

DIAGNOSIS OF PROSTATE CANCER VIA MULTI-LIGAND BINDING OF PROSTATE-
DERIVED EXREACELLULAR VESICLES AND VESICULAR MI-RNA ANALYSIS

SUPPLEMENTARY DATA

Supplementary Table S1. Information about patients

	Age	Gleason score	Grade 1	Grade 2	Clinical stage	Risk group (1 – high, 2 – medium, 3 – low)	PSA, ng/ml	Prostate volume (sm × sm × sm × 0.52)
patient_1	68	7	3	4	T3bN0M0	1	25.0	80.0
patient_2	73	6	3	3	cT2cN0M0	1	82.0	55.0
patient_3	59	8	4	4	cT2cN0M0	1	9.7	50.0
patient_4	62	6	3	3	cT2aN0M0	3	6.5	45.0
patient_5	62	8	4	4	T3aN0M0	1	14.0	54.0
patient_6	72	7	3	4	T2cN0M0	2	5.8	40.6
patient_7	74	8	4	4	T3aN0M0	1	8.0	69.0
patient_8	71	9	4	5	T3bN1M0	1	7.0	40.0
patient_9	63	7	3	4	T2bN0M0	2	5.7	41.1
patient_10	63	7	4	3	T2aN0M0	2	16.8	120.0
patient_11	74	7	3	4	T2cN0M0	2	13.9	35.0
patient_12	66	7	3	4	T2bN0M0	2	14.5	75.0
patient_13	51	7	3	4	T2cN0M0	1	23.7	36.2
patient_14	61	6	3	3	T3aN0M0	1	6.2	50.0
patient_15	62	7	3	4	T2cN0M0	2	18.0	23.9
patient_18	49	6	3	3	T2cN0M0	2	5.8	51.0
patient_19	67	7	3	4	T3bN0M0	1	37.0	45.0
patient_20	68	7	3	4	T2cN0M0	2	13.0	33.7
patient_21	59	7	4	3	T2aN0M0	2	5.7	34.7
patient_23	74	7	4	3	T2cN0M0	1	19.0	77.0
patient_24	73	7	4	3	T2aN0M0	2	8.5	125.0
patient_25	70	8	4	4	T2bN0M0	1	4.5	38.0
patient_26	69	7	3	4	cT2aN0M0	2	7.5	42.5
patient_27	72	8	4	4	cT2cN0M0	1	10.5	66.0
patient_28	73	6	3	3	cT2aN0M0	1	9.8	34.0
patient_29	61	6	3	3	cT2bN0M0	2	7.9	37.2
patient_30	62	6	3	3	cT2bN0M0	2	12.0	35.0
patient_31	64	7	4	3	cT2cN0M0	2	8.9	40.0
patient_32	70	6	3	3	cT2cN0M0	2	7.5	33.0
patient_33	74	6	3	3	cT2cN0M0	2	15.0	160.0
patient_34	51	7	4	3	cT2cN0M0	1	27.2	18.0
patient_36	64	6	3	3	cT2aN0M0	3	6.8	41.0

patient_37	60	6	3	3	cT2aN0M0	3	4.8	26.0
patient_38	69	7	3	4	T3bN1M0	1	20.0	36.5
patient_39	65	7	3	4	T2cN0M0	1	26.0	46.8
patient_40	71	7	3	4	T2cN0M0	2	8.6	8.0

Supplementary Table S2. DNA-aptamers sequences

Aptamer	Sequence (5' → 3')	Author's names	Targets	Ref.
Apt1	acgctcggatgccactacaggttggggtcgggcatg cgtccggagaagggcaaacgagagggtca ccagcacgtccatgag	DML-7	highly metastatic PC cells (PC3, DU145)	[1]
Apt2	tgcactacagctgggtcgggttggtgacttcgttcttc gttggtgcttagtggc	Wy-5a	PC3 cells and sections of PC	[2]
Apt3	gaattcgcgttttcgcttttgcgttttgggtcatctgctta cgatagcaatgct	Apt-PSMA	PSMA-positive SEV from urine	[3]
Ap4	catccatgggaattcgtcgaccctgcaggcatgcaa gctttccctatagtgagtcgtattactgcctaggctcga gctcg	PSMA apt-P1	SEVs secreted by LNCap cells	[4]
Apt5	cctgcaggcatgcaagctttccctatagtgagtcgtat ta	B1	PSMA on LNCap cell surface	[5]
Apt6	gcgttttcgcttttgcgttttgggtcatctgcttacgata gcaatgct	PSMA-apt	PSMA on LNCap cell surface	[6]
Apt7	ccctacggcgctaaccatgctacgaattcgttgtaa acaataggccaccgtgctacaa	AMC51	Alpha-methylacyl CoA racemase (AMACR)	[7]
Apt8	ccctacggcgctaaccagctactctagaaccatta tattttgggccaccgtgctacaa	AMC56	Alpha-methylacyl CoA racemase (AMACR)	[7]
CD63	cacccacctcgtcccgtagactaatgcta	-	-	-
CD30	actgggcgaaacaagtctattgactatgag	C2NP	K299 cells	[8]

Apt1 (DML-7) was selected by SELEX as preferably binding highly metastatic PC cells PC-3 and DU145, but not LNCaP or 22Rv1 with low metastatic potency [1]. The Apt2 (Wy-5a) was also selected by SELEX against PC-3 cells and its specificity was confirmed using sections of metastatic PC [2]. The Apt3 was validated to bind PSMA(+) vesicles from urine [3] whereas Apt4 was shown to bind specifically to SEVs secreted by LNCap prostate cancer cells but not SEVs secreted by other types of cancer cells [4]. Apt5 was generated by SELEX against PSMA on the surface of LNCap prostate cancer cells [5]. Apt6 was used within exosome-oriented, aptamer nanoprobe-based profiling (ExoAPP) assay to quantify PSMA on the surface of vesicles secreted by different cancer cells including LNCap [6]. Apt7 and Apt8 were selected by SELEX for binding of Alpha-methylacyl CoA racemase (AMACR), also known as P504S [9], that has been proven to be highly expressed in prostate cancer cells. All sequences were retrieved from original publications and synthesized.

