19%	0.17%	0.10%	0.14%
P81287	0.19%	0.16%	0.21%	0.22%
Q0VCM5	0.18%	0.18%	0.21%	0.17%
Q862B7	0.18%	0.17%	0.19%	0.17%
Q3T0P6	0.18%	0.19%	0.16%	0.23%
Q9XSJ4	0.18%	0.18%	0.22%	0.24%
Q3SYW7	0.18%	0.12%	0.13%	0.06%
O02717	0.18%	0.20%	0.12%	0.13%
A5D7D1	0.18%	0.23%	0.08%	0.11%
P23805	0.18%	0.18%	0.28%	0.35%
Q32PA1	0.17%	0.31%	0.26%	0.29%
P00741	0.17%	0.16%	0.18%	0.19%
Q56K11	0.17%	0.26%	0.21%	0.08%
Q862Q3	0.17%	0.19%	0.21%	0.24%
P67808	0.17%	0.26%	0.20%	0.30%
Q17QH1	0.17%	0.14%	0.19%	0.16%
Q5EA96	0.17%	0.10%	0.11%	0.06%
P68509	0.17%	0.19%	0.19%	0.09%
Q3B8S0	0.17%	0.19%	0.00%	0.09%
P80195	0.17%	0.00%	0.17%	0.23%
ENSBTAP00000038329	0.17%	0.18%	0.27%	0.23%
E1BI02	0.17%	0.16%	0.19%	0.16%
P51122	0.17%	0.28%	0.14%	0.00%
Q5E9K0	0.17%	0.11%	0.08%	0.00%
Q56JX8	0.17%	0.09%	0.00%	0.16%
P33672	0.17%	0.07%	0.15%	0.09%
P00744	0.17%	0.20%	0.19%	0.14%
Q3T0Y5	0.17%	0.08%	0.11%	0.08%
Q9TTE1	0.17%	0.13%	0.20%	0.26%
Q9GL29	0.17%	0.00%	0.14%	0.23%
P35541	0.16%	0.18%	0.20%	0.14%
Q29437	0.16%	0.10%	0.13%	0.05%
E3SAZ8	0.16%	0.15%	0.15%	0.19%
XP_001252647	0.16%	0.16%	0.19%	0.20%
A4FV54	0.16%	0.16%	0.20%	0.20%
Q2KII3	0.16%	0.18%	0.00%	0.00%
A6QR15	0.16%	0.18%	0.11%	0.12%
P26452	0.16%	0.14%	0.20%	0.20%
F6S1Q0	0.16%	0.18%	0.15%	0.21%
Q2HJ97	0.16%	0.09%	0.07%	0.08%
P19858	0.16%	0.22%	0.18%	0.15%
Q862R3	0.16%	0.17%	0.06%	0.15%

Q5E9F8	0.16%	0.17%	0.15%	0.26%
H6V5E5	0.16%	0.20%	0.10%	0.00%
Q3SZZ9	0.16%	0.16%	0.17%	0.08%
ENSBTAP00000037665	0.15%	0.11%	0.16%	0.04%
Q1LZ81	0.15%	0.12%	0.00%	0.15%
F1MC75	0.15%	0.15%	0.17%	0.12%
O77834	0.15%	0.19%	0.16%	0.19%
F1N401	0.15%	0.15%	0.16%	0.07%
Q28107	0.15%	0.16%	0.16%	0.11%
Q58DW0	0.15%	0.10%	0.06%	0.10%
Q5EA67	0.15%	0.18%	0.17%	0.18%
Q3ZBW4	0.15%	0.15%	0.12%	0.00%
A5PJT7	0.15%	0.15%	0.10%	0.07%
P08779	0.15%	0.32%	0.28%	0.52%
Q3T108	0.15%	0.11%	0.12%	0.05%
Q3SX14	0.15%	0.16%	0.17%	0.12%
Q3T0Z8	0.15%	0.11%	0.00%	0.00%
ENSBTAP00000013050	0.15%	0.12%	0.18%	0.06%
