

A Cooperative Polymer-DNA Microarray Approach to Biomaterial Investigation

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DMAPD: 3-dimethylamino-1,2-propanediol
 NMPD: 2-nitro-2-methyl-1,3-propanediol
 OFHD: 2,2,3,3,4,4,5,5-octafluoro-1,6-hexanediol
 DHM: diethyl bis(hydroxymethyl)malonate

List of abbreviations (polyacrylate library):

St: styrene
 MMA: methyl methacrylate
 EMA: ethyl methacrylate
 BMA: butyl methacrylate
 MEMA: 2-methoxyethylmethacrylate
 MEA: 2-methoxyethylacrylate
 HEMA: 2-hydroxyethylmethacrylate
 HPMA: hydroxypropylmethacrylate
 HBMA: hydroxybutylmethacrylate
 DEAAm: diethylacrylamide
 DMAAm: dimethylacrylamide
 DEAEMA: 2-(diethylamino)ethyl methacrylate
 DMAEMA: 2-(diethylamino)ethyl methacrylate
 DEAEA: 2-(diethylamino)ethyl acrylate
 DMAEA: 2-(diethylamino)ethyl acrylate
 BAEMA: 2-(tert-butylamino)ethyl methacrylate
 A-H: acrylic acid
 AES-H: mono-2-(acryloyoxy)ethyl succinate
 MA-H: methacrylic acid
 EGMP-H: ethylene glycol methacrylate phosphate
 VP-2: 2-vinylpyridine
 DEAEMA: 2-(diethylamino)ethyl methacrylate
 DEAEA: 2-(diethylamino)ethyl acrylate

Table S2. Sequences of PCR Primers.^{1, 2}

Gene	Primer	Sequences*
RNF7	forward	CTCCCTCAAGAAGTGGAAACG
	reverse	TTGACATCTAAGACAGGCATCC
MT1E	forward	GCTTGTTTCGTCTCACTGGTG
	reverse	CAGGTTGTGCAGGTTGTTCTA
MT1X	forward	TCTCCTTGCCTCGAAATGGAC
	reverse	GGGCACACTTGGCACAGC
MT2A	forward	CCGACTCTAGCCGCCTCTT
	reverse	GTGGAAGTCGCGTTCTTTACA

***Primers are writer 5'→ 3'**

Table S3

PU	Polymer structure							72 h Cell Binding					48 h Cell Binding					24 h Cell Binding				
	Diol	Mn	Dis	Extender	ratio (mol)			AVERAGE	SD	SE	SDM	SEM	AVERAGE	SD	SE	SDM	SEM	AVERAGE	SD	SE	SDM	SEM
					M (1)	M (2)	x															
1	PEG	2000	HDI	none	48.5	51.5	0	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.75	0.96	0.48	0.83	0.41
2	PEG	900	HDI	none	48.5	51.5	0	1.50	1.00	0.50	0.87	0.43	1.25	0.50	0.25	0.43	0.22	1.00	0.00	0.00	0.00	0.00
3	PEG	400	HDI	none	48.5	51.5	0	2.75	2.87	1.44	2.49	1.24	1.00	0.00	0.00	0.00	0.00	1.25	0.50	0.25	0.43	0.22
4	PPG	2000	HDI	none	48.5	51.5	0	93.50	32.19	16.10	27.88	13.94	86.50	24.52	12.26	21.23	10.62	3.25	3.86	1.93	3.34	1.67
5	PTMG	2000	HDI	none	48.5	51.5	0	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
7	PEG	900	BICH	none	48.5	51.5	0	3.00	1.63	0.82	1.41	0.71	1.25	0.50	0.25	0.43	0.22	1.00	0.00	0.00	0.00	0.00
8	PEG	400	BICH	none	48.5	51.5	0	2.25	1.26	0.63	1.09	0.54	1.50	0.58	0.29	0.50	0.25	1.00	0.00	0.00	0.00	0.00
10	PTMG	2000	BICH	none	48.5	51.5	0	64.25	20.43	10.22	17.70	8.85	22.50	9.75	4.87	8.44	4.22	1.00	0.00	0.00	0.00	0.00
13	PEG	400	TDI	none	48.5	51.5	0	1.00	0.00	0.00	0.00	0.00	1.75	0.96	0.48	0.83	0.41	1.25	0.50	0.25	0.43	0.22
14	PPG	2000	TDI	none	48.5	51.5	0	14.25	16.50	8.25	14.29	7.14	1.00	0.00	0.00	0.00	0.00	1.50	1.00	0.50	0.87	0.43
15	PTMG	2000	TDI	none	48.5	51.5	0	1.75	1.50	0.75	1.30	0.65	1.50	1.00	0.50	0.87	0.43	1.00	0.00	0.00	0.00	0.00
16	PEG	2000	MDI	none	48.5	51.5	0	3.25	2.06	1.03	1.79	0.89	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
17	PEG	900	MDI	none	48.5	51.5	0	16.25	6.65	3.33	5.76	2.88	2.75	3.50	1.75	3.03	1.52	1.00	0.00	0.00	0.00	0.00
18	PEG	400	MDI	none	48.5	51.5	0	4.25	2.99	1.49	2.59	1.29	2.50	1.00	0.50	0.87	0.43	1.50	0.58	0.29	0.50	0.25
19	PPG	2000	MDI	none	48.5	51.5	0	12.75	9.14	4.57	7.92	3.96	2.00	2.00	1.00	1.73	0.87	1.25	0.50	0.25	0.43	0.22
20	PTMG	2000	MDI	none	48.5	51.5	0	1.25	0.50	0.25	0.43	0.22	1.00	0.00	0.00	0.00	0.00	1.25	0.50	0.25	0.43	0.22
22	PEG	900	PDI	none	48.5	51.5	0	1.00	0.00	0.00	0.00	0.00	9.00	7.87	3.94	6.82	3.41	1.75	1.50	0.75	1.30	0.65
23	PEG	400	PDI	none	48.5	51.5	0	9.00	9.49	4.74	8.22	4.11	1.00	0.00	0.00	0.00	0.00	1.75	0.96	0.48	0.83	0.41
24	PPG	2000	PDI	none	48.5	51.5	0	3.00	1.83	0.91	1.58	0.79	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
25	PTMG	2000	PDI	none	48.5	51.5	0	31.25	5.12	2.56	4.44	2.22	3.75	1.71	0.85	1.48	0.74	1.00	0.00	0.00	0.00	0.00
28	PEG	400	HMDI	none	48.5	51.5	0	12.75	3.86	1.93	3.34	1.67	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
31	PEG	2000	HDI	BD	0.25	0.52	0.23	4.25	3.20	1.60	2.77	1.39	1.75	1.50	0.75	1.30	0.65	1.25	0.50	0.25	0.43	0.22
33	PEG	900	HDI	BD	0.25	0.52	0.23	1.25	0.50	0.25	0.43	0.22	1.00	0.00	0.00	0.00	0.00	2.00	1.41	0.71	1.22	0.61
35	PEG	400	HDI	BD	0.25	0.52	0.23	3.50	3.11	1.55	2.69	1.35	3.75	3.40	1.70	2.95	1.47	2.75	1.71	0.85	1.48	0.74
37	PPG	2000	HDI	BD	0.25	0.52	0.23	2.25	1.89	0.95	1.64	0.82	1.00	0.00	0.00	0.00	0.00	2.00	0.82	0.41	0.71	0.35
39	PTMG	2000	HDI	BD	0.25	0.52	0.23	13.75	6.29	3.15	5.45	2.72	1.00	0.00	0.00	0.00	0.00	2.00	1.15	0.58	1.00	0.50
41	PEG	2000	BICH	BD	0.25	0.52	0.23	2.25	0.96	0.48	0.83	0.41	1.50	1.00	0.50	0.87	0.43	1.50	1.00	0.50	0.87	0.43
46	PEG	400	BICH	ED	0.25	0.52	0.23	2.50	2.38	1.19	2.06	1.03	1.50	1.00	0.50	0.87	0.43	1.00	0.00	0.00	0.00	0.00
48	PPG	2000	BICH	ED	0.25	0.52	0.23	3.25	2.22	1.11	1.92	0.96	1.25	0.50	0.25	0.43	0.22	2.00	2.00	1.00	1.73	0.87
49	PTMG	2000	BICH	BD	0.25	0.52	0.23	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.25	0.50	0.25	0.43	0.22
50	PTMG	2000	BICH	ED	0.25	0.52	0.23	2.00	1.15	0.58	1.00	0.50	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
53	PEG	900	TDI	BD	0.25	0.52	0.23	2.25	0.96	0.48	0.83	0.41	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
61	PEG	2000	MDI	BD	0.25	0.52	0.23	2.75	0.50	0.25	0.43	0.22	9.75	8.46	4.23	7.33	3.66	8.50	15.00	7.50	12.99	6.50
63	PEG	900	MDI	BD	0.25	0.52	0.23	4.75	1.26	0.63	1.09	0.54	1.75	1.50	0.75	1.30	0.65	1.00	0.00	0.00	0.00	0.00
65	PEG	400	MDI	BD	0.25	0.52	0.23	3.75	2.22	1.11	1.92	0.96	1.00	0.00	0.00	0.00	0.00	1.25	0.50	0.25	0.43	0.22
67	PPG	2000	MDI	BD	0.25	0.52	0.23	25.00	8.04	4.02	6.96	3.48	6.25	7.54	3.77	6.53	3.27	1.00	0.00	0.00	0.00	0.00
69	PTMG	2000	MDI	BD	0.25	0.52	0.23	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	3.00	4.00	2.00	3.46	1.73
71	PEG	2000	PDI	BD	0.25	0.52	0.23	1.50	1.00	0.50	0.87	0.43	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00

