

Table S1. List of miRNAs expressed in platelets on microarray
Ordered from highest to lowest intensity

miRNA	Mean Hy3 intensity
hsa-miR-223	46787.5
hsa-miR-26b	45289.5
hsa-miR-26a	32285
hsa-miR-23a	28194
hsa-miR-126	27506.5
hsa-miR-21	27292
hsa-let-7f	25011
hsa-miR-22	22045
hsa-miR-24	20431.5
hsa-miR-720	19662
hsa-miR-16	18449
hsa-miR-23b	17502
hsa-miR-142-3p	15595.5
hsa-miR-142-5p	13715.5
hsa-miR-191	13172.5
hsa-miR-451	12908.5
hsa-miR-30b	11444.5
hsa-miR-15b	11392.5
hsa-let-7a	11026
hsa-miR-1826	10984.5
hsa-miR-17	10085.5
hsa-miR-103	8905.5
hsa-miR-106a	8465.5
hsa-miR-30c	8384.5
hsa-miR-130a	8026.5
hsa-let-7g	7777.5
hsa-miR-30a	7284
hsa-miR-146b-5p	6242
hsa-miR-34b	5972
hsa-miR-106b	5644
hsa-miR-15a	5580
hsa-miR-374a	5476.5
hsa-miR-20a	5407.5
hsa-miR-185	5177.5
hsa-miR-146a	4895.5
hsa-let-7i	4734
hsa-let-7c	4516
hsa-miR-19a	4384
hsa-let-7d	4283.5
hsa-miR-27a	4194.5
hsa-miR-320a	4164.5
hsa-miR-93	4153
hsa-miR-126*	4109.5
hsa-miR-320b	3943
hsa-miR-222	3708.5

miRNA	Mean Hy3 intensity
hsa-miR-151-5p	3529.5
hsa-miR-320c	3435.5
hsa-miR-107	3378
hsa-miR-1308	3343
hsa-miR-199a-3p/hsa-miR-199b-3p	3081.5
hsa-miR-199a-5p	2994
hsa-miR-28-5p	2990.5
hsa-miR-339-5p	2927
hsa-miR-30e	2848
hsa-let-7b	2723
hsa-miR-423-3p	2544
hsa-miR-221	2474
hsa-miR-29a	2437.5
hsa-miR-423-5p	2416
hsa-miR-1285	2398
hsa-miR-320d	2372
hsa-miR-425	2263.5
hsa-miR-744	2261.5
hsa-miR-19b	2223.5
hsa-miR-335	2153
hsa-miR-30d	2135.5
hsa-miR-1280	2104.5
hsa-miR-551b	2071
hsa-miR-491-3p	2070
hsa-let-7e	2012
hsa-miR-151-3p	1969.5
hsa-miR-625	1966
hsa-miR-101	1959
hsa-miR-148b	1933
hsa-miR-18a	1846.5
hsa-miR-125a-5p	1791.5
hsa-miR-140-3p	1766.5
hsa-miR-18b	1688.5
hsa-miR-374b	1561.5
hsa-miR-1297	1551
hsa-miR-331-3p	1532
hsa-miR-1264	1454
hsa-miR-98	1444
hsa-miR-342-3p	1428.5
hsa-miR-301a	1379.5
hsa-miR-584	1308.5
hsa-miR-186	1280.5
hsa-miR-195	1252.5
hsa-miR-361-5p	1072.5
hsa-miR-30e*	1060
hsa-miR-25	1055
hsa-miR-486-5p	1037

miRNA	Mean Hy3 intensity
hsa-miR-143	953
hsa-miR-22*	949
hsa-miR-181a	939
hsa-miR-20b	917
hsa-miR-652	825
hsa-miR-340	809.5
hsa-miR-29c	778
hsa-miR-130b	771.5
hsa-miR-99b	766.5
hsa-miR-1827	740
hsa-miR-29b	671.5
hsa-miR-487b	607
hsa-miR-376c	606.5
hsa-miR-140-5p	601.5
hsa-miR-92a	600
hsa-miR-92b	583.5
hsa-miR-933	569
hsa-miR-424	548.5
hsa-miR-494	547
hsa-miR-1908	511.5
hsa-miR-32	485.5
hsa-miR-425*	472.5
hsa-miR-326	467
hsa-miR-125b-1*	461
hsa-miR-152	456
hsa-miR-1274a	446
hsa-miR-197	445.5
hsa-miR-377	427.5
hsa-miR-144	425.5
hsa-miR-129*	424.5
hsa-miR-27b	399.5
hsa-miR-33a	379
hsa-miR-654-3p	377.5
hsa-miR-185*	363.5
hsa-miR-24-1*	363
hsa-miR-363	358
hsa-miR-128	355
hsa-miR-138-1*	337
hsa-miR-337-3p	333.5
hsa-miR-1301	331.5
hsa-miR-519d	331
hsa-miR-125b	312.5
hsa-miR-103-2*	308.5
hsa-miR-10a	303
hsa-miR-32*	290.5
hsa-miR-665	289.5
hsa-miR-148a	288