Supplementary Table S3. List of miRNA assayed in pc-SEVs

miRNA	ALMIR cat #	Reference
Hsa-mir-16-5p	AL16-5p	[10–12]
Hsa-mir-20a-5p	AL20a-5p	[13–15]
Hsa-mir-21-5p	AL21–5p	[11,13,16–18]
Hsa-mir-26b-5p	AL26b-5p	[19]
Hsa-mir-93-5p	AL93-5p	[14,20]
Hsa-mir-106b-5p	AL106b-5p	[21,22]
Hsa-mir-125b-5p	AL125b-5p	[10,16,23,24]
Hsa-mir-141-3p	AL141-3p	[16,18,21,23]
Hsa-mir-200b-3p	AL200b-3p	[13,21,24]
Hsa-mir-205-5p	AL205–5p	[10,24,25]
Hsa-mir-375-3p	AL375-3p	[10,14,16,18,23,24]
Hsa-mir-451a-5p	AL451a-5p	[11,26]

Supplementary Table S4. List of averaged Ct.

	Hsa-mir-16-5p	Hsa-mir-20a-5p	Hsa-mir-21-5p	Hsa-mir-26b-5p	Hsa-mir-93-5p	Hsa-mir-106b-5p	Hsa-mir-125b-5p	Hsa-mir-141-3p	Hsa-mir-200b-3p	Hsa-mir-205-5p	Hsa-mir-375-3p	Hsa-mir-451a-5p
patient 1	29.96	29.03	25.04	30.75	28.50	27.25	22.46	29.21	34.66	25.10	28.89	27.67
patient 2	30.29	28.27	25.69	29.37	28.75	28.13	22.11	28.93	39.56	25.12	29.44	26.17
patient 3	34.75	33.91	24.80	30.03	28.05	21.89	21.27	31.46	24.60	31.81	26.58	22.10
patient 4	27.46	29.12	24.97	30.13	27.29	27.56	23.21	29.87	35.45	27.51	29.83	24.02
patient 5	34.90	30.93	30.34	32.29	31.13	37.98	31.18	31.94	32.20	26.28	33.83	30.43
patient 6	29.94	30.56	29.24	32.15	29.96	33.12	30.87	31.61	32.34	26.22	31.58	26.18
patient 7	33.65	30.35	29.08	31.54	30.61	37.16	29.93	31.31	31.40	26.51	31.00	26.01
patient 8	28.30	29.85	28.01	31.84	29.13	36.11	31.38	32.24	33.22	26.26	32.64	24.94
patient 9	28.49	31.71	26.96	30.31	28.28	33.05	29.29	29.83	30.28	25.28	33.35	25.36
patient 10	27.86	28.93	25.49	30.15	26.88	33.84	27.69	29.75	30.19	28.56	33.20	24.57
patient 11	28.91	31.05	26.17	30.05	27.86	34.65	27.91	29.97	30.07	25.37	37.59	25.00
patient 12	28.17	30.84	25.27	30.36	27.01	34.04	30.35	30.38	30.46	25.68	33.58	24.15
patient 13	29.16	29.26	26.91	32.73	29.07	31.72	29.57	30.51	30.13	30.93	31.33	26.19
patient 14	30.22	30.70	27.59	35.17	30.06	31.03	29.11	30.12	30.28	30.39	34.52	27.46
patient 15	29.26	28.96	27.21	33.28	28.81	32.21	22.65	30.34	29.74	30.97	34.00	26.98
patient 18	29.21	29.15	26.81	33.57	28.44	32.84	25.80	29.91	30.10	31.20	32.69	25.44
patient 19	29.05	29.43	26.81	30.13	28.59	34.14	26.73	30.38	29.63	25.29	29.93	27.15
patient 20	31.01	30.02	29.18	30.66	30.60	32.79	29.72	30.94	31.01	25.83	33.70	27.23
patient 21	30.03	29.36	27.26	32.62	28.00	32.66	26.94	29.14	29.86	30.51	31.47	26.92
patient 23	28.39	33.38	28.43	31.49	29.08	32.41	29.45	31.25	30.63	25.69	34.50	27.06
patient 24	28.28	29.91	27.37	31.53	27.00	30.51	27.84	28.07	29.31	29.92	30.11	28.19
patient 25	30.67	29.58	27.72	30.77	28.49	31.14	29.90	30.83	30.18	25.78	34.53	24.48
patient 26	24.77	28.08	24.00	30.42	25.41	29.14	27.50	26.75	30.31	28.76	29.80	21.43
patient 27	30.16	35.08	27.58	32.12	27.81	31.61	27.16	28.77	29.52	30.31	30.50	26.51
patient 28	31.02	29.76	27.27	30.70	28.49	34.38	27.94	30.13	30.65	25.39	28.83	27.40
patient 29	28.65	30.10	26.36	31.51	29.40	32.01	29.80	30.60	33.53	25.83	28.76	25.85
patient 30	27.81	29.90	28.20	32.07	29.14	32.23	29.81	30.30	33.02	25.75	30.12	25.96
patient 31	26.52	29.60	26.44	32.11	28.44	31.10	29.97	29.85	32.67	26.32	31.01	23.29
patient 32	28.24	30.75	27.27	33.25	29.01	31.90	26.70	30.41	30.13	30.58	33.79	25.19
patient 33	29.05	30.79	27.63	33.30	29.36	32.00	26.35	30.04	30.39	30.83	34.32	25.38
patient 34	31.25	30.87	29.40	32.53	30.75	34.69	30.87	30.78	33.25	26.42	35.46	31.11
patient 36	30.16	31.04	29.43	30.95	30.36	33.18	30.63	30.58	32.42	26.30	27.16	28.01
patient 37	29.52	30.37	26.64	33.21	28.26	35.91	25.87	28.05	29.50	29.78	30.06	27.38
patient 38	26.79	29.28	25.39	30.91	28.00	31.12	30.46	30.60	31.94	26.40	31.77	24.13
patient 39	27.27	29.74	26.53	31.22	28.73	31.92	29.96	30.68	31.96	26.61	26.63	28.07
patient 40	28.45	30.80	27.72	31.00	30.04	32.54	30.39	29.86	31.97	26.25	31.95	27.61
donor 1	30.26	32.16	28.27	34.71	30.67	35.90	38.62	40.64	32.62	30.78	30.21	26.28
donor 2	30.16	31.87	27.45	33.81	29.01	34.71	37.29	35.90	31.96	30.94	31.17	26.55
donor 3	29.77	31.19	27.70	32.67	29.54	34.11	35.07	39.12	31.60	30.19	29.21	25.35
donor 4	30.18	31.70	27.58	32.99	29.50	32.70	38.20	40.81	31.86	31.03	30.03	26.25
donor 5	26.76	29.08	26.23	31.40	27.88	31.47	27.88	29.35	31.38	30.29	27.33	23.46
donor 6	26.66	28.40	25.32	29.57	28.09	26.83	26.73	29.70	28.90	30.14	27.96	24.73
donor 7	27.51	28.56	26.03	30.84	28.23	30.86	26.78	29.36	30.23	30.08	28.99	24.26
donor 8	34.26	29.86	26.63	31.82	28.32	36.77	27.83	29.48	31.13	30.28	28.92	26.03