F1N076	0.15%	0.10%	0.12%	0.06%
Q2KIV9	0.14%	0.18%	0.13%	0.08%
O46415	0.14%	0.08%	0.09%	0.00%
Q28017	0.14%	0.13%	0.16%	0.05%
P61283	0.14%	0.16%	0.00%	0.00%
Q3SZP2	0.14%	0.11%	0.14%	0.07%
P80311	0.14%	0.13%	0.15%	0.17%
P07224	0.14%	0.21%	0.16%	0.20%
F1N169	0.14%	0.14%	0.12%	0.11%
Q3SZ57	0.14%	0.20%	0.14%	0.19%
Q32L58	0.14%	0.00%	0.17%	0.13%
Q2TBU0	0.14%	0.12%	0.12%	0.07%
A7E3W2	0.14%	0.07%	0.12%	0.03%
Q3SZH5	0.14%	0.12%	0.12%	0.15%
P63243	0.14%	0.15%	0.12%	0.11%
ENSBTAP00000016046	0.14%	0.15%	0.16%	0.09%
A7YWC6	0.13%	0.18%	0.08%	0.14%
F1MW44	0.13%	0.17%	0.20%	0.15%
Q3T004	0.13%	0.19%	0.09%	0.00%
F1MQ37	0.13%	0.14%	0.11%	0.08%
P61955	0.13%	0.15%	0.00%	0.00%
P05784	0.13%	0.14%	0.12%	0.17%
Q4ZJS0	0.13%	0.13%	0.09%	0.05%
Q865R3	0.13%	0.10%	0.00%	0.06%
K7QF89	0.13%	0.17%	0.12%	0.00%
Q76I82	0.13%	0.14%	0.12%	0.18%

Q7YRW9	0.13%	0.12%	0.05%	0.09%
P60902	0.13%	0.14%	0.10%	0.18%
Q5E9F5	0.13%	0.07%	0.05%	0.15%
F1MX83	0.13%	0.09%	0.00%	0.12%
A6QLS9	0.13%	0.14%	0.10%	0.12%
G8JKX6	0.13%	0.09%	0.13%	0.06%
A6H767	0.13%	0.14%	0.13%	0.12%
Q30287	0.13%	0.12%	0.09%	0.00%
Q3B7N2	0.13%	0.15%	0.09%	0.08%
P08814	0.13%	0.18%	0.10%	0.00%
Q862N4	0.13%	0.14%	0.15%	0.18%
A2I7N1	0.12%	0.15%	0.15%	0.16%
G9HQX2	0.12%	0.10%	0.08%	0.00%
P62894	0.12%	0.13%	0.00%	0.11%
Q2T9Y9	0.12%	0.13%	0.07%	0.11%
F1MJQ1	0.12%	0.11%	0.00%	0.00%
P02666	0.12%	0.09%	0.15%	0.20%
E1BMX5	0.12%	0.10%	0.10%	0.06%
Q0VC36	0.12%	0.13%	0.06%	0.07%
P08728	0.12%	0.17%	0.16%	0.20%
P19427	0.12%	0.07%	0.17%	0.11%
Q3SZC0	0.12%	0.13%	0.14%	0.16%
Q5KR47	0.12%	0.13%	0.11%	0.10%
Q5E9A3	0.11%	0.13%	0.09%	0.11%
F1MD83	0.11%	0.13%	0.14%	0.16%
H2CNR1	0.11%	0.20%	0.20%	0.19%
Q2KJH6	0.11%	0.10%	0.08%	0.10%
Q3SYZ7	0.11%	0.25%	0.00%	0.00%
A7MB04	0.11%	0.10%	0.08%	0.07%
F1MPH3	0.11%	0.07%	0.12%	0.02%
Q56JV9	0.11%	0.11%	0.00%	0.00%
Q58DL9	0.11%	0.09%	0.15%	0.04%
Q8HYW7	0.11%	0.07%	0.00%	0.00%
Q9TU47	0.11%	0.04%	0.00%	0.00%