Table S3

PU	Polymer structure							72 h Cell Binding					48 h Cell Binding					24 h Cell Binding				
	Diol	Mn	Dis	Extender	ratio (mol)			AVERAGE	SD	SE	SDM	SEM	AVERAGE	SD	SE	SDM	SEM	AVERAGE	SD	SE	SDM	SEM
					M (1)	M (2)	x															
73	PEG	900	PDI	BD	0.25	0.52	0.23	5.25	4.35	2.17	3.77	1.88	3.00	4.00	2.00	3.46	1.73	1.75	0.50	0.25	0.43	0.22
77	PPG	2000	PDI	BD	0.25	0.52	0.23	65.25	17.46	8.73	15.12	7.56	3.00	4.00	2.00	3.46	1.73	3.00	1.63	0.82	1.41	0.71
79	PTMG	2000	PDI	BD	0.25	0.52	0.23	30.00	5.83	2.92	5.05	2.52	3.25	3.86	1.93	3.34	1.67	1.25	0.50	0.25	0.43	0.22
81	PEG	2000	HMDI	BD	0.25	0.52	0.23	16.75	10.69	5.34	9.26	4.63	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
83	PEG	900	HMDI	BD	0.25	0.52	0.23	2.25	1.89	0.95	1.64	0.82	1.50	0.58	0.29	0.50	0.25	1.00	0.00	0.00	0.00	0.00
85	PEG	400	HMDI	BD	0.25	0.52	0.23	3.50	1.29	0.65	1.12	0.56	2.50	1.29	0.65	1.12	0.56	1.50	0.58	0.29	0.50	0.25
87	PPG	2000	HMDI	BD	0.25	0.52	0.23	106.25	30.63	15.32	26.53	13.26	17.75	10.05	5.02	8.70	4.35	22.50	12.29	6.14	10.64	5.32
89	PTMG	2000	HMDI	BD	0.25	0.52	0.23	1.75	0.96	0.48	0.83	0.41	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
91	PTMG	650	HDI	BD	0.485	0.515	0	1.75	0.96	0.48	0.83	0.41	1.00	0.00	0.00	0.00	0.00	1.25	0.50	0.25	0.43	0.22
92	PTMG	1000	HDI	BD	0.485	0.515	0	5.50	7.72	3.86	6.69	3.34	1.00	0.00	0.00	0.00	0.00	1.25	0.50	0.25	0.43	0.22
93	PTMG	650	BICH	BD	0.485	0.515	0	25.50	12.82	6.41	11.10	5.55	2.25	0.96	0.48	0.83	0.41	4.50	4.36	2.18	3.77	1.89
94	PTMG	1000	BICH	BD	0.485	0.515	0	23.00	9.09	4.55	7.87	3.94	7.50	3.70	1.85	3.20	1.60	3.75	2.50	1.25	2.17	1.08
95	PTMG	650	MDI	BD	0.485	0.515	0	5.00	2.16	1.08	1.87	0.94	3.25	2.22	1.11	1.92	0.96	1.00	0.00	0.00	0.00	0.00
96	PTMG	1000	MDI	BD	0.485	0.515	0	1.75	0.96	0.48	0.83	0.41	1.00	0.00	0.00	0.00	0.00	1.25	0.50	0.25	0.43	0.22
97	PHNGAD	1800	BICH	DMAPD	0.25	0.52	0.23	10.75	3.69	1.84	3.19	1.60	1.25	0.50	0.25	0.43	0.22	1.00	0.00	0.00	0.00	0.00
98	PHNGAD	1800	BICH	DEAPD	0.25	0.52	0.23	1.50	1.00	0.50	0.87	0.43	1.25	0.50	0.25	0.43	0.22	1.75	1.50	0.75	1.30	0.65
99	PTMG	650	HDI	DMAPD	0.25	0.52	0.23	72.50	11.03	5.52	9.55	4.78	6.00	3.16	1.58	2.74	1.37	6.00	3.83	1.91	3.32	1.66
100	PTMG	1000	HDI	DMAPD	0.25	0.52	0.23	31.50	11.82	5.91	10.23	5.12	3.00	2.83	1.41	2.45	1.22	5.75	7.54	3.77	6.53	3.27
101	PTMG	650	BICH	DMAPD	0.25	0.52	0.23	4.50	1.29	0.65	1.12	0.56	1.00	0.00	0.00	0.00	0.00	2.00	1.41	0.71	1.22	0.61
102	PTMG	1000	BICH	DMAPD	0.25	0.52	0.23	24.50	9.04	4.52	7.83	3.91	10.50	3.70	1.85	3.20	1.60	2.00	1.41	0.71	1.22	0.61
103	PHNGAD	1800	MDI	DMAPD	0.25	0.52	0.23	1.00	0.00	0.00	0.00	0.00	2.50	1.29	0.65	1.12	0.56	1.00	0.00	0.00	0.00	0.00
104	PHNGAD	1800	MDI	DEAPD	0.25	0.52	0.23	5.50	2.38	1.19	2.06	1.03	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
105	PHNGAD	1800	HDI	DMAPD	0.25	0.52	0.23	6.75	7.68	3.84	6.65	3.32	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
106	PHNGAD	1800	HDI	DEAPD	0.25	0.52	0.23	8.25	5.38	2.69	4.66	2.33	1.00	0.00	0.00	0.00	0.00	2.00	2.00	1.00	1.73	0.87
107	PTMG	650	HDI	DEAPD	0.25	0.52	0.23	80.25	20.73	10.36	17.95	8.97	10.75	8.18	4.09	7.08	3.54	3.25	2.63	1.31	2.28	1.14
108	PTMG	1000	HDI	DEAPD	0.25	0.52	0.23	69.00	31.89	15.94	27.61	13.81	3.25	1.89	0.95	1.64	0.82	2.75	2.36	1.18	2.05	1.02
110	PTMG	1000	BICH	DEAPD	0.25	0.52	0.23	39.75	3.40	1.70	2.95	1.47	6.50	5.74	2.87	4.97	2.49	1.75	0.96	0.48	0.83	0.41
111	PTMG	650	MDI	DEAPD	0.25	0.52	0.23	5.50	2.38	1.19	2.06	1.03	1.00	0.00	0.00	0.00	0.00	2.00	1.15	0.58	1.00	0.50
112	PTMG	1000	MDI	DEAPD	0.25	0.52	0.23	7.75	6.65	3.33	5.76	2.88	3.25	3.86	1.93	3.34	1.67	1.00	0.00	0.00	0.00	0.00
114	PPG	425	HDI	BD	0.485	0.515	0	25.50	7.94	3.97	6.87	3.44	1.25	0.50	0.25	0.43	0.22	15.50	11.12	5.56	9.63	4.82
115	PPG	1000	HDI	BD	0.485	0.515	0	128.75	25.97	12.98	22.49	11.24	15.75	17.15	8.58	14.86	7.43	30.50	27.96	13.98	24.21	12.11
116	PPG	425	BICH	BD	0.485	0.515	0	9.00	6.48	3.24	5.61	2.81	1.00	0.00	0.00	0.00	0.00	1.25	0.50	0.25	0.43	0.22
117	PPG	1000	BICH	BD	0.485	0.515	0	46.75	14.55	7.27	12.60	6.30	1.25	0.50	0.25	0.43	0.22	5.25	3.95	1.97	3.42	1.71
118	PPG	425	MDI	DMAPD	0.25	0.52	0.23	10.00	4.40	2.20	3.81	1.90	1.25	0.50	0.25	0.43	0.22	2.00	1.41	0.71	1.22	0.61
119	PPG	1000	MDI	DMAPD	0.25	0.52	0.23	33.75	16.09	8.05	13.94	6.97	2.00	1.41	0.71	1.22	0.61	1.00	0.00	0.00	0.00	0.00
120	PPG	425	BICH	DEAPD	0.25	0.52	0.23	178.00	60.03	30.01	51.99	25.99	122.00	17.22	8.61	14.92	7.46	88.25	34.25	17.12	29.66	14.83
121	PPG	1000	BICH	DEAPD	0.25	0.52	0.23	108.25	11.44	5.72	9.91	4.95	72.00	45.23	22.62	39.17	19.59	58.75	28.06	14.03	24.30	12.15
123	PPG	2000	MDI	DMAPD	0.25	0.52	0.23	83.00	27.64	13.82	23.94	11.97	1.00	0.00	0.00	0.00	0.00	1.50	0.58	0.29	0.50	0.25