	Hsa-mir-16-5p	Hsa-mir-20a-5p	Hsa-mir-21-5p	Hsa-mir-26b-5p	Hsa-mir-93-5p	Hsa-mir-106b-5p	Hsa-mir-125b-5p	Hsa-mir-141-3p	Hsa-mir-200b-3p	Hsa-mir-205-5p	Hsa-mir-375-3p	Hsa-mir-451a-5p
donor_9	29.10	32.64	27.03	33.92	31.01	37.57	29.25	30.13	32.28	31.05	30.03	26.78
donor_10	30.21	31.77	27.15	34.58	30.45	36.77	26.88	28.70	30.68	28.95	32.39	27.53
donor_11	29.74	31.91	27.93	34.23	29.82	37.13	28.07	28.60	31.40	29.87	28.65	26.69
donor_12	28.96	31.69	27.13	32.22	29.83	18.43	27.39	26.00	32.40	30.08	31.25	26.03
donor_13	28.21	29.76	25.53	33.95	26.45	31.98	28.39	29.71	28.35	27.81	26.51	25.52
donor_14	33.42	30.03	25.35	33.17	26.12	28.13	28.09	29.15	27.38	27.77	28.85	26.57
donor_15	28.39	29.45	25.92	31.52	26.58	27.81	27.10	28.46	27.69	27.06	26.18	30.10
donor_16	28.68	29.64	25.43	31.81	26.41	27.97	28.12	28.69	27.82	27.66	25.86	25.13
donor_17	28.90	29.00	25.98	30.54	25.31	26.61	28.06	28.36	27.11	27.64	27.57	27.27
donor_18	28.76	30.31	25.44	30.60	25.86	25.64	27.26	28.52	27.02	27.12	26.29	26.04

Supplementary Table S5. The amp-Ratio for each possible pair of miRNAs.