miRNA	Mean Hy3 intensity
hsa-miR-337-5p	280
hsa-miR-409-3p	279.5
hsa-let-7d*	274
hsa-miR-495	273
hsa-miR-190	267
hsa-miR-888*	264.5
hsa-miR-505	257.5
hsa-miR-24-2*	252.5
hsa-miR-574-5p	252
hsa-miR-411*	250
hsa-miR-519e	250
hsa-miR-145	246
hsa-miR-628-3p	242
hsa-miR-1	241
hsa-miR-378	236
hsa-miR-339-3p	232.5
hsa-miR-1274b	228.5
hsa-miR-155	225.5
hsa-miR-766	225.5
hsa-miR-16-2*	223.5
hsa-miR-342-5p	220
hsa-miR-574-3p	220
hsa-miR-765	219.5
hsa-miR-599	218.5
hsa-miR-1246	218
hsa-miR-20a*	215
hsa-miR-484	215
hsa-miR-106b*	213.5
hsa-miR-369-3p	210
hsa-miR-485-3p	206.5
hsa-miR-17*	202
hsa-miR-620	199
hsa-miR-7	190.5
hsa-miR-642	189.5
hsa-miR-886-3p	181
hsa-miR-379	175.5
hsa-miR-1261	175
hsa-miR-600	173.5
hsa-miR-1307	171
hsa-miR-493*	171
hsa-miR-877	165
hsa-miR-193b*	164
hsa-miR-548c-5p	163.5
hsa-miR-1265	159.5
hsa-miR-381	155
hsa-miR-301b	154
hsa-miR-505*	150.5

miRNA	Mean Hy3 intensity
hsa-miR-1290	148.5
hsa-miR-376a	146.5
hsa-miR-379*	145
hsa-miR-411	145
hsa-miR-361-3p	144.5
hsa-miR-376a*	144
hsa-miR-328	143
hsa-miR-518a-5p/hsa-miR-527	143
hsa-miR-208a	143
hsa-miR-133a	141.5
hsa-miR-338-3p	141
hsa-miR-133b	141
hsa-miR-223*	138.5
hsa-miR-200c	138.5
hsa-miR-576-3p	137.5
hsa-miR-576-5p	136.5
hsa-miR-374b*	134.5
hsa-miR-224	132.5
hsa-miR-548d-5p	131.5
hsa-miR-382	130.5
hsa-miR-184	127.5
hsa-miR-300	120.5
hsa-let-7a*	117
hsa-miR-200b	116.5
hsa-miR-324-5p	115
hsa-miR-221*	114.5
hsa-miR-421	114.5
hsa-miR-329	114.5
hsa-miR-664	114
hsa-miR-28-3p	113.5
hsa-miR-1255a	112.5
hsa-miR-99b*	111
hsa-miR-634	110.5
hsa-miR-144*	110.5
hsa-miR-432	110
hsa-miR-26b*	109
hsa-miR-491-5p	108.5
hsa-miR-181c	108
hsa-miR-376b	107
hsa-miR-1249	106.5
hsa-miR-127-3p	105
hsa-miR-1277	104.5
hsa-miR-410	104.5
hsa-miR-129-5p	103.5
hsa-miR-181a*	103
hsa-miR-29c*	102.5
hsa-miR-182	102.5