Table S3

PU	Polymer structure							72 h Cell Binding					48 h Cell Binding					24 h Cell Binding				
	Diol	Mn	Dis	Extender	ratio (mol)			AVERAGE	SD	SE	SDM	SEM	AVERAGE	SD	SE	SDM	SEM	AVERAGE	SD	SE	SDM	SEM
					M (1)	M (2)	x															
124	PPG	2000	TDI	DMAPD	0.25	0.52	0.23	21.50	8.74	4.37	7.57	3.78	1.00	0.00	0.00	0.00	0.00	1.50	0.58	0.29	0.50	0.25
125	PPG	1000	TDI	DMAPD	0.25	0.52	0.23	25.50	3.70	1.85	3.20	1.60	2.00	2.00	1.00	1.73	0.87	2.00	2.00	1.00	1.73	0.87
126	PPG	425	TDI	DMAPD	0.25	0.52	0.23	144.25	31.53	15.77	27.31	13.65	56.50	29.65	14.82	25.68	12.84	52.50	15.93	7.96	13.79	6.90
127	PPG	1000	BICH	DMAPD	0.25	0.52	0.23	44.00	1.83	0.91	1.58	0.79	18.25	5.38	2.69	4.66	2.33	2.25	2.50	1.25	2.17	1.08
128	PPG	2000	BICH	DMAPD	0.25	0.52	0.23	73.25	16.94	8.47	14.67	7.33	44.00	17.01	8.50	14.73	7.37	7.25	7.41	3.71	6.42	3.21
129	PPG	425	BICH	DMAPD	0.25	0.52	0.23	54.00	5.94	2.97	5.15	2.57	30.50	15.42	7.71	13.35	6.68	6.75	2.63	1.31	2.28	1.14
130	PTMG	650	TDI	DMAPD	0.25	0.52	0.23	4.00	4.24	2.12	3.67	1.84	1.25	0.50	0.25	0.43	0.22	9.25	7.23	3.61	6.26	3.13
131	PTMG	1000	TDI	DMAPD	0.25	0.52	0.23	22.25	13.10	6.55	11.34	5.67	2.00	2.00	1.00	1.73	0.87	6.75	6.95	3.47	6.02	3.01
132	PHNGAD	1800	BICH	BD	0.25	0.52	0.23	3.50	2.38	1.19	2.06	1.03	1.00	0.00	0.00	0.00	0.00	2.00	1.41	0.71	1.22	0.61
133	PHNGAD	1800	HDI	BD	0.25	0.52	0.23	7.50	7.59	3.80	6.58	3.29	1.25	0.50	0.25	0.43	0.22	3.75	1.26	0.63	1.09	0.54
134	PHNGAD	1800	MDI	BD	0.25	0.52	0.23	3.50	3.00	1.50	2.60	1.30	2.50	1.91	0.96	1.66	0.83	1.25	0.50	0.25	0.43	0.22
135	PTMG	250	BICH	DMAPD	0.25	0.52	0.23	188.00	16.77	8.39	14.53	7.26	154.25	40.18	20.09	34.79	17.40	129.75	35.65	17.82	30.87	15.44
136	PTMG	250	BICH	DEAPD	0.25	0.52	0.23	190.00	4.62	2.31	4.00	2.00	130.00	9.63	4.81	8.34	4.17	117.50	16.34	8.17	14.15	7.08
137	PTMG	250	BICH	BD	0.25	0.52	0.23	1.50	1.00	0.50	0.87	0.43	3.00	4.00	2.00	3.46	1.73	1.75	1.50	0.75	1.30	0.65
138	PTMG	250	BICH	EG	0.25	0.52	0.23	6.25	4.99	2.50	4.32	2.16	2.75	3.50	1.75	3.03	1.52	2.25	2.50	1.25	2.17	1.08
139	PTMG	650	BICH	EG	0.25	0.52	0.23	12.25	6.75	3.38	5.85	2.92	1.25	0.50	0.25	0.43	0.22	1.00	0.00	0.00	0.00	0.00
140	PTMG	1000	BICH	EG	0.25	0.52	0.23	11.00	5.83	2.92	5.05	2.52	1.25	0.50	0.25	0.43	0.22	1.25	0.50	0.25	0.43	0.22
141	PTMG	2000	BICH	EG	0.25	0.52	0.23	28.00	15.38	7.69	13.32	6.66	3.25	2.87	1.44	2.49	1.24	1.50	1.00	0.50	0.87	0.43
142	PTMG	250	BICH	PG	0.25	0.52	0.23	30.00	7.35	3.67	6.36	3.18	3.50	1.73	0.87	1.50	0.75	1.00	0.00	0.00	0.00	0.00
143	PTMG	650	BICH	PG	0.25	0.52	0.23	28.00	9.87	4.93	8.54	4.27	3.00	2.83	1.41	2.45	1.22	1.50	1.00	0.50	0.87	0.43
144	PTMG	1000	BICH	PG	0.25	0.52	0.23	6.75	1.50	0.75	1.30	0.65	3.25	2.06	1.03	1.79	0.89	2.25	2.50	1.25	2.17	1.08
145	PTMG	2000	BICH	PG	0.25	0.52	0.23	17.00	6.53	3.27	5.66	2.83	1.50	1.00	0.50	0.87	0.43	1.00	0.00	0.00	0.00	0.00
146	PTMG	250	HDI	DMAPD	0.25	0.52	0.23	64.50	22.47	11.24	19.46	9.73	18.00	7.12	3.56	6.16	3.08	3.50	5.00	2.50	4.33	2.17
147	PTMG	250	HDI	DEAPD	0.25	0.52	0.23	184.25	22.26	11.13	19.28	9.64	136.75	16.11	8.06	13.95	6.98	34.75	31.63	15.81	27.39	13.69
148	PTMG	250	HDI	BD	0.25	0.52	0.23	2.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
149	PTMG	250	HDI	EG	0.25	0.52	0.23	35.25	9.29	4.64	8.04	4.02	6.75	4.50	2.25	3.90	1.95	1.25	0.50	0.25	0.43	0.22
150	PTMG	650	HDI	EG	0.25	0.52	0.23	165.25	20.55	10.27	17.80	8.90	5.00	5.35	2.68	4.64	2.32	7.50	6.19	3.10	5.36	2.68
151	PTMG	1000	HDI	EG	0.25	0.52	0.23	145.25	24.97	12.49	21.63	10.81	3.75	4.27	2.14	3.70	1.85	1.75	0.96	0.48	0.83	0.41
152	PTMG	2000	HDI	EG	0.25	0.52	0.23	46.75	34.74	17.37	30.09	15.04	6.50	2.38	1.19	2.06	1.03	4.50	5.74	2.87	4.97	2.49
153	PTMG	250	HDI	PG	0.25	0.52	0.23	4.50	4.36	2.18	3.77	1.89	1.00	0.00	0.00	0.00	0.00	1.25	0.50	0.25	0.43	0.22
154	PTMG	650	HDI	PG	0.25	0.52	0.23	1.75	1.50	0.75	1.30	0.65	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
156	PTMG	2000	HDI	PG	0.25	0.52	0.23	1.75	0.96	0.48	0.83	0.41	1.00	0.00	0.00	0.00	0.00	1.25	0.50	0.25	0.43	0.22
157	PTMG	250	MDI	DMAPD	0.25	0.52	0.23	1.25	0.50	0.25	0.43	0.22	1.00	0.00	0.00	0.00	0.00	2.50	1.91	0.96	1.66	0.83
158	PTMG	250	MDI	OFHD	0.25	0.52	0.23	3.75	3.77	1.89	3.27	1.63	1.25	0.50	0.25	0.43	0.22	1.00	0.00	0.00	0.00	0.00
159	PTMG	250	MDI	BD	0.25	0.52	0.23	5.50	3.70	1.85	3.20	1.60	1.00	0.00	0.00	0.00	0.00	1.50	0.58	0.29	0.50	0.25
160	PTMG	250	MDI	EG	0.25	0.52	0.23	6.00	2.16	1.08	1.87	0.94	4.50	3.87	1.94	3.35	1.68	1.25	0.50	0.25	0.43	0.22
161	PTMG	650	MDI	EG	0.25	0.52	0.23	3.75	3.10	1.55	2.68	1.34	1.25	0.50	0.25	0.43	0.22	1.00	0.00	0.00	0.00	0.00
162	PTMG	1000	MDI	EG	0.25	0.52	0.23	2.00	1.15	0.58	1.00	0.50	1.00	0.00	0.00	0.00	0.00	1.75	0.96	0.48	0.83	0.41