	mir16/mir20a	mir16/mir21	mir16/mir26b	mir16/mir93	mir16/mir106b	mir16/mir125b	mir16/mir141	mir16/mir200b	mir16/mir205	mir16/mir375	mir16/mir451a
patient 1	1.90	30.33	0.58	2.74	6.56	181.21	1.68	0.04	29.00	2.10	4.88
patient 2	4.06	24.35	1.89	2.91	4.48	290.39	2.57	0.00	36.18	1.81	17.44
patient 3	1.79	988.25	26.29	104.16	7435.39	11377.37	9.78	1134.84	7.68	288.08	6436.74
patient 4	0.32	5.64	0.16	1.12	0.93	19.12	0.19	0.00	0.97	0.19	10.85
patient 5	15.60	23.59	6.11	13.61	0.12	13.19	7.76	6.47	393.53	2.09	22.19
patient 6	0.65	1.63	0.22	0.99	0.11	0.53	0.32	0.19	13.25	0.32	13.55
patient 7	9.85	23.63	4.32	8.19	0.09	13.16	5.04	4.74	140.30	6.25	198.50
patient 8	0.34	1.22	0.09	0.56	0.00	0.12	0.07	0.03	4.13	0.05	10.26
patient 9	0.11	2.88	0.28	1.16	0.04	0.57	0.39	0.29	9.22	0.03	8.77
patient 10	0.48	5.20	0.20	1.98	0.02	1.13	0.27	0.20	0.62	0.02	9.82
patient 11	0.23	6.68	0.45	2.06	0.02	2.00	0.48	0.45	11.61	0.00	14.95
patient 12	0.16	7.46	0.22	2.24	0.02	0.22	0.22	0.20	5.63	0.02	16.30
patient 13	0.93	4.76	0.08	1.06	0.17	0.75	0.39	0.51	0.29	0.22	7.82
patient 14	0.72	6.21	0.03	1.12	0.57	2.17	1.08	0.96	0.89	0.05	6.79
patient 15	1.23	4.13	0.06	1.37	0.13	97.39	0.47	0.72	0.31	0.04	4.84
patient 18	1.04	5.28	0.05	1.71	0.08	10.67	0.62	0.54	0.25	0.09	13.64
patient 19	0.77	4.73	0.47	1.38	0.03	4.98	0.40	0.67	13.54	0.54	3.72
patient 20	1.98	3.56	1.28	1.33	0.29	2.45	1.05	1.00	36.18	0.16	13.74
patient 21	1.59	6.82	0.17	4.09	0.16	8.54	1.86	1.12	0.72	0.37	8.62
patient 23	0.03	0.98	0.12	0.62	0.06	0.48	0.14	0.21	6.52	0.01	2.52
patient 24	0.32	1.87	0.10	2.43	0.21	1.36	1.16	0.49	0.32	0.28	1.06
patient 25	2.13	7.70	0.93	4.52	0.72	1.70	0.90	1.40	29.55	0.07	72.96
patient 26	0.10	1.71	0.02	0.64	0.05	0.15	0.25	0.02	0.06	0.03	10.14
patient 27	0.03	5.98	0.26	5.10	0.37	7.98	2.63	1.55	0.90	0.79	12.51
patient 28	2.41	13.50	1.25	5.78	0.10	8.47	1.86	1.29	49.58	4.59	12.33
patient 29	0.37	4.90	0.14	0.59	0.10	0.45	0.26	0.03	7.06	0.93	6.95
patient 30	0.24	0.76	0.05	0.40	0.05	0.25	0.18	0.03	4.15	0.20	3.60
patient 31	0.12	1.06	0.02	0.26	0.04	0.09	0.10	0.01	1.14	0.04	9.33
patient 32	0.18	1.96	0.03	0.59	0.08	2.91	0.22	0.27	0.20	0.02	8.31
patient 33	0.30	2.67	0.05	0.81	0.13	6.52	0.50	0.40	0.29	0.03	12.75
patient 34	1.30	3.60	0.41	1.41	0.09	1.29	1.38	0.25	28.40	0.05	1.10
patient 36	0.54	1.67	0.58	0.87	0.12	0.72	0.75	0.21	14.53	8.04	4.46
patient 37	0.56	7.38	0.08	2.39	0.01	12.57	2.77	1.01	0.84	0.69	4.42
patient 38	0.18	2.64	0.06	0.43	0.05	0.08	0.07	0.03	1.31	0.03	6.36
patient 39	0.18	1.68	0.06	0.36	0.04	0.16	0.09	0.04	1.58	1.56	0.58
patient 40	0.20	1.66	0.17	0.33	0.06	0.26	0.38	0.09	4.58	0.09	1.79

	mir20a/mir16	mir20a/mir21	mir20a/mir26b	mir20a/mir93	mir20a/mir106b	mir20a/mir125b	mir20a/mir141	mir20a/mir200b	mir20a/mir205	mir20a/mir375	mir20a/mir451a
patient 1	0.53	15.98	0.30	1.45	3.45	95.49	0.88	0.02	15.28	1.11	2.57
patient 2	0.25	6.00	0.47	0.72	1.10	71.60	0.63	0.00	8.92	0.45	4.30
patient 3	0.56	553.49	14.73	58.34	4164.33	6372.11	5.48	635.59	4.30	161.34	3605.02
patient 4	3.16	17.82	0.50	3.55	2.94	60.40	0.60	0.01	3.06	0.61	34.29
patient 5	0.06	1.51	0.39	0.87	0.01	0.85	0.50	0.41	25.23	0.13	1.42
patient 6	1.53	2.50	0.33	1.52	0.17	0.81	0.48	0.29	20.34	0.49	20.79
patient 7	0.10	2.40	0.44	0.83	0.01	1.34	0.51	0.48	14.25	0.63	20.16
patient 8	2.92	3.58	0.25	1.64	0.01	0.35	0.19	0.10	12.07	0.14	30.00
patient 9	9.35	26.90	2.64	10.81	0.40	5.35	3.68	2.70	86.22	0.32	81.99
patient 10	2.10	10.92	0.43	4.16	0.03	2.37	0.57	0.42	1.30	0.05	20.64
patient 11	4.42	29.53	2.00	9.12	0.08	8.84	2.12	1.97	51.31	0.01	66.09
patient 12	6.34	47.27	1.39	14.22	0.11	1.40	1.37	1.30	35.69	0.15	103.29
patient 13	1.07	5.10	0.09	1.14	0.18	0.80	0.42	0.55	0.31	0.24	8.38
patient 14	1.39	8.61	0.05	1.55	0.79	3.01	1.49	1.34	1.23	0.07	9.41
patient 15	0.81	3.37	0.05	1.12	0.11	79.30	0.38	0.58	0.25	0.03	3.94
patient 18	0.96	5.05	0.05	1.64	0.08	10.22	0.59	0.52	0.24	0.09	13.07
patient 19	1.31	6.17	0.62	1.80	0.04	6.50	0.52	0.87	17.67	0.71	4.86
patient 20	0.50	1.79	0.64	0.67	0.15	1.24	0.53	0.50	18.24	0.08	6.93
patient 21	0.63	4.29	0.10	2.58	0.10	5.38	1.17	0.71	0.45	0.23	5.43
patient 23	31.72	30.97	3.70	19.71	1.96	15.24	4.38	6.73	206.85	0.46	80.00
patient 24	3.10	5.82	0.33	7.53	0.66	4.21	3.59	1.51	1.00	0.87	3.31
patient 25	0.47	3.62	0.44	2.12	0.34	0.80	0.42	0.66	13.88	0.03	34.28
patient 26	9.90	16.90	0.20	6.35	0.48	1.50	2.51	0.21	0.62	0.30	100.39
patient 27	30.24	180.80	7.79	154.14	11.07	241.36	79.49	47.00	27.32	23.94	378.36
patient 28	0.42	5.61	0.52	2.40	0.04	3.52	0.77	0.54	20.61	1.91	5.13
patient 29	2.72	13.34	0.37	1.62	0.27	1.23	0.70	0.09	19.24	2.52	18.92
patient 30	4.25	3.23	0.22	1.69	0.20	1.06	0.75	0.11	17.65	0.85	15.30
patient 31	8.46	8.94	0.18	2.23	0.35	0.77	0.84	0.12	9.67	0.38	78.99
patient 32	5.71	11.21	0.18	3.35	0.45	16.59	1.27	1.54	1.13	0.12	47.42
patient 33	3.33	8.90	0.18	2.68	0.43	21.72	1.68	1.32	0.97	0.09	42.46
patient 34	0.77	2.77	0.32	1.09	0.07	1.00	1.06	0.19	21.89	0.04	0.85
patient 36	1.84	3.07	1.07	1.61	0.23	1.33	1.38	0.38	26.73	14.80	8.21
patient 37	1.80	13.27	0.14	4.30	0.02	22.61	4.99	1.83	1.50	1.24	7.95
patient 38	5.60	14.80	0.32	2.42	0.28	0.44	0.40	0.16	7.34	0.18	35.61
patient 39	5.54	9.30	0.36	2.02	0.22	0.86	0.52	0.22	8.78	8.62	3.20
patient 40	5.12	8.49	0.87	1.69	0.30	1.33	1.93	0.45	23.46	0.45	9.17