Q5E9F9	0.11%	0.10%	0.12%	0.10%
Q3ZC10	0.11%	0.08%	0.00%	0.00%
F1MDH3	0.11%	0.10%	0.12%	0.08%
Q3ZBH8	0.11%	0.12%	0.00%	0.00%
F1MPE1	0.11%	0.09%	0.12%	0.04%
F1MTN1	0.10%	0.11%	0.12%	0.00%
Q5E988	0.10%	0.07%	0.00%	0.00%
A7E3S8	0.10%	0.08%	0.10%	0.06%
P80109	0.10%	0.09%	0.09%	0.06%
P01267	0.10%	0.06%	0.11%	0.02%

P35705	0.10%	0.11%	0.08%	0.12%
Q3ZBG1	0.10%	0.07%	0.10%	0.06%
Q3SZ62	0.10%	0.11%	0.10%	0.12%
F1MFT4	0.10%	0.11%	0.08%	0.10%
P41541	0.10%	0.09%	0.08%	0.02%
Q5E9E6	0.10%	0.08%	0.05%	0.13%
Q3ZCI9	0.10%	0.11%	0.04%	0.06%
Q3T0K2	0.09%	0.09%	0.06%	0.06%
Q3ZC44	0.09%	0.09%	0.04%	0.04%
Q9BGI2	0.09%	0.10%	0.08%	0.11%
Q5U7H2	0.09%	0.07%	0.00%	0.00%
Q5E9E3	0.09%	0.10%	0.09%	0.10%
A6QLB3	0.09%	0.06%	0.11%	0.02%
Q3ZBT1	0.09%	0.09%	0.09%	0.08%
P02639	0.09%	0.00%	0.00%	0.00%
P02768-1	0.09%	0.14%	0.11%	0.20%
Q3KUS7	0.09%	0.10%	0.17%	0.22%
P02253	0.09%	0.12%	0.14%	0.16%
Q2TBI0	0.09%	0.05%	0.08%	0.06%
Q1RMP3	0.09%	0.10%	0.11%	0.00%
O77742	0.09%	0.04%	0.06%	0.04%
E1BLI9	0.09%	0.10%	0.11%	0.00%
Q58D10	0.09%	0.10%	0.00%	0.00%
Q3SZF3	0.09%	0.10%	0.10%	0.08%
F1MER7	0.09%	0.08%	0.09%	0.05%
A6QNL5	0.09%	0.06%	0.06%	0.07%
Q6Y1E2	0.09%	0.06%	0.07%	0.00%
F1MN49	0.09%	0.09%	0.00%	0.12%
Q9TTK6	0.08%	0.05%	0.06%	0.03%
A7Z066	0.08%	0.09%	0.09%	0.11%
Q58DU5	0.08%	0.04%	0.06%	0.00%
Q3YFG5	0.08%	0.05%	0.09%	0.05%
Q58DS9	0.08%	0.11%	0.13%	0.14%
A7E3W4	0.08%	0.06%	0.04%	0.05%
Q2KJF1	0.08%	0.18%	0.10%	0.12%
Q0QF29	0.08%	0.11%	0.08%	0.13%
D3JUI8	0.08%	0.14%	0.03%	0.11%
F1N367	0.08%	0.10%	0.09%	0.06%
Q3SYT9	0.08%	0.06%	0.05%	0.11%
Q862R2	0.08%	0.08%	0.06%	0.00%
O18789	0.08%	0.10%	0.06%	0.09%
Q2TBX5	0.08%	0.08%	0.06%	0.14%
F1N2K1	0.08%	0.06%	0.07%	0.00%
P12624	0.08%	0.05%	0.06%	0.06%

Q2KHU8	0.07%	0.06%	0.00%	0.04%
Q0VCX1	0.07%	0.05%	0.08%	0.02%
Q3MHN0	0.07%	0.06%	0.05%	0.08%
Q5E954	0.07%	0.07%	0.05%	0.06%
Q3SZR8	0.07%	0.00%	0.06%	0.07%
Q5KR48	0.07%	0.14%	0.04%	0.12%
A5D9H5	0.07%	0.06%	0.05%	0.00%