Table S3

PU	Polymer structure							72 h Cell Binding					48 h Cell Binding					24 h Cell Binding				
	Diol	Mn	Dis	Extender	ratio (mol)			AVERAGE	SD	SE	SDM	SEM	AVERAGE	SD	SE	SDM	SEM	AVERAGE	SD	SE	SDM	SEM
					M (1)	M (2)	x															
163	PTMG	2000	MDI	EG	0.25	0.52	0.23	5.25	4.03	2.02	3.49	1.75	1.00	0.00	0.00	0.00	0.00	2.50	1.91	0.96	1.66	0.83
164	PTMG	250	MDI	PG	0.25	0.52	0.23	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.50	1.00	0.50	0.87	0.43
165	PTMG	650	MDI	PG	0.25	0.52	0.23	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	2.25	1.89	0.95	1.64	0.82
166	PTMG	1000	MDI	PG	0.25	0.52	0.23	1.75	0.50	0.25	0.43	0.22	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
168	PTMG	250	BICH	none	48.5	51.5	0	6.00	5.35	2.68	4.64	2.32	2.50	1.73	0.87	1.50	0.75	1.00	0.00	0.00	0.00	0.00
171	PTMG	250	HDI	none	48.5	51.5	0	3.25	2.87	1.44	2.49	1.24	1.25	0.50	0.25	0.43	0.22	1.00	0.00	0.00	0.00	0.00
172	PTMG	650	HDI	none	48.5	51.5	0	11.75	9.91	4.96	8.58	4.29	6.75	1.26	0.63	1.09	0.54	1.00	0.00	0.00	0.00	0.00
173	PTMG	1000	HDI	none	48.5	51.5	0	1.50	0.58	0.29	0.50	0.25	1.25	0.50	0.25	0.43	0.22	1.00	0.00	0.00	0.00	0.00
174	PTMG	250	MDI	none	48.5	51.5	0	2.25	0.96	0.48	0.83	0.41	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
175	PTMG	650	MDI	none	48.5	51.5	0	2.25	0.96	0.48	0.83	0.41	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
176	PTMG	1000	MDI	none	48.5	51.5	0	2.25	1.50	0.75	1.30	0.65	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
177	PTMG	250	HDI	NMPD	0.25	0.52	0.23	39.50	16.60	8.30	14.38	7.19	1.00	0.00	0.00	0.00	0.00	1.75	0.96	0.48	0.83	0.41
179	PTMG	2000	HDI	NMPD	0.25	0.52	0.23	57.25	27.40	13.70	23.73	11.87	16.00	15.25	7.63	13.21	6.60	1.00	0.00	0.00	0.00	0.00
181	PTMG	2000	BICH	NMPD	0.25	0.52	0.23	23.25	23.49	11.74	20.34	10.17	6.50	4.51	2.25	3.91	1.95	2.00	1.41	0.71	1.22	0.61
182	PTMG	650	MDI	NMPD	0.25	0.52	0.23	6.75	2.63	1.31	2.28	1.14	4.00	4.24	2.12	3.67	1.84	1.00	0.00	0.00	0.00	0.00
183	PTMG	1000	MDI	NMPD	0.25	0.52	0.23	1.25	0.50	0.25	0.43	0.22	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
184	PTMG	2000	MDI	NMPD	0.25	0.52	0.23	4.50	2.08	1.04	1.80	0.90	1.00	0.00	0.00	0.00	0.00	1.25	0.50	0.25	0.43	0.22
185	PHNAD	900	MDI	OFHD	0.17	0.52	0.33	4.50	3.79	1.89	3.28	1.64	1.25	0.50	0.25	0.43	0.22	1.00	0.00	0.00	0.00	0.00
186	PTMG	650	BICH	OFHD	0.25	0.52	0.23	5.25	3.20	1.60	2.77	1.39	1.25	0.50	0.25	0.43	0.22	2.25	0.96	0.48	0.83	0.41
187	PTMG	1000	BICH	OFHD	0.25	0.52	0.23	42.00	35.19	17.59	30.47	15.24	2.50	1.91	0.96	1.66	0.83	6.50	7.85	3.93	6.80	3.40
188	PTMG	2000	BICH	OFHD	0.25	0.52	0.23	5.75	1.89	0.95	1.64	0.82	1.75	0.50	0.25	0.43	0.22	1.00	0.00	0.00	0.00	0.00
189	PPG	1000	BICH	OFHD	0.17	0.52	0.33	8.00	3.46	1.73	3.00	1.50	2.50	1.29	0.65	1.12	0.56	1.00	0.00	0.00	0.00	0.00
190	PTMG	650	HDI	OFHD	0.25	0.52	0.23	3.00	2.45	1.22	2.12	1.06	1.25	0.50	0.25	0.43	0.22	1.50	1.00	0.50	0.87	0.43
191	PTMG	1000	HDI	OFHD	0.25	0.52	0.23	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
192	PTMG	2000	HDI	OFHD	0.25	0.52	0.23	2.00	1.41	0.71	1.22	0.61	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
193	PPG	1000	MDI	DMAPD	0.17	0.52	0.33	17.25	9.29	4.64	8.04	4.02	2.00	2.00	1.00	1.73	0.87	1.00	0.00	0.00	0.00	0.00
194	PTMG	650	MDI	OFHD	0.25	0.52	0.23	9.50	3.11	1.55	2.69	1.35	1.75	0.96	0.48	0.83	0.41	1.00	0.00	0.00	0.00	0.00
195	PTMG	1000	MDI	OFHD	0.25	0.52	0.23	8.00	2.58	1.29	2.24	1.12	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
196	PTMG	2000	MDI	OFHD	0.25	0.52	0.23	30.75	8.34	4.17	7.22	3.61	3.00	2.16	1.08	1.87	0.94	1.00	0.00	0.00	0.00	0.00
197	PTMG	650	BICH	DHM	0.25	0.52	0.23	101.00	17.03	8.51	14.75	7.37	6.25	7.54	3.77	6.53	3.27	4.50	3.87	1.94	3.35	1.68
199	PTMG	2000	BICH	DHM	0.25	0.52	0.23	3.00	2.83	1.41	2.45	1.22	1.75	0.96	0.48	0.83	0.41	2.00	0.82	0.41	0.71	0.35
200	PTMG	650	HDI	DHM	0.25	0.52	0.23	3.75	4.19	2.10	3.63	1.82	2.00	1.41	0.71	1.22	0.61	2.50	1.00	0.50	0.87	0.43
201	PTMG	1000	HDI	DHM	0.25	0.52	0.23	2.00	2.00	1.00	1.73	0.87	1.00	0.00	0.00	0.00	0.00	2.25	0.96	0.48	0.83	0.41
202	PTMG	2000	HDI	DHM	0.25	0.52	0.23	20.75	12.53	6.26	10.85	5.42	1.00	0.00	0.00	0.00	0.00	4.50	1.29	0.65	1.12	0.56
203	PTMG	650	MDI	DHM	0.25	0.52	0.23	2.50	2.38	1.19	2.06	1.03	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
205	PTMG	2000	MDI	DHM	0.25	0.52	0.23	11.75	6.08	3.04	5.26	2.63	2.50	3.00	1.50	2.60	1.30	1.00	0.00	0.00	0.00	0.00
207	PPG	1000	BICH	OFHD	0.25	0.52	0.23	11.25	4.99	2.50	4.32	2.16	1.75	0.96	0.48	0.83	0.41	1.00	0.00	0.00	0.00	0.00
208	PPG	1000	MDI	OFHD	0.25	0.52	0.23	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00