	mir21/mir16	mir21/mir20a	mir21/mir26b	mir21/mir93	mir21/mir106b	mir21/mir125b	mir21/mir141	mir21/mir200b	mir21/mir205	mir21/mir375	mir21/mir451a
patient 1	0.03	0.06	0.02	0.09	0.22	5.98	0.06	0.00	0.96	0.07	0.16
patient 2	0.04	0.17	0.08	0.12	0.18	11.93	0.11	0.00	1.49	0.07	0.72
patient 3	0.00	0.00	0.03	0.11	7.52	11.51	0.01	1.15	0.01	0.29	6.51
patient 4	0.18	0.06	0.03	0.20	0.17	3.39	0.03	0.00	0.17	0.03	1.92
patient 5	0.04	0.66	0.26	0.58	0.01	0.56	0.33	0.27	16.68	0.09	0.94
patient 6	0.61	0.40	0.13	0.61	0.07	0.32	0.19	0.12	8.15	0.20	8.33
patient 7	0.04	0.42	0.18	0.35	0.00	0.56	0.21	0.20	5.94	0.26	8.40
patient 8	0.82	0.28	0.07	0.46	0.00	0.10	0.05	0.03	3.37	0.04	8.38
patient 9	0.35	0.04	0.10	0.40	0.01	0.20	0.14	0.10	3.20	0.01	3.05
patient 10	0.19	0.09	0.04	0.38	0.00	0.22	0.05	0.04	0.12	0.00	1.89
patient 11	0.15	0.03	0.07	0.31	0.00	0.30	0.07	0.07	1.74	0.00	2.24
patient 12	0.13	0.02	0.03	0.30	0.00	0.03	0.03	0.03	0.76	0.00	2.19
patient 13	0.21	0.20	0.02	0.22	0.04	0.16	0.08	0.11	0.06	0.05	1.64
patient 14	0.16	0.12	0.01	0.18	0.09	0.35	0.17	0.16	0.14	0.01	1.09
patient 15	0.24	0.30	0.01	0.33	0.03	23.56	0.11	0.17	0.07	0.01	1.17
patient 18	0.19	0.20	0.01	0.32	0.02	2.02	0.12	0.10	0.05	0.02	2.59
patient 19	0.21	0.16	0.10	0.29	0.01	1.05	0.08	0.14	2.86	0.11	0.79
patient 20	0.28	0.56	0.36	0.37	0.08	0.69	0.29	0.28	10.18	0.04	3.87
patient 21	0.15	0.23	0.02	0.60	0.02	1.25	0.27	0.16	0.11	0.05	1.26
patient 23	1.02	0.03	0.12	0.64	0.06	0.49	0.14	0.22	6.68	0.01	2.58
patient 24	0.53	0.17	0.06	1.29	0.11	0.72	0.62	0.26	0.17	0.15	0.57
patient 25	0.13	0.28	0.12	0.59	0.09	0.22	0.12	0.18	3.84	0.01	9.47
patient 26	0.59	0.06	0.01	0.38	0.03	0.09	0.15	0.01	0.04	0.02	5.94
patient 27	0.17	0.01	0.04	0.85	0.06	1.33	0.44	0.26	0.15	0.13	2.09
patient 28	0.07	0.18	0.09	0.43	0.01	0.63	0.14	0.10	3.67	0.34	0.91
patient 29	0.20	0.07	0.03	0.12	0.02	0.09	0.05	0.01	1.44	0.19	1.42
patient 30	1.31	0.31	0.07	0.52	0.06	0.33	0.23	0.04	5.46	0.26	4.73
patient 31	0.95	0.11	0.02	0.25	0.04	0.09	0.09	0.01	1.08	0.04	8.83
patient 32	0.51	0.09	0.02	0.30	0.04	1.48	0.11	0.14	0.10	0.01	4.23
patient 33	0.37	0.11	0.02	0.30	0.05	2.44	0.19	0.15	0.11	0.01	4.77
patient 34	0.28	0.36	0.11	0.39	0.03	0.36	0.38	0.07	7.89	0.01	0.31
patient 36	0.60	0.33	0.35	0.52	0.07	0.43	0.45	0.13	8.72	4.83	2.68
patient 37	0.14	0.08	0.01	0.32	0.00	1.70	0.38	0.14	0.11	0.09	0.60
patient 38	0.38	0.07	0.02	0.16	0.02	0.03	0.03	0.01	0.50	0.01	2.41
patient 39	0.60	0.11	0.04	0.22	0.02	0.09	0.06	0.02	0.94	0.93	0.34
patient 40	0.60	0.12	0.10	0.20	0.04	0.16	0.23	0.05	2.76	0.05	1.08