P12234	0.07%	0.07%	0.06%	0.07%
O77709	0.07%	0.08%	0.05%	0.02%
F1MND9	0.07%	0.05%	0.08%	0.00%
Q3T087	0.07%	0.08%	0.00%	0.10%
Q3YJG7	0.07%	0.08%	0.06%	0.00%
Q95114	0.07%	0.07%	0.10%	0.11%
P15781	0.07%	0.05%	0.07%	0.08%
E1BJY4	0.07%	0.08%	0.07%	0.00%
F1MM32	0.07%	0.07%	0.08%	0.00%
Q2KIW4	0.07%	0.07%	0.07%	0.04%
Q08E54	0.07%	0.07%	0.07%	0.00%
Q3SYR5	0.07%	0.00%	0.08%	0.00%
E1BI98	0.07%	0.08%	0.08%	0.02%
Q17QC8	0.07%	0.07%	0.17%	0.21%
P61585	0.07%	0.00%	0.00%	0.06%
Q3MHM7	0.07%	0.07%	0.08%	0.09%
F1MKG2	0.07%	0.07%	0.05%	0.03%
A5D9E9	0.07%	0.03%	0.04%	0.03%
Q9BGI3	0.07%	0.00%	0.00%	0.00%
Q9TS78	0.07%	0.00%	0.00%	0.00%
Q2TA40	0.07%	0.08%	0.08%	0.09%
F1MHQ8	0.06%	0.05%	0.08%	0.06%
Q3T0D7	0.06%	0.09%	0.00%	0.06%
A6QLG5	0.06%	0.09%	0.00%	0.12%
A3KN04	0.06%	0.07%	0.03%	0.07%
P62194	0.06%	0.05%	0.06%	0.06%
Q2KIF2	0.06%	0.00%	0.03%	0.03%
P80724	0.06%	0.11%	0.08%	0.09%
G3MYH4	0.06%	0.07%	0.00%	0.00%
G8JKV5	0.06%	0.07%	0.05%	0.09%
Q3T0L7	0.06%	0.13%	0.19%	0.17%
Q3MHL3	0.06%	0.07%	0.06%	0.06%
Q3SWX8	0.06%	0.07%	0.05%	0.04%
Q56JZ1	0.06%	0.06%	0.07%	0.06%
F1MVS9	0.06%	0.05%	0.07%	0.03%
Q5E970	0.06%	0.07%	0.00%	0.04%
Q5E983	0.06%	0.11%	0.09%	0.05%

G3MZI7	0.06%	0.04%	0.06%	0.04%
Q861V1	0.06%	0.09%	0.00%	0.00%
P05059	0.06%	0.03%	0.01%	0.03%
P56701	0.06%	0.05%	0.05%	0.03%
Q2HJ49	0.06%	0.05%	0.04%	0.03%
F2Z4H3	0.06%	0.00%	0.00%	0.00%
Q58DW5	0.06%	0.08%	0.05%	0.06%
P79125	0.05%	0.06%	0.04%	0.00%
Q5E9B7	0.05%	0.08%	0.09%	0.00%
A7E350	0.05%	0.06%	0.05%	0.02%
Q95121	0.05%	0.06%	0.05%	0.04%
Q3T0K1	0.05%	0.04%	0.00%	0.04%
F1MZ40	0.05%	0.00%	0.02%	0.00%
Q3T0S6	0.05%	0.09%	0.00%	0.10%
A7YY47	0.05%	0.10%	0.03%	0.04%
Q92764	0.05%	0.07%	0.04%	0.07%
E1BQ37	0.05%	0.03%	0.05%	0.04%
F1N2W8	0.05%	0.06%	0.06%	0.07%
Q2T9X2	0.05%	0.07%	0.03%	0.05%
Q2KIG3	0.05%	0.10%	0.06%	0.03%
F1N1G4	0.05%	0.00%	0.00%	0.00%
P21793	0.05%	0.07%	0.04%	0.00%
Q2TBP0	0.05%	0.00%	0.00%	0.00%