Table S3

PU	Polymer structure							72 h Cell Binding					48 h Cell Binding					24 h Cell Binding				
	Diol	Mn	Dis	Extender	ratio (mol)			AVERAGE	SD	SE	SDM	SEM	AVERAGE	SD	SE	SDM	SEM	AVERAGE	SD	SE	SDM	SEM
					M (1)	M (2)	x															
209	PPG	1000	HDI	PG	0.25	0.52	0.23	23.00	6.68	3.34	5.79	2.89	3.00	1.63	0.82	1.41	0.71	2.00	1.41	0.71	1.22	0.61
210	PPG	1000	BICH	PG	0.25	0.52	0.23	21.00	13.44	6.72	11.64	5.82	1.25	0.50	0.25	0.43	0.22	1.00	0.00	0.00	0.00	0.00
211	PHNAD	900	HDI	PG	0.25	0.52	0.23	3.00	3.37	1.68	2.92	1.46	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
212	PHNAD	900	BICH	PG	0.25	0.52	0.23	7.25	5.19	2.59	4.49	2.25	2.75	1.50	0.75	1.30	0.65	3.75	3.77	1.89	3.27	1.63
215	PHNAD	900	HDI	BD	0.25	0.52	0.23	4.00	2.94	1.47	2.55	1.27	4.25	3.30	1.65	2.86	1.43	1.00	0.00	0.00	0.00	0.00
216	PHNAD	900	BICH	BD	0.25	0.52	0.23	3.50	1.91	0.96	1.66	0.83	2.50	1.00	0.50	0.87	0.43	2.00	1.15	0.58	1.00	0.50
217	PHNAD	900	MDI	BD	0.25	0.52	0.23	3.50	1.29	0.65	1.12	0.56	4.00	2.58	1.29	2.24	1.12	1.00	0.00	0.00	0.00	0.00
218	PHNAD	900	HDI	DMAPD	0.25	0.52	0.23	14.75	9.43	4.71	8.17	4.08	5.00	4.32	2.16	3.74	1.87	1.00	0.00	0.00	0.00	0.00
219	PHNAD	900	BICH	DMAPD	0.25	0.52	0.23	36.25	12.09	6.05	10.47	5.24	7.50	2.65	1.32	2.29	1.15	3.00	3.37	1.68	2.92	1.46
220	PHNAD	900	MDI	DMAPD	0.25	0.52	0.23	4.00	4.08	2.04	3.54	1.77	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
221	PHNAD	900	HDI	OFHD	0.25	0.52	0.23	8.25	4.27	2.14	3.70	1.85	1.00	0.00	0.00	0.00	0.00	1.25	0.50	0.25	0.43	0.22
222	PHNAD	900	BICH	OFHD	0.25	0.52	0.23	7.00	4.24	2.12	3.67	1.84	1.00	0.00	0.00	0.00	0.00	1.75	1.50	0.75	1.30	0.65
223	PHNAD	900	MDI	OFHD	0.25	0.52	0.23	10.75	4.19	2.10	3.63	1.82	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
224	PHNAD	900	HDI	none	48.5	51.5	0	13.25	5.06	2.53	4.38	2.19	2.00	1.15	0.58	1.00	0.50	4.50	2.38	1.19	2.06	1.03
225	PHNAD	900	BICH	none	48.5	51.5	0	14.50	8.39	4.19	7.26	3.63	2.25	1.89	0.95	1.64	0.82	2.00	1.15	0.58	1.00	0.50
226	PHNAD	900	MDI	none	48.5	51.5	0	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	1.75	1.50	0.75	1.30	0.65
227	PPG-PEG	1900	HDI	none	48.5	51.5	0	134.50	9.15	4.57	7.92	3.96	24.50	20.37	10.19	17.64	8.82	21.25	15.97	7.98	13.83	6.91
228	PPG-PEG	1900	BICH	none	48.5	51.5	0	1.75	0.96	0.48	0.83	0.41	1.00	0.00	0.00	0.00	0.00	1.25	0.50	0.25	0.43	0.22
229	PPG-PEG	1900	MDI	none	48.5	51.5	0	3.50	1.29	0.65	1.12	0.56	2.50	1.73	0.87	1.50	0.75	1.00	0.00	0.00	0.00	0.00
230	PPG-PEG	1900	HDI	BD	0.25	0.52	0.23	117.75	41.29	20.65	35.76	17.88	22.00	16.10	8.05	13.95	6.97	22.75	17.40	8.70	15.07	7.54
231	PPG-PEG	1900	MDI	BD	0.25	0.52	0.23	13.75	4.99	2.50	4.32	2.16	3.75	1.71	0.85	1.48	0.74	1.00	0.00	0.00	0.00	0.00
232	PPG-PEG	1900	HDI	OFHD	0.25	0.52	0.23	48.25	33.43	16.72	28.95	14.48	13.00	5.35	2.68	4.64	2.32	4.50	3.00	1.50	2.60	1.30
233	PPG-PEG	1900	BICH	OFHD	0.25	0.52	0.23	32.25	20.76	10.38	17.98	8.99	9.00	9.56	4.78	8.28	4.14	3.00	1.83	0.91	1.58	0.79
235	PPG-PEG	1900	MDI	OFHD	0.25	0.52	0.23	1.25	0.50	0.25	0.43	0.22	1.50	1.00	0.50	0.87	0.43	1.25	0.50	0.25	0.43	0.22
236	PPG-PEG	1900	HDI	PG	0.25	0.52	0.23	24.00	13.93	6.96	12.06	6.03	3.75	3.59	1.80	3.11	1.56	1.00	0.00	0.00	0.00	0.00
238	PPG-PEG	1900	MDI	PG	0.25	0.52	0.23	5.50	3.32	1.66	2.87	1.44	1.25	0.50	0.25	0.43	0.22	1.00	0.00	0.00	0.00	0.00
239	PPG-PEG	1900	HDI	DMAPD	0.25	0.52	0.23	7.00	2.58	1.29	2.24	1.12	2.50	2.38	1.19	2.06	1.03	3.00	1.83	0.91	1.58	0.79
241	PPG-PEG	1900	MDI	DMAPD	0.25	0.52	0.23	21.25	11.47	5.74	9.93	4.97	1.25	0.50	0.25	0.43	0.22	1.25	0.50	0.25	0.43	0.22
242	PPG-PEG	1900	HDI	EG	0.25	0.52	0.23	28.25	17.35	8.67	15.02	7.51	1.75	1.50	0.75	1.30	0.65	1.00	0.00	0.00	0.00	0.00
244	PPG-PEG	1900	MDI	EG	0.25	0.52	0.23	7.00	3.46	1.73	3.00	1.50	3.50	2.89	1.44	2.50	1.25	1.00	0.00	0.00	0.00	0.00
245	PHNGAD	1800	HDI	OFHD	0.25	0.52	0.23	3.25	2.63	1.31	2.28	1.14	2.75	3.50	1.75	3.03	1.52	2.25	1.50	0.75	1.30	0.65
246	PHNGAD	1800	BICH	OFHD	0.25	0.52	0.23	1.50	1.00	0.50	0.87	0.43	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
247	PHNGAD	1800	MDI	OFHD	0.25	0.52	0.23	88.75	24.64	12.32	21.34	10.67	58.00	23.76	11.88	20.58	10.29	38.50	7.42	3.71	6.42	3.21
248	PHNGAD	1800	BICH	DMAPD	0.25	0.52	0.23	18.50	5.20	2.60	4.50	2.25	2.00	2.00	1.00	1.73	0.87	1.00	0.00	0.00	0.00	0.00
249	PHNGAD	1800	HDI	none	48.5	51.5	0	19.00	20.69	10.34	17.92	8.96	4.25	2.22	1.11	1.92	0.96	2.00	1.15	0.58	1.00	0.50
250	PHNGAD	1800	BICH	none	48.5	51.5	0	77.50	15.80	7.90	13.68	6.84	16.50	7.51	3.75	6.50	3.25	1.75	0.96	0.48	0.83	0.41
252	PHNGAD	1800	HDI	DHM	0.25	0.52	0.33	16.25	6.80	3.40	5.89	2.94	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
253	PPG-PEG	1900	MDI	DMAPD	0.17	0.52	0.33	32.75	3.77	1.89	3.27	1.63	6.50	8.39	4.19	7.26	3.63	1.50	1.00	0.50	0.87	0.43

Table S3

PU	Polymer structure							72 h Cell Binding					48 h Cell Binding					24 h Cell Binding				
	Diol	Mn	Dis	Extender	ratio (mol)			AVERAGE	SD	SE	SDM	SEM	AVERAGE	SD	SE	SDM	SEM	AVERAGE	SD	SE	SDM	SEM
					M (1)	M (2)	x															
254	PHNGAD	1800	BICH	BD	0.17	0.52	0.33	9.00	4.55	2.27	3.94	1.97	2.25	1.50	0.75	1.30	0.65	1.00	0.00	0.00	0.00	0.00
255	PPG-PEG	1900	MDI	BD	0.17	0.52	0.33	12.75	8.26	4.13	7.15	3.58	1.00	0.00	0.00	0.00	0.00	2.00	2.00	1.00	1.73	0.87
256	PPG	425	MDI	none	48.5	51.5	0	1.50	1.00	0.50	0.87	0.43	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
258	PTMG	1000	BICH	OFHD	0.17	0.52	0.33	49.75	10.18	5.09	8.81	4.41	37.25	14.82	7.41	12.83	6.42	26.25	7.72	3.86	6.68	3.34
259	PTMG	2000	BICH	DMAPD	0.17	0.52	0.33	62.25	9.74	4.87	8.44	4.22	28.00	5.60	2.80	4.85	2.42	17.25	7.93	3.97	6.87	3.43
260	PTMG	2000	BICH	OFHD	0.17	0.52	0.33	23.25	16.21	8.11	14.04	7.02	4.00	4.76	2.38	4.12	2.06	2.00	1.15	0.58	1.00	0.50
262	PTMG	2000	BICH	BD	0.17	0.52	0.33	15.25	9.07	4.53	7.85	3.93	2.75	3.50	1.75	3.03	1.52	3.50	2.65	1.32	2.29	1.15
263	PTMG	1000	HDI	OFHD	0.17	0.52	0.33	13.75	11.09	5.54	9.60	4.80	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
264	PTMG	1000	HDI	DMAPD	0.17	0.52	0.33	152.75	39.23	19.61	33.97	16.99	53.25	10.63	5.31	9.20	4.60	15.50	10.25	5.12	8.87	4.44
266	PPG-PEG	1900	BICH	DMAPD	0.17	0.52	0.33	4.00	4.08	2.04	3.54	1.77	7.00	5.89	2.94	5.10	2.55	1.00	0.00	0.00	0.00	0.00
267	PPG-PEG	1900	BICH	BD	0.17	0.52	0.33	25.50	13.03	6.51	11.28	5.64	7.50	2.52	1.26	2.18	1.09	1.50	1.00	0.50	0.87	0.43
269	PPG	2000	MDI	DEAPD	0.25	0.52	0.23	56.25	27.28	13.64	23.63	11.81	5.00	6.06	3.03	5.24	2.62	4.00	4.76	2.38	4.12	2.06
270	PTMG	2000	MDI	DMAPD	0.25	0.52	0.23	24.75	7.50	3.75	6.50	3.25	6.25	5.12	2.56	4.44	2.22	8.25	3.30	1.65	2.86	1.43
271	PEG	400	MDI	DMAPD	0.25	0.52	0.23	11.00	17.44	8.72	15.10	7.55	1.00	0.00	0.00	0.00	0.00	5.25	2.06	1.03	1.79	0.89
272	PEG	400	MDI	none	0.58	0.42	0	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00	3.75	2.22	1.11	1.92	0.96
273	PPG	425	MDI	DMAPD	0.25	0.52	0.23	20.00	22.73	11.37	19.69	9.84	1.00	0.00	0.00	0.00	0.00	3.50	1.91	0.96	1.66	0.83
274	PPG	425	MDI	none	48.5	51.5	0	12.00	9.83	4.92	8.51	4.26	1.75	0.50	0.25	0.43	0.22	3.50	1.73	0.87	1.50	0.75
275	PEG	400	MDI	none	48.5	51.5	0	5.50	3.42	1.71	2.96	1.48	3.00	3.37	1.68	2.92	1.46	1.25	0.50	0.25	0.43	0.22
276	PTMG	1000	MDI	OFHD	0.17	0.52	0.33	10.25	5.74	2.87	4.97	2.48	1.00	0.00	0.00	0.00	0.00	1.50	1.00	0.50	0.87	0.43
277	PTMG	2000	MDI	OFHD	0.17	0.52	0.33	4.50	5.69	2.84	4.92	2.46	1.75	1.50	0.75	1.30	0.65	1.00	0.00	0.00	0.00	0.00
278	PPG-PEG	1900	MDI	OFHD	0.17	0.52	0.33	8.00	3.74	1.87	3.24	1.62	1.00	0.00	0.00	0.00	0.00	1.50	1.00	0.50	0.87	0.43