	mir26b/mir16	mir26b/mir20a	mir26b/mir21	mir26b/mir93	mir26b/mir106b	mir26b/mir125b	mir26b/mir141	mir26b/mir200b	mir26b/mir205	mir26b/mir375	mir26b/mir451a
patient 1	1.73	3.28	52.43	4.74	11.33	313.26	2.90	0.07	50.13	3.63	8.44
patient 2	0.53	2.14	12.86	1.54	2.36	153.36	1.35	0.00	19.11	0.96	9.21
patient 3	0.04	0.07	37.58	3.96	282.77	432.68	0.37	43.16	0.29	10.96	244.79
patient 4	6.34	2.01	35.79	7.13	5.91	121.26	1.20	0.02	6.15	1.23	68.85
patient 5	0.16	2.55	3.86	2.23	0.02	2.16	1.27	1.06	64.40	0.34	3.63
patient 6	4.62	3.01	7.51	4.57	0.51	2.43	1.46	0.88	61.19	1.49	62.56
patient 7	0.23	2.28	5.48	1.90	0.02	3.05	1.17	1.10	32.51	1.45	46.00
patient 8	11.58	3.96	14.18	6.51	0.05	1.37	0.76	0.38	47.81	0.57	118.81
patient 9	3.54	0.38	10.20	4.10	0.15	2.03	1.39	1.02	32.68	0.12	31.08
patient 10	4.88	2.32	25.37	9.67	0.08	5.51	1.32	0.97	3.01	0.12	47.93
patient 11	2.21	0.50	14.79	4.57	0.04	4.43	1.06	0.99	25.70	0.01	33.11
patient 12	4.56	0.72	34.03	10.24	0.08	1.01	0.99	0.93	25.70	0.11	74.36
patient 13	11.93	11.12	56.73	12.70	2.01	8.95	4.65	6.07	3.47	2.65	93.22
patient 14	30.79	22.21	191.17	34.43	17.62	66.78	33.15	29.70	27.42	1.56	209.07
patient 15	16.23	19.93	67.08	22.24	2.10	1580.38	7.66	11.66	4.95	0.61	78.62
patient 18	20.46	21.36	107.95	34.97	1.65	218.29	12.60	11.09	5.17	1.84	279.20
patient 19	2.11	1.62	9.98	2.90	0.06	10.50	0.84	1.41	28.56	1.15	7.85
patient 20	0.78	1.55	2.78	1.04	0.23	1.92	0.82	0.78	28.30	0.12	10.75
patient 21	6.03	9.57	41.08	24.65	0.98	51.45	11.19	6.78	4.33	2.22	51.93
patient 23	8.57	0.27	8.37	5.32	0.53	4.12	1.18	1.82	55.87	0.12	21.61
patient 24	9.55	3.08	17.91	23.18	2.03	12.95	11.04	4.65	3.06	2.69	10.17
patient 25	1.08	2.29	8.30	4.87	0.78	1.83	0.96	1.51	31.83	0.07	78.59
patient 26	50.03	5.05	85.39	32.07	2.43	7.56	12.68	1.08	3.15	1.53	507.28
patient 27	3.88	0.13	23.22	19.80	1.42	31.00	10.21	6.04	3.51	3.08	48.60
patient 28	0.80	1.93	10.80	4.63	0.08	6.78	1.49	1.03	39.68	3.68	9.87
patient 29	7.28	2.67	35.62	4.32	0.71	3.28	1.88	0.25	51.38	6.74	50.55
patient 30	19.16	4.51	14.59	7.62	0.89	4.78	3.40	0.52	79.58	3.86	68.98
patient 31	48.30	5.71	51.03	12.72	2.01	4.40	4.79	0.68	55.16	2.14	450.78
patient 32	32.11	5.63	63.06	18.83	2.53	93.39	7.14	8.68	6.36	0.68	266.88
patient 33	19.01	5.71	50.83	15.31	2.47	124.00	9.56	7.55	5.53	0.49	242.36
patient 34	2.43	3.16	8.76	3.43	0.22	3.15	3.36	0.61	69.08	0.13	2.68
patient 36	1.73	0.94	2.88	1.51	0.21	1.25	1.29	0.36	25.09	13.89	7.71
patient 37	12.91	7.18	95.26	30.86	0.15	162.33	35.80	13.10	10.79	8.87	57.09
patient 38	17.34	3.10	45.84	7.50	0.86	1.37	1.24	0.49	22.74	0.55	110.27
patient 39	15.48	2.79	25.98	5.64	0.62	2.40	1.45	0.60	24.53	24.09	8.94
patient 40	5.87	1.15	9.73	1.94	0.34	1.53	2.21	0.51	26.88	0.52	10.51