F1MRZ8	0.05%	0.00%	0.06%	0.00%
Q28034	0.05%	0.03%	0.05%	0.02%
A7MBG8	0.05%	0.03%	0.02%	0.03%
Q3ZBD9	0.05%	0.00%	0.06%	0.00%
P35604	0.05%	0.00%	0.00%	0.00%
Q3T0B6	0.05%	0.05%	0.04%	0.04%
A6H7C4	0.05%	0.08%	0.06%	0.10%
P13696	0.05%	0.05%	0.00%	0.00%
Q5BIP9	0.05%	0.00%	0.00%	0.10%
P18902	0.05%	0.00%	0.00%	0.00%
G1K1R6	0.05%	0.00%	0.04%	0.00%
A1L5B7	0.05%	0.07%	0.03%	0.00%
A6QR38	0.05%	0.00%	0.04%	0.06%
E1BCW0	0.04%	0.03%	0.00%	0.00%
P52556	0.04%	0.05%	0.05%	0.00%
Q2KIS7	0.04%	0.12%	0.08%	0.15%
Q3ZCK3	0.04%	0.00%	0.05%	0.06%
A6QNS6	0.04%	0.02%	0.03%	0.01%
Q148H8	0.04%	0.05%	0.07%	0.06%
Q8WN55	0.04%	0.04%	0.04%	0.00%
P39872	0.04%	0.02%	0.00%	0.00%

P26779	0.04%	0.05%	0.07%	0.02%
Q3SZC2	0.04%	0.00%	0.05%	0.00%
F1MWR8	0.04%	0.04%	0.00%	0.05%
Q58D70	0.04%	0.04%	0.03%	0.04%
E1BFV0	0.04%	0.06%	0.07%	0.08%
A7E3V7	0.04%	0.04%	0.05%	0.05%
P49410	0.04%	0.05%	0.04%	0.04%
F1N789	0.04%	0.03%	0.01%	0.02%
P10103	0.04%	0.04%	0.00%	0.00%
Q8SPF8	0.04%	0.03%	0.02%	0.00%
Q32PI5	0.04%	0.04%	0.05%	0.03%
A3KMV5	0.04%	0.04%	0.02%	0.03%
Q3ZBY4	0.04%	0.04%	0.03%	0.03%
Q29423	0.04%	0.00%	0.04%	0.03%
P58352	0.04%	0.05%	0.05%	0.02%
A1A4K8	0.03%	0.04%	0.00%	0.00%
Q3SWY3	0.03%	0.09%	0.07%	0.07%
C0L633	0.03%	0.03%	0.03%	0.03%
P61286	0.03%	0.03%	0.00%	0.03%
Q5E995	0.03%	0.09%	0.00%	0.00%
A7YW37	0.03%	0.05%	0.00%	0.00%
Q3T0L9	0.03%	0.05%	0.00%	0.07%
Q3ZBH0	0.03%	0.04%	0.00%	0.00%
Q2KJE5	0.03%	0.04%	0.04%	0.03%
J9QCU0	0.03%	0.04%	0.04%	0.03%
Q29RV1	0.03%	0.06%	0.02%	0.03%
Q3ZBH5	0.03%	0.06%	0.04%	0.00%
Q3MHE6	0.03%	0.02%	0.00%	0.00%
F1MPJ7	0.03%	0.05%	0.00%	0.00%
Q6LBN7	0.03%	0.03%	0.05%	0.04%
A7MBA2	0.03%	0.04%	0.02%	0.00%
F1N6W9	0.03%	0.03%	0.03%	0.01%
L7R5X3	0.03%	0.08%	0.00%	0.00%
Q2NL22	0.03%	0.03%	0.03%	0.04%
F1MUC5	0.03%	0.00%	0.02%	0.00%
F1MF97	0.03%	0.00%	0.03%	0.01%
Q1JP95	0.03%	0.03%	0.04%	0.00%
Q0VC47	0.03%	0.00%	0.00%	0.04%
P11179	0.03%	0.02%	0.00%	0.03%
Q5E9D7	0.03%	0.03%	0.02%	0.00%