List of abbreviations

Polyol:

PEG: poly(ethylene glycol)

PPG: poly(propylene glycol)

PTMG: poly(tetramethylene glycol)

PHNGAD: poly[1,6-hexanediol/neopentyl glycol/diethylene glycol-alt-(adipic acid)]diol

PHNAD: poly[1,6-hexanediol/neopentyl glycol-alt-(adipic acid)]diol

Diisocyanate:

HDI: 1,6-diisocyanohexane

MDI: 4,4'-methylenebis(phenylisocyanate)

TDI: 4-methyl-1,3-phenylene diisocyanate

PDI: 1,4-diisocyanobenzene

HMDI: 4,4'-methylenebis(cyclohexylisocyanate)

BICH: 1,3-bis(isocyanatomethyl)cyclohexane

Chain Extender:

BD: 1,4-butanediol

EG: ethylene glycol

PG: propylene glycol

ED: ethylene diamine

DMAPD: 3-dimethylamino-1,2-propanediol

NMPD: 2-nitro-2-methyl-1,3-propanediol

OFHD: 2,2,3,3,4,4,5,5-octafluoro-1,6-hexanediol

DHM: diethyl bis(hydroxymethyl)malonate

DMAPD: 3-dimethylamino-1,2-propanediol

DEAPD: 3-diethylamino-1,2-propanediol

Table S3

PA	Polymer structure								72 h Cell Binding					48 h Cell Binding					24 h Cell Binding				
	Mon(1)	Mon(2)	Mon(3)	Ratio (mol)			Monomer type		AVERAGE	SD	SE	SDM	SEM	AVERAGE	SD	SE	SDM	SEM	AVERAGE	SD	SE	SDM	SEM
				M(1)	M(2)	M(3)	M(2)	M(3)															
2E7	MMA	DEAEMA	-	70	30	-	Amine	-	63.67	52.46	17.49	49.46	16.49	16.11	13.31	4.44	12.55	4.18	15.22	12.30	4.10	11.59	3.86
3E7	MEMA	DEAEMA	-	70	30	-	Amine	-	161.00	48.75	16.25	45.96	15.32	159.33	18.35	6.12	17.30	5.77	39.11	19.92	6.64	18.78	6.26
5E7	HEMA	DEAEMA	-	70	30	-	Amine	-	55.44	24.37	8.12	22.97	7.66	13.78	8.09	2.70	7.63	2.54	3.11	3.41	1.14	3.21	1.07
6E7	HPMA	DEAEMA	-	70	30	-	Amine	-	181.22	36.85	12.28	34.75	11.58	67.11	24.03	8.01	22.65	7.55	23.89	17.30	5.77	16.31	5.44
7E7	HBMA	DEAEMA	-	70	30	-	Amine	-	283.00	30.29	10.10	28.56	9.52	177.67	25.48	8.49	24.02	8.01	50.56	15.92	5.31	15.01	5.00
8E7	EMA	DEAEMA	-	70	30	-	Amine	-	162.11	29.44	9.81	27.75	9.25	117.22	50.40	16.80	47.51	15.84	50.67	23.98	7.99	22.61	7.54
9E7	BMA	DEAEMA	-	70	30	-	Amine	-	3.56	2.01	0.67	1.89	0.63	1.33	0.71	0.24	0.67	0.22	2.11	1.54	0.51	1.45	0.48
1A5	St	DEAAm	-	50	50	-	Amide	-	21.89	24.35	8.12	22.96	7.65	58.56	27.26	9.09	25.70	8.57	46.67	33.92	11.31	31.98	10.66
1B7	St	DMAAm	-	70	30	-	Amide	-	29.67	42.39	14.13	39.96	13.32	1.11	0.33	0.11	0.31	0.10	1.33	1.00	0.33	0.94	0.31
1C7	St	PAA	-	70	30	-	Amide	-	114.56	122.54	40.85	115.54	38.51	6.22	3.03	1.01	2.86	0.95	3.67	5.45	1.82	5.14	1.71
2A7	MMA	DEAAm	-	70	30	-	Amide	-	22.00	28.77	9.59	27.13	9.04	4.78	3.38	1.13	3.19	1.06	4.00	6.78	2.26	6.39	2.13
2B7	MMA	DMAAm	-	70	30	-	Amide	-	90.56	69.43	23.14	65.46	21.82	24.78	11.67	3.89	11.00	3.67	4.56	3.91	1.30	3.69	1.23
2BA5	MMA	A-H	-	50	50	-	Acid	-	55.33	19.60	6.53	18.48	6.16	41.33	20.29	6.76	19.13	6.38	13.11	8.28	2.76	7.81	2.60
2BAe7-1	MMA	A-H	DEAEMA	70	10	20	Acid	Amine	88.67	41.98	13.99	39.58	13.19	64.89	12.48	4.16	11.77	3.92	10.56	5.50	1.83	5.19	1.73
2BAg7-1	MMA	A-H	DEAEA	70	10	20	Acid	Amine	77.56	18.13	6.04	17.10	5.70	14.11	9.82	3.27	9.25	3.08	2.00	1.94	0.65	1.83	0.61
2BB7	MMA	AES-H	-	70	30	-	Acid	-	149.22	17.10	5.70	16.12	5.37	133.56	15.08	5.03	14.22	4.74	95.11	14.50	4.83	13.67	4.56
2BCe7-1	MMA	MA-H	DEAEMA	70	10	20	Acid	Amine	145.44	23.52	7.84	22.17	7.39	5.00	3.61	1.20	3.40	1.13	3.67	6.20	2.07	5.85	1.95
2BG9	MMA	EGMP-H	-	90	10	-	Acid		63.11	17.07	5.69	16.09	5.36	39.78	14.77	4.92	13.93	4.64	9.11	4.73	1.58	4.46	1.49
2C7	MMA	PAA	-	70	30	-	Amide	-	135.00	58.73	19.58	55.37	18.46	77.22	39.50	13.17	37.24	12.41	10.67	7.79	2.60	7.35	2.45
2F7	MMA	DMAEMA	-	70	30	-	Amine	-	182.33	133.45	44.48	125.81	41.94	168.67	15.56	5.19	14.67	4.89	49.44	25.05	8.35	23.61	7.87
2G7	MMA	DEAEA	-	70	30	-	Amine	-	43.22	35.95	11.98	33.90	11.30	97.44	29.01	9.67	27.35	9.12	15.78	9.85	3.28	9.28	3.09
2H7	MMA	DMAEA	-	70	30	-	Amine	-	205.11	77.96	25.99	73.51	24.50	182.78	20.17	6.72	19.01	6.34	69.56	28.89	9.63	27.24	9.08
3A7	MEMA	DEAAm	-	70	30	-	Amide	-	10.78	8.76	2.92	8.26	2.75	1.00	0.00	0.00	0.00	0.00	1.44	1.33	0.44	1.26	0.42
3B7	MEMA	DMAAm	-	70	30	-	Amide	-	1.22	0.67	0.22	0.63	0.21	1.00	0.00	0.00	0.00	0.00	1.22	0.67	0.22	0.63	0.21
3C7	MEMA	PAA	-	70	30	-	Amide	-	4.00	4.50	1.50	4.24	1.41	1.00	0.00	0.00	0.00	0.00	1.78	1.99	0.66	1.87	0.62
3F7	MEMA	DMAEMA	-	70	30	-	Amine	-	216.33	26.98	8.99	25.44	8.48	205.22	14.65	4.88	13.81	4.60	22.78	16.85	5.62	15.89	5.30
3G7	MEMA	DEAEA	-	70	30	-	Amine	-	233.33	23.18	7.73	21.85	7.28	106.33	30.51	10.17	28.77	9.59	33.22	16.52	5.51	15.58	5.19
3H7	MEMA	DMAEA	-	70	30	-	Amine	-	46.22	16.12	5.37	15.20	5.07	29.67	10.00	3.33	9.43	3.14	18.11	8.04	2.68	7.58	2.53
3J5	MEMA	BAEMA	-	50	50	-	Amine	-	48.22	27.81	9.27	26.22	8.74	42.89	17.00	5.67	16.03	5.34	16.89	9.71	3.24	9.16	3.05
3J7	MEMA	BAEMA	-	70	30	-	Amine		138.67	13.67	4.56	12.88	4.29	90.67	22.66	7.55	21.36	7.12	27.11	13.40	4.47	12.64	4.21
4A7	MEA	DEAAm	-	70	30	-	Amide	-	2.22	1.79	0.60	1.69	0.56	1.00	0.00	0.00	0.00	0.00	2.11	2.42	0.81	2.28	0.76
4B7	MEA	DMAAm	-	70	30	-	Amide	-	1.78	1.39	0.46	1.31	0.44	2.56	1.33	0.44	1.26	0.42	1.33	0.71	0.24	0.67	0.22
4C7	MEA	PAA	-	70	30	-	Amide	-	1.00	0.00	0.00	0.00	0.00	1.11	0.33	0.11	0.31	0.10	1.00	0.00	0.00	0.00	0.00
5A7	HEMA	DEAAm	-	70	30	-	Amide	-	33.44	24.67	8.22	23.26	7.75	29.56	26.78	8.93	25.25	8.42	8.11	9.65	3.22	9.10	3.03
5AB7	HEMA	VP-2	-	70	30	-	Aromatic	-	90.22	22.39	7.46	21.11	7.04	13.89	11.65	3.88	10.98	3.66	8.22	5.36	1.79	5.05	1.68
5B7	HEMA	DMAAm	-	70	30	-	Amide	-	1.67	1.00	0.33	0.94	0.31	1.89	1.36	0.45	1.29	0.43	1.00	0.00	0.00	0.00	0.00
5C7	HEMA	PAA	-	70	30	-	Amide	-	3.67	2.06	0.69	1.94	0.65	2.44	2.07	0.69	1.95	0.65	1.56	0.73	0.24	0.68	0.23