	mir93/mir16	mir93/mir20a	mir93/mir21	mir93/mir26b	mir93/mir106b	mir93/mir125b	mir93/mir141	mir93/mir200b	mir93/mir205	mir93/mir375	mir93/mir451a
patient 1	0.36	0.69	11.05	0.21	2.39	66.05	0.61	0.01	10.57	0.77	1.78
patient 2	0.34	1.39	8.37	0.65	1.54	99.82	0.88	0.00	12.44	0.62	6.00
patient 3	0.01	0.02	9.49	0.25	71.39	109.23	0.09	10.90	0.07	2.77	61.80
patient 4	0.89	0.28	5.02	0.14	0.83	17.01	0.17	0.00	0.86	0.17	9.66
patient 5	0.07	1.15	1.73	0.45	0.01	0.97	0.57	0.48	28.91	0.15	1.63
patient 6	1.01	0.66	1.64	0.22	0.11	0.53	0.32	0.19	13.39	0.33	13.69
patient 7	0.12	1.20	2.88	0.53	0.01	1.61	0.61	0.58	17.12	0.76	24.23
patient 8	1.78	0.61	2.18	0.15	0.01	0.21	0.12	0.06	7.34	0.09	18.25
patient 9	0.86	0.09	2.49	0.24	0.04	0.50	0.34	0.25	7.97	0.03	7.58
patient 10	0.50	0.24	2.62	0.10	0.01	0.57	0.14	0.10	0.31	0.01	4.96
patient 11	0.48	0.11	3.24	0.22	0.01	0.97	0.23	0.22	5.62	0.00	7.25
patient 12	0.45	0.07	3.32	0.10	0.01	0.10	0.10	0.09	2.51	0.01	7.26
patient 13	0.94	0.88	4.47	0.08	0.16	0.71	0.37	0.48	0.27	0.21	7.34
patient 14	0.89	0.65	5.55	0.03	0.51	1.94	0.96	0.86	0.80	0.05	6.07
patient 15	0.73	0.90	3.02	0.04	0.09	71.07	0.34	0.52	0.22	0.03	3.54
patient 18	0.59	0.61	3.09	0.03	0.05	6.24	0.36	0.32	0.15	0.05	7.98
patient 19	0.73	0.56	3.44	0.34	0.02	3.62	0.29	0.49	9.84	0.39	2.71
patient 20	0.75	1.49	2.67	0.96	0.22	1.84	0.79	0.75	27.21	0.12	10.33
patient 21	0.24	0.39	1.67	0.04	0.04	2.09	0.45	0.27	0.18	0.09	2.11
patient 23	1.61	0.05	1.57	0.19	0.10	0.77	0.22	0.34	10.49	0.02	4.06
patient 24	0.41	0.13	0.77	0.04	0.09	0.56	0.48	0.20	0.13	0.12	0.44
patient 25	0.22	0.47	1.70	0.21	0.16	0.38	0.20	0.31	6.54	0.02	16.14
patient 26	1.56	0.16	2.66	0.03	0.08	0.24	0.40	0.03	0.10	0.05	15.82
patient 27	0.20	0.01	1.17	0.05	0.07	1.57	0.52	0.30	0.18	0.16	2.45
patient 28	0.17	0.42	2.33	0.22	0.02	1.46	0.32	0.22	8.57	0.79	2.13
patient 29	1.68	0.62	8.24	0.23	0.16	0.76	0.44	0.06	11.89	1.56	11.70
patient 30	2.52	0.59	1.92	0.13	0.12	0.63	0.45	0.07	10.45	0.51	9.06
patient 31	3.80	0.45	4.01	0.08	0.16	0.35	0.38	0.05	4.34	0.17	35.45
patient 32	1.71	0.30	3.35	0.05	0.13	4.96	0.38	0.46	0.34	0.04	14.18
patient 33	1.24	0.37	3.32	0.07	0.16	8.10	0.62	0.49	0.36	0.03	15.83
patient 34	0.71	0.92	2.55	0.29	0.07	0.92	0.98	0.18	20.16	0.04	0.78
patient 36	1.14	0.62	1.91	0.66	0.14	0.83	0.86	0.24	16.61	9.20	5.10
patient 37	0.42	0.23	3.09	0.03	0.01	5.26	1.16	0.42	0.35	0.29	1.85
patient 38	2.31	0.41	6.11	0.13	0.11	0.18	0.17	0.07	3.03	0.07	14.71
patient 39	2.75	0.50	4.61	0.18	0.11	0.43	0.26	0.11	4.35	4.27	1.59
patient 40	3.02	0.59	5.01	0.52	0.18	0.79	1.14	0.26	13.85	0.27	5.42