miRNA	Mean Hy3 intensity
hsa-miR-660	101.5
hsa-miR-629	100.5
hsa-miR-452	100.5
hsa-miR-939	100.5
hsa-miR-194	100
hsa-miR-139-5p	98.5
hsa-miR-1260	98.5
hsa-miR-21*	98.5
hsa-miR-374a*	98
hsa-miR-345	98
hsa-miR-26a-2*	97.5
hsa-miR-93*	97
hsa-miR-15b*	96.5
hsa-miR-769-5p	94
hsa-miR-136*	94
hsa-miR-1226	93
hsa-miR-220b	93
hsa-miR-549	92
hsa-miR-487a	91.5
hsa-miR-532-5p	91
hsa-miR-550	90.5
hsa-miR-500*	89
hsa-miR-30c-1*	88
hsa-miR-887	87.5
hsa-miR-330-3p	86
hsa-miR-30b*	85.5
hsa-let-7b*	83.5
hsa-miR-135a	83
hsa-miR-583	81.5
hsa-let-7f-2*	81
hsa-miR-889	81
hsa-miR-23a*	80
hsa-miR-18a*	79
hsa-miR-299-5p	76.5
hsa-miR-1300	76
hsa-miR-486-3p	74
hsa-miR-141	73.5
hsa-miR-513a-3p	73.5
hsa-miR-589	72.5
hsa-let-7f-1*	72
hsa-miR-99a	71
hsa-miR-664*	70.5
hsa-miR-34a	69
hsa-miR-100	68
hsa-miR-369-5p	67.5
hsa-miR-7-1*	67
hsa-miR-192	67

miRNA	Mean Hy3 intensity
hsa-miR-431	66
hsa-miR-154*	63.5
hsa-miR-134	63
hsa-miR-362-3p	56.5

Table S2. List of all 41 differentially expressed miRNAs used in the Heatmap
Ordered in the descending order of difference in mean expression between the hyperreactive and hyporeactive

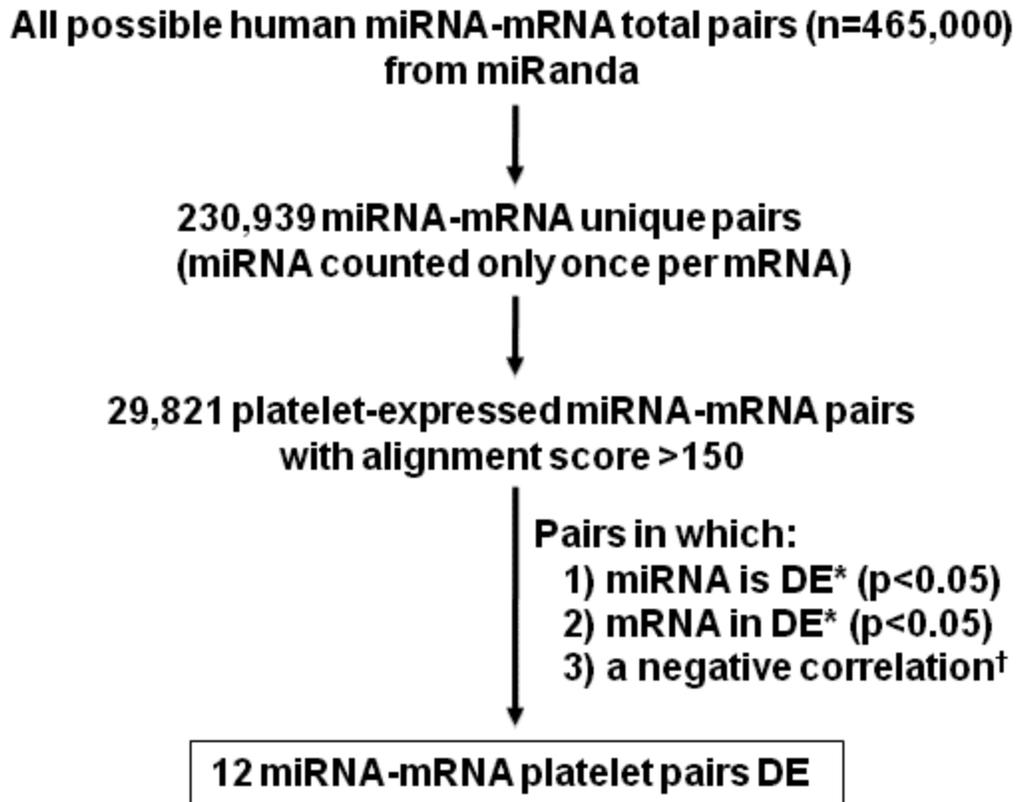
miRNAs with higher mean expression in Hyporeactive platelets compared to Hyperreactive platelets