Q86YZ3	0.03%	0.04%	0.05%	0.04%
P81282	0.03%	0.03%	0.03%	0.01%
A7MBJ5	0.03%	0.04%	0.04%	0.02%
Q3MHP6	0.03%	0.00%	0.03%	0.03%

F1MPU0	0.03%	0.04%	0.02%	0.02%
Q5E9X4	0.03%	0.05%	0.03%	0.04%
Q24JZ8	0.03%	0.00%	0.00%	0.00%
E1BPX2	0.03%	0.00%	0.03%	0.04%
Q148D3	0.03%	0.00%	0.00%	0.00%
F1N6Y1	0.03%	0.02%	0.03%	0.04%
Q3MHK9	0.03%	0.00%	0.00%	0.00%
Q9XTA3	0.03%	0.00%	0.00%	0.00%
Q0P5A6	0.03%	0.03%	0.02%	0.00%
Q7RTS7	0.02%	0.07%	0.08%	0.08%
Q3MHL7	0.02%	0.05%	0.00%	0.00%
Q28085	0.02%	0.04%	0.01%	0.01%
Q32L40	0.02%	0.06%	0.02%	0.06%
Q56JV6	0.02%	0.00%	0.00%	0.00%
A6QP36	0.02%	0.00%	0.00%	0.00%
G3N3E4	0.02%	0.02%	0.02%	0.01%
E1BEL6	0.02%	0.02%	0.02%	0.01%
Q28146	0.02%	0.02%	0.02%	0.00%
F1ME65	0.02%	0.02%	0.00%	0.02%
P23206	0.02%	0.02%	0.00%	0.00%
F1N049	0.02%	0.00%	0.00%	0.00%
Q2TBL2	0.02%	0.00%	0.00%	0.00%
Q32PI4	0.02%	0.04%	0.03%	0.02%
F1MBQ8	0.02%	0.02%	0.03%	0.04%
G3MYZ3	0.02%	0.04%	0.03%	0.02%
Q3T0L2	0.02%	0.02%	0.03%	0.00%
E1BBY7	0.02%	0.06%	0.02%	0.02%
E1BB32	0.02%	0.02%	0.02%	0.00%
Q2TBQ1	0.02%	0.05%	0.02%	0.00%
E1BJ49	0.02%	0.00%	0.02%	0.00%
E1BGX1	0.02%	0.03%	0.03%	0.00%
Q2TBU9	0.02%	0.03%	0.00%	0.04%
Q32LC7	0.02%	0.02%	0.00%	0.00%
P80227	0.02%	0.00%	0.01%	0.02%
Q2KJ42	0.02%	0.00%	0.00%	0.00%
A5PJN2	0.02%	0.03%	0.00%	0.04%
Q28182	0.02%	0.00%	0.00%	0.00%
F1N0K0	0.02%	0.01%	0.01%	0.00%
F1MTT6	0.02%	0.00%	0.00%	0.00%
Q3ZBD7	0.02%	0.00%	0.00%	0.00%
F1MDC2	0.01%	0.02%	0.00%	0.00%
A7E3Q8	0.01%	0.01%	0.00%	0.00%
Q28141	0.01%	0.02%	0.02%	0.02%
A0JN39	0.01%	0.01%	0.00%	0.00%

Q8HXV0	0.01%	0.01%	0.02%	0.01%
E1BKX7	0.01%	0.01%	0.01%	0.01%
E1BIG6	0.01%	0.01%	0.00%	0.02%
Q3ZBV8	0.01%	0.00%	0.00%	0.00%
A6QNM2	0.01%	0.00%	0.01%	0.02%
A7MB83	0.01%	0.02%	0.00%	0.00%
F1MPK6	0.01%	0.00%	0.01%	0.00%
G3MYM8	0.01%	0.01%	0.02%	0.00%
F1MC48	0.01%	0.01%	0.00%	0.00%
Q5D862	0.01%	0.02%	0.02%	0.03%
F1MYC9	0.01%	0.01%	0.00%	0.00%
E1BMC4	0.01%	0.01%	0.01%	0.01%
A0A140T856	0.01%	0.01%	0.00%	0.00%