Table S3

PA	Polymer structure								72 h Cell Binding					48 h Cell Binding					24 h Cell Binding				
	Mon(1)	Mon(2)	Mon(3)	Ratio (mol)			Monomer type		AVERAGE	SD	SE	SDM	SEM	AVERAGE	SD	SE	SDM	SEM	AVERAGE	SD	SE	SDM	SEM
				M(1)	M(2)	M(3)	M(2)	M(3)															
5F7	HEMA	DMAEMA	-	70	30	-	Amine	-	200.33	23.30	7.77	21.97	7.32	109.44	24.48	8.16	23.08	7.69	39.89	36.69	12.23	34.59	11.53
5G7	HEMA	DEAEA	-	70	30	-	Amine	-	25.78	29.31	9.77	27.64	9.21	36.89	17.34	5.78	16.35	5.45	6.78	11.04	3.68	10.41	3.47
5H7	HEMA	DMAEA	-	70	30	-	Amine	-	1.67	1.41	0.47	1.33	0.44	2.22	2.22	0.74	2.10	0.70	1.44	0.73	0.24	0.68	0.23
5J7	HEMA	BAEMA	-	70	30	-	Amine	-	39.89	19.67	6.56	18.54	6.18	28.00	22.64	7.55	21.35	7.12	14.56	11.67	3.89	11.01	3.67
6A7	HPMA	DEAAm	-	70	30	-	Amide	-	1.00	0.00	0.00	0.00	0.00	10.22	9.97	3.32	9.40	3.13	5.67	6.75	2.25	6.36	2.12
6B7	HPMA	DMAAm	-	70	30	-	Amide	-	1.00	0.00	0.00	0.00	0.00	1.89	1.54	0.51	1.45	0.48	1.89	1.17	0.39	1.10	0.37
6C7	HPMA	PAA	-	70	30	-	Amide	-	1.11	0.33	0.11	0.31	0.10	2.11	1.62	0.54	1.52	0.51	1.22	0.44	0.15	0.42	0.14
6F7	HPMA	DMAEMA	-	70	30	-	Amine	-	233.78	30.97	10.32	29.20	9.73	166.22	46.15	15.38	43.51	14.50	53.00	34.66	11.55	32.68	10.89
6G7	HPMA	DEAEA	-	70	30	-	Amine	-	207.00	20.48	6.83	19.31	6.44	143.33	19.43	6.48	18.32	6.11	21.78	17.39	5.80	16.40	5.47
6H7	HPMA	DMAEA	-	70	30	-	Amine	-	56.00	28.44	9.48	26.81	8.94	13.11	12.85	4.28	12.11	4.04	6.89	9.44	3.15	8.90	2.97
7A7	HBMA	DEAAm	-	70	30	-	Amide	-	112.22	63.02	21.01	59.41	19.80	64.89	31.87	10.62	30.05	10.02	17.44	11.19	3.73	10.55	3.52
7B7	HBMA	DMAAm	-	70	30	-	Amide	-	1.00	0.00	0.00	0.00	0.00	3.11	4.59	1.53	4.33	1.44	1.00	0.00	0.00	0.00	0.00
7C7	HBMA	PAA	-	70	30	-	Amide	-	1.56	1.33	0.44	1.26	0.42	1.56	0.88	0.29	0.83	0.28	2.44	1.33	0.44	1.26	0.42
7F7	HBMA	DMAEMA	-	70	30	-	Amine	-	281.67	16.46	5.49	15.52	5.17	260.56	22.23	7.41	20.96	6.99	58.00	30.79	10.26	29.03	9.68
7G7	HBMA	DEAEA	-	70	30	-	Amine	-	273.00	30.17	10.06	28.44	9.48	221.67	21.11	7.04	19.90	6.63	124.78	33.67	11.22	31.74	10.58
7H7	HBMA	DMAEA	-	70	30	-	Amine	-	265.33	28.43	9.48	26.80	8.93	247.89	37.56	12.52	35.42	11.81	85.33	15.15	5.05	14.28	4.76
8F7	EMA	DMAEMA	-	70	30	-	Amine	-	246.44	95.01	31.67	89.58	29.86	195.56	19.24	6.41	18.14	6.05	93.22	34.44	11.48	32.47	10.82
8G7	EMA	DEAEA	-	70	30	-	Amine	-	35.33	43.17	14.39	40.70	13.57	59.22	45.06	15.02	42.48	14.16	5.56	6.37	2.12	6.00	2.00
8H7	EMA	DMAEA	-	70	30	-	Amine	-	43.89	23.60	7.87	22.25	7.42	20.33	19.33	6.44	18.23	6.08	18.78	12.29	4.10	11.58	3.86
9F7	BMA	DMAEMA	-	70	30	-	Amine	-	2.89	2.52	0.84	2.38	0.79	2.67	2.74	0.91	2.58	0.86	1.56	1.13	0.38	1.07	0.36
9G7	BMA	DEAEA	-	70	30	-	Amine	-	13.56	7.86	2.62	7.41	2.47	2.67	2.29	0.76	2.16	0.72	2.00	2.00	0.67	1.89	0.63
9H7	BMA	DMAEA	-	70	30	-	Amine	-	1.78	1.99	0.66	1.87	0.62	3.00	4.56	1.52	4.29	1.43	1.67	1.41	0.47	1.33	0.44

List of abbreviations

Monomers 1:

St: styrene
MMA: methyl methacrylate
EMA: ethyl methacrylate
BMA: butyl methacrylate
MEMA: 2-methoxyethylmethacrylate
MEA: 2-methoxyethylacrylate
HEMA: 2-hydroxyethylmethacrylate
HPMA: hydroxypropylmethacrylate
HBMA: hydroxybutylmethacrylate

Monomers 2:

DEAAm: diethylacrylamide
DMAAm: dimethylacrylamide
DEAEMA: 2-(diethylamino)ethyl methacrylate
DMAEMA: 2-(diethylamino)ethyl methacrylate
DEAEA: 2-(diethylamino)ethyl acrylate
DMAEA: 2-(diethylamino)ethyl acrylate
BAEMA: 2-(tert-butylamino)ethyl methacrylate
A-H: acrylic acid
AES-H: mono-2-(acryloyoxy)ethyl succinate
MA-H: methacrylic acid
EGMP-H: ethylene glycol methacrylate phosphate
VP-2: 2-vinylpyridine

Monomers 3:

DEAEMA: 2-(diethylamino)ethyl methacrylate
DEAEA: 2-(diethylamino)ethyl acrylate

Table S4. Genes up and down-regulated when K562 adhered onto polyacrylates 7E7 and 7F7. 3 fold increase or decrease; $p \leq 0.01$.