hsa-miR-376c
hsa-miR-144
hsa-miR-337-5p
hsa-miR-411
hsa-miR-377
hsa-miR-376a*
hsa-miR-376a
hsa-miR-376b
hsa-miR-451
hsa-miR-337-3p
hsa-miR-654-3p
hsa-miR-369-3p
hsa-miR-144*
hsa-miR-136*
hsa-miR-190
hsa-miR-379*
hsa-miR-379
hsa-miR-493*
hsa-miR-495
hsa-miR-329
hsa-miR-410
hsa-miR-381
hsa-miR-889
hsa-miR-127-3p
hsa-miR-29b
hsa-miR-19a
hsa-miR-142-3p
hsa-miR-409-3p
hsa-miR-411*
hsa-miR-432
hsa-miR-19b
hsa-miR-32
hsa-miR-369-5p
hsa-miR-431

miRNAs with higher mean expression in Hyperreactive platelets compared to Hyporeactive platelets

hsa-miR-625
hsa-miR-584
hsa-miR-320a
hsa-miR-34b
hsa-miR-320c
hsa-miR-320b
hsa-miR-320d

Figure S1. Bioinformatic Approach to Platelet miRNA-mRNA Pairs Selection



* differentially expressed between hyper- and hypo-reactive platelets

† Direction of DE is inverse between mRNA and miRNA (shown in Fig 4)

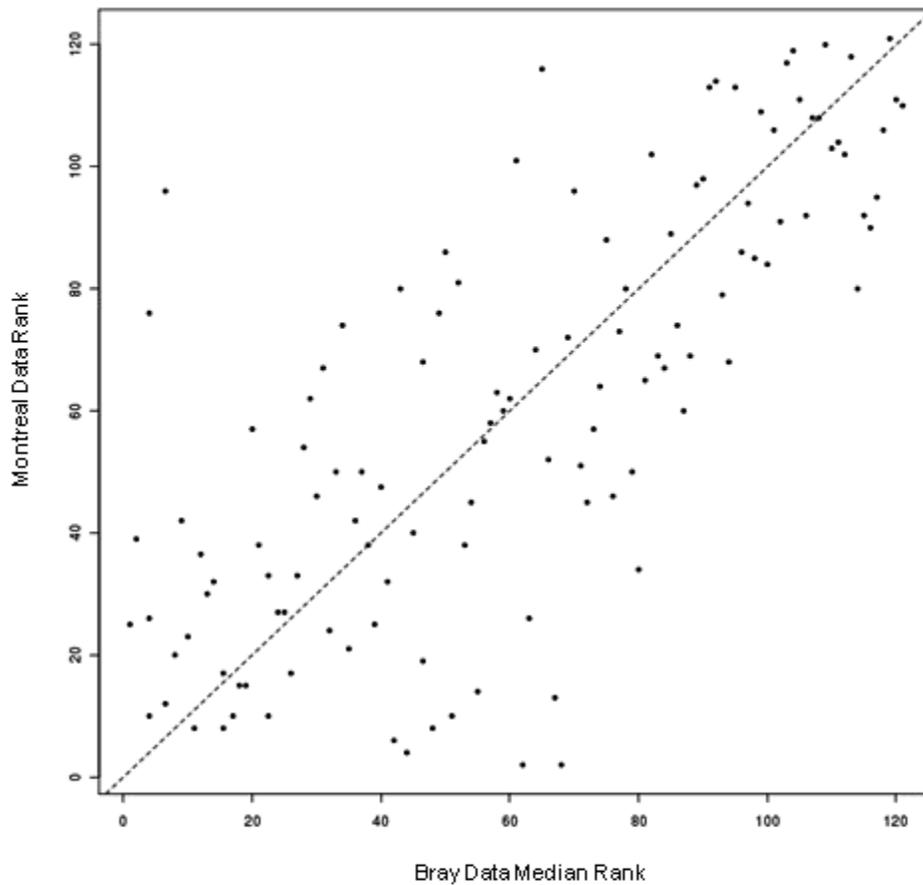


Figure S2

The Hy3 fluorescence across the 19 samples was analyzed to identify miRNAs showing expression in the platelet samples. We restricted our analysis to the 284 probes that had detectable values across all 19 samples and that corresponded to known miRNAs or miRNA complements. The Hy3 and Hy5 values of the 284 platelet expressed miRNAs are shown in supplemental table 1. We then determined (a) the median Hy3 intensity value across all samples and (b) the median rank Hy3 intensity.