E1BGJ0	0.01%	0.00%	0.01%	0.00%
G5E5W1	0.01%	0.01%	0.01%	0.00%
E1BFB0	0.01%	0.00%	0.00%	0.00%
A0A077KSH2	0.00%	0.16%	0.17%	0.20%
E2DI12	0.00%	0.09%	0.00%	0.00%
Q24JY8	0.00%	0.12%	0.09%	0.05%
P00171	0.00%	0.07%	0.00%	0.00%
Q0P5D6	0.00%	0.06%	0.05%	0.00%
E1BKS1	0.00%	0.05%	0.00%	0.00%
Q2KIT0	0.00%	0.10%	0.00%	0.00%
G3X8D7	0.00%	0.00%	0.05%	0.00%
F1MKY3	0.00%	0.03%	0.04%	0.02%
P27674	0.00%	0.04%	0.00%	0.04%
Q8SPJ1	0.00%	0.04%	0.04%	0.04%
E1BN90	0.00%	0.00%	0.00%	0.01%
E1BLQ2	0.00%	0.00%	0.02%	0.00%
P12378	0.00%	0.03%	0.00%	0.00%
Q3SYU8	0.00%	0.05%	0.00%	0.00%
Q3SZ87	0.00%	0.07%	0.00%	0.00%
G8JKZ8	0.00%	0.15%	0.11%	0.00%
A7E355	0.00%	0.03%	0.02%	0.00%
Q0QF04	0.00%	0.03%	0.00%	0.00%
E1BMM6	0.00%	0.02%	0.00%	0.00%
Q862J9	0.00%	0.10%	0.06%	0.06%
G3N2L2	0.00%	0.04%	0.04%	0.07%
Q9N1X8	0.00%	0.10%	0.00%	0.00%
Q2NKS8	0.00%	0.09%	0.00%	0.00%
Q58CQ9	0.00%	0.02%	0.00%	0.00%
Q1JQA6	0.00%	0.03%	0.00%	0.00%
A4IFF6	0.00%	0.00%	0.02%	0.04%
Q5E9A1	0.00%	0.07%	0.00%	0.06%

Q3B7M5	0.00%	0.05%	0.00%	0.00%
Q2HJH4	0.00%	0.04%	0.00%	0.00%
Q28024	0.00%	0.20%	0.00%	0.00%
Q7M3G9	0.00%	0.35%	0.00%	0.00%
D5MTL9	0.00%	0.11%	0.00%	0.00%
Q3ZCE2	0.00%	0.03%	0.00%	0.00%
E1BKT9	0.00%	0.00%	0.00%	0.01%
P02453	0.00%	0.01%	0.00%	0.00%
Q29RK1	0.00%	0.03%	0.00%	0.00%
P13135	0.00%	0.00%	0.04%	0.00%
FIN1C9	0.00%	0.00%	0.01%	0.01%
Q3ZBE1	0.00%	0.03%	0.00%	0.00%
Q148J6	0.00%	0.08%	0.00%	0.00%
Q56JX6	0.00%	0.13%	0.00%	0.00%
Q2KHT7	0.00%	0.11%	0.00%	0.14%
Q3T0F4	0.00%	0.08%	0.06%	0.00%

Table S5: Total absorption protein on the surface of stPEI-SPIO / siRNA nanocomplex with or without magnetic fields in two cell lines

Sample	OD	C($\mu\text{g}/\mu\text{L}$)	V(μL)	m(μg)
3T3-1	0.302	2.78	50.2	139.72
3T3-1MF	0.131	1.25	58.0	72.65
3T3-4	0.491	4.48	46.5	208.10
3T3-4MF	0.157	1.49	48.5	72.04
M-1	0.149	1.41	40.0	56.55
M-1MF	0.245	2.27	48.8	110.93
M-4	0.412	3.77	47.3	178.23
M-4MF	0.199	1.86	48.7	90.64