GeneSymbol	UniGene	Gene Description	Regulation	Fold change
MED18	Hs.479911	mediator of RNA polymerase II transcription	up	3.602858
XPR1	Hs.227656	xenotropic and polytropic retrovirus receptor (XPR1)	up	3.426608
HMGCS1	Hs.397729	3-hydroxy-3-methylglutaryl-Coenzyme A synthase 1 (soluble) (HMGCS1)	up	3.095691
A_24_P110101			down	6.857586
MT1E	Hs.534330	metallothionein 1E (MT1E)	down	6.630084
GDNF	Hs.248114	Glial cell line-derived neurotrophic factor precursor (Astrocyte- derived trophic factor 1) (ATF-1).	down	5.934063
MT2A	Hs.647371	metallothionein 2A (MT2A)	down	5.611832
PIP5K1C	Hs.282177	phosphatidylinositol-4-phosphate 5-kinase	down	5.481556
OTUD7A	Hs.355236	OTU domain containing 7A (OTUD7A)	down	5.401284
MT1L	Hs.647358	mRNA for metallothionein isoform 1R. [X97261]	down	5.348883
NPBWR1	Hs.248117	neuropeptides B/W receptor 1 (NPBWR1)	down	5.281037
BX089650	Hs.520524	BX089650 Soares_senescent_fibroblasts_NbHSF	down	5.231076
PPP1R11	Hs.82887	protein phosphatase 1	down	5.134451
SCRT2	Hs.355284	scratch homolog 2	down	5.121037
MT1G	Hs.433391	metallothionein 1G (MT1G)	down	5.103136
ENAH	Hs.497893	enabled homolog (Drosophila) (ENAH)	down	4.950873
FOXC1		FOXD4a mRNA	down	4.904665
KRT80	Hs.140978	keratin 80 (KRT80)	down	4.812133
SLC26A1	Hs.658244	solute carrier family 26 (sulfate transporter)	down	4.802229
AVP	Hs.89648	arginine vasopressin (neurophysin II)	down	4.771986
MT1X	Hs.374950	metallothionein 1X (MT1X)	down	4.744716
MT1H	Hs.438462	metallothionein 1H (MT1H)	down	4.634864
BG182941	Hs.635280	RST1823 Athersys RAGE Library cDNA	down	4.595284
AF100640		metastasis related protein (MB2) mRNA	down	4.57119
IFITM5	Hs.443469	interferon induced transmembrane protein 5 (IFITM5)	down	4.476965
LOC146325	Hs.632220	similar to hypothetical protein FLJ13841 (LOC146325)	down	4.470988
GPX1	Hs.76686	glutathione peroxidase 1 (GPX1)	down	4.445189
MT1X	Hs.374950	metallothionein 1X (MT1X)	down	4.432296
THC2724451			down	4.431935
DEAF1	Hs.243994	deformed epidermal autoregulatory factor 1 (Drosophila) (DEAF1)	down	4.34491
CACNA1E	Hs.437444	calcium channel	down	4.212575
GPR78	Hs.350588	G protein-coupled receptor 78 (GPR78)	down	4.212072
BX427435	Hs.625249	BX427435 FETAL LIVER cDNA clone CSODM010YK16 3-PRIME	down	4.155675
LBH	Hs.567598	limb bud and heart development homolog (mouse) (LBH)	down	4.128306
PRR15	Hs.91109	proline rich 15 (PRR15)	down	4.118596
BM913108	Hs.675862	AGENCOURT_6614092 NIH_MGC_41 cDNA clone IMAGE:5475119 5'	down	4.092039
FOXE1		HFKH4 mRNA for fork head like protein.	down	4.079493
LOC728864		PREDICTED: similar to Mucin-2 precursor (Intestinal mucin 2) (LOC728864)	down	4.057616
A_32_P105865			down	4.016038
LCE2D	Hs.490225	late cornified envelope 2D (LCE2D)	down	4.001553
AY227436		drug-sensitive protein 1 mRNA	down	3.958285
NP511100		GB AB065467.1 BAC05726.1 seven transmembrane helix receptor	down	3.921783
AF264621		uncharacterized gastric protein YA42P mRNA	down	3.815366

C6orf85	Hs.132340	chromosome 6 open reading frame 85 (C6orf85)	down	3.80344
NKX2-8	Hs.234763	NK2 transcription factor related	down	3.763959
MPHOSPH9	Hs.577404	M-phase phosphoprotein 9 (MPHOSPH9)	down	3.748409
BU191598	Hs.657999	AGENCOURT_8099541 NIH_MGC_102 cDNA clone IMAGE:6254414 5'	down	3.740927
AA420998	Hs.178095	AA420998 zu08f10.s1 Soares_testis_NHT	down	3.687898
ZNF771	Hs.148584	zinc finger protein 771 (ZNF771)	down	3.687511
A_32_P101195			down	3.68306
ALDH7A1	Hs.483239	aldehyde dehydrogenase 7 family	down	3.652222
NKD2	Hs.240951	naked cuticle homolog 2 (Drosophila) (NKD2)	down	3.616611
AT_ssH_RR_5			down	3.612409
MT1B	Hs.656629	metallothionein 1B (MT1B)	down	3.605189
GLIS2	Hs.592087	GLIS family zinc finger 2 (GLIS2)	down	3.555409
CDH24	Hs.155912	cadherin-like 24 (CDH24)	down	3.554717
GPSM3	Hs.520046	G-protein signalling modulator 3 (AGS3-like)	down	3.510974
LOC441204	Hs.587432	cDNA FLJ31922 fis	down	3.480002
A_24_P932958			down	3.473495
BC080624	Hs.661522	cDNA clone MGC:99790 IMAGE:6304510	down	3.456794
RHBDL1	Hs.137572	rhomboid	down	3.407337
THC2545510		ALU1_HUMAN (P39188) Alu subfamily J sequence contamination warning entry	down	3.328653
THC2625851			down	3.317711
C19orf31	Hs.620488	chromosome 19 open reading frame 31 (C19orf31)	down	3.29774
ARTN	Hs.632404	artemin (ARTN)	down	3.246185
MT1H	Hs.438462	metallothionein 1H (MT1H)	down	3.149085
LOC651746	Hs.680828	PREDICTED: similar to ankyrin repeat domain 33 (LOC651746)	down	3.137396
CXorf57	Hs.274267	chromosome X open reading frame 57 (CXorf57)	down	3.11862
AK095945	Hs.134857	cDNA FLJ38626 fis	down	3.11509
PYY2	Hs.157195	peptide YY	down	3.105613
LIPE	Hs.656980	lipase	down	3.0735
BC009749	Hs.611748	cDNA clone IMAGE:3689276	down	3.069903
CTSL2	Hs.660866	cathepsin L2 (CTSL2)	down	3.051484
SYNGR4	Hs.408333	synaptogyrin 4 (SYNGR4)	down	3.039134
MAFA	Hs.670866	v-maf musculoaponeurotic fibrosarcoma oncogene homolog A (avian) (MAFA)	down	3.014311
A_24_P928250			down	3.012699
NLF1	Hs.202656	nuclear localized factor 1 (NLF1)	down	3.009897

^aGenes Symbol starting by A_ are still unknown. ^bNormalized absolute values

Table S5. Downregulated* pathways and genes found in them (source KEGG database).

hsa04930 Type II diabetes mellitus	(4 out of 44)
MAFA; v-maf musculoaponeurotic fibrosarcoma oncogene homolog A (avian)	
CACNA1B, CACNL1A5; calcium channel, voltage-dependent, N type, alpha 1B subunit	
CACNA1E, CACNL1A6; calcium channel, voltage-dependent, R type, alpha 1E subunit	
IRS2; insulin receptor substrate 2	
hsa04010 MAPK signaling pathway	(3 out of 357)
TNFRSF1A; tumor necrosis factor receptor superfamily, member 1A	
CACNA1B, CACNL1A5; calcium channel, voltage-dependent, N type, alpha 1B subunit	
CACNA1E, CACNL1A6; calcium channel, voltage-dependent, R type, alpha 1E subunit	
hsa04060 Cytokine-cytokine receptor interaction	(3 out of 260)
CXCR3; chemokine (C-X-C motif) receptor 3	
CXCL3; chemokine (C-X-C motif) ligand 3	
TNFRSF1A; tumor necrosis factor receptor superfamily, member 1A	
hsa04920 Adipocytokine signaling pathway	(3 out of 72)
CAMKK2; calcium/calmodulin-dependent protein kinase kinase 2, beta	
TNFRSF1A; tumor necrosis factor receptor superfamily, member 1A	
IRS2; insulin receptor substrate 2	
hsa01430 Cell Communication	(3 out of 138)
COL6A1; collagen, type VI, alpha 1	
KRT14, EBS3, EBS4; keratin 14	
hsa04020 Calcium signaling pathway	(2 out of 174)
CACNA1B, CACNL1A5; calcium channel, voltage-dependent, N type, alpha 1B subunit	
CACNA1E, CACNL1A6; calcium channel, voltage-dependent, R type, alpha 1E subunit	
hsa04080 Neuroactive ligand-receptor interaction	(2 out of 254)
GPR156; G protein-coupled receptor 156	
NPBWR1, GPR7; neuropeptides B/W receptor 1	
hsa04510 Focal adhesion	(2 out of 200)
COL6A1; collagen, type VI, alpha 1	
PIP5K1C; phosphatidylinositol-4-phosphate 5-kinase, type I, gamma	
hsa04910 Insulin signaling pathway	(2 out of 138)
LIPE; lipase, hormone-sensitive	
IRS2; insulin receptor substrate 2	

*Genes presenting > 2 fold decrease in gene expression

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