	mir106b/mir16	mir106b/mir20a	mir106b/mir21	mir106b/mir26b	mir106b/mir93	mir106b/mir125b	mir106b/mir141	mir106b/mir200b	mir106b/mir205	mir106b/mir375	mir106b/mir451a
patient 1	0.15	0.29	4.63	0.09	0.42	27.64	0.26	0.01	4.42	0.32	0.74
patient 2	0.22	0.91	5.44	0.42	0.65	64.86	0.57	0.00	8.08	0.40	3.90
patient 3	0.00	0.00	0.13	0.00	0.01	1.53	0.00	0.15	0.00	0.04	0.87
patient 4	1.07	0.34	6.05	0.17	1.21	20.51	0.20	0.00	1.04	0.21	11.65
patient 5	8.46	131.92	199.52	51.67	115.11	111.52	65.60	54.72	3327.72	17.67	187.62
patient 6	9.02	5.88	14.67	1.95	8.93	4.74	2.84	1.72	119.53	2.90	122.21
patient 7	11.43	112.59	270.21	49.34	93.68	150.41	57.60	54.23	1604.08	71.47	2269.49
patient 8	224.06	76.62	274.30	19.35	125.98	26.56	14.65	7.43	924.87	11.07	2298.57
patient 9	23.62	2.53	67.97	6.67	27.32	13.53	9.29	6.81	217.84	0.81	207.16
patient 10	63.08	30.03	327.92	12.93	125.04	71.22	17.06	12.56	38.89	1.56	619.63
patient 11	53.67	12.14	358.61	24.24	110.76	107.36	25.74	23.94	623.00	0.13	802.51
patient 12	58.28	9.20	434.77	12.77	130.81	12.86	12.61	11.93	328.29	1.37	949.98
patient 13	5.93	5.53	28.22	0.50	6.32	4.45	2.31	3.02	1.73	1.32	46.38
patient 14	1.75	1.26	10.85	0.06	1.95	3.79	1.88	1.69	1.56	0.09	11.86
patient 15	7.74	9.50	31.99	0.48	10.60	753.64	3.65	5.56	2.36	0.29	37.49
patient 18	12.38	12.92	65.31	0.60	21.16	132.06	7.62	6.71	3.13	1.11	168.91
patient 19	33.97	26.03	160.68	16.10	46.74	169.12	13.49	22.67	460.02	18.46	126.47
patient 20	3.43	6.80	12.18	4.38	4.56	8.40	3.59	3.42	123.98	0.53	47.09
patient 21	6.17	9.80	42.08	1.02	25.25	52.69	11.46	6.94	4.44	2.27	53.19
patient 23	16.20	0.51	15.82	1.89	10.07	7.79	2.24	3.44	105.67	0.23	40.87
patient 24	4.71	1.52	8.83	0.49	11.43	6.39	5.44	2.29	1.51	1.32	5.02
patient 25	1.39	2.95	10.69	1.29	6.27	2.36	1.24	1.94	41.02	0.10	101.29
patient 26	20.59	2.08	35.14	0.41	13.20	3.11	5.22	0.44	1.30	0.63	208.77
patient 27	2.73	0.09	16.33	0.70	13.92	21.80	7.18	4.25	2.47	2.16	34.18
patient 28	10.25	24.66	138.33	12.81	59.28	86.84	19.06	13.25	508.18	47.09	126.44
patient 29	10.26	3.77	50.22	1.41	6.09	4.62	2.65	0.35	72.44	9.50	71.26
patient 30	21.42	5.04	16.30	1.12	8.51	5.34	3.80	0.58	88.93	4.31	77.08
patient 31	24.07	2.84	25.43	0.50	6.34	2.19	2.39	0.34	27.49	1.07	224.62
patient 32	12.67	2.22	24.89	0.39	7.43	36.86	2.82	3.43	2.51	0.27	105.34
patient 33	7.69	2.31	20.57	0.40	6.20	50.18	3.87	3.05	2.24	0.20	98.07
patient 34	10.90	14.14	39.25	4.48	15.36	14.12	15.06	2.72	309.66	0.59	12.03
patient 36	8.07	4.39	13.45	4.67	7.06	5.84	6.04	1.69	117.27	64.92	36.02
patient 37	83.51	46.44	616.20	6.47	199.60	1050.08	231.59	84.76	69.82	57.39	369.33
patient 38	20.11	3.59	53.16	1.16	8.70	1.59	1.44	0.57	26.37	0.64	127.88
patient 39	25.02	4.51	41.98	1.62	9.11	3.88	2.35	0.97	39.63	38.92	14.44
patient 40	17.01	3.32	28.21	2.90	5.63	4.43	6.40	1.48	77.95	1.50	30.47

	mir125b/mir16	mir125b/mir20a	mir125b/mir21	mir125b/mir26b	mir125b/mir93	mir125b/mir106b	mir125b/mir141	mir125b/mir200b	mir125b/mir205	mir125b/mir375	mir125b/mir451a
patient 1	0.01	0.01	0.17	0.00	0.02	0.04	0.01	0.00	0.16	0.01	0.03
patient 2	0.00	0.01	0.08	0.01	0.01	0.02	0.01	0.00	0.12	0.01	0.06
patient 3	0.00	0.00	0.09	0.00	0.01	0.65	0.00	0.10	0.00	0.03	0.57
patient 4	0.05	0.02	0.30	0.01	0.06	0.05	0.01	0.00	0.05	0.01	0.57
patient 5	0.08	1.18	1.79	0.46	1.03	0.01	0.59	0.49	29.84	0.16	1.68
patient 6	1.90	1.24	3.10	0.41	1.88	0.21	0.60	0.36	25.22	0.61	25.78
patient 7	0.08	0.75	1.80	0.33	0.62	0.01	0.38	0.36	10.66	0.48	15.09
patient 8	8.44	2.88	10.33	0.73	4.74	0.04	0.55	0.28	34.82	0.42	86.54
patient 9	1.75	0.19	5.02	0.49	2.02	0.07	0.69	0.50	16.10	0.06	15.31
patient 10	0.89	0.42	4.60	0.18	1.76	0.01	0.24	0.18	0.55	0.02	8.70
patient 11	0.50	0.11	3.34	0.23	1.03	0.01	0.24	0.22	5.80	0.00	7.48
patient 12	4.53	0.72	33.81	0.99	10.17	0.08	0.98	0.93	25.53	0.11	73.88
patient 13	1.33	1.24	6.34	0.11	1.42	0.22	0.52	0.68	0.39	0.30	10.41
patient 14	0.46	0.33	2.86	0.01	0.52	0.26	0.50	0.44	0.41	0.02	3.13
patient 15	0.01	0.01	0.04	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.05
patient 18	0.09	0.10	0.49	0.00	0.16	0.01	0.06	0.05	0.02	0.01	1.28
patient 19	0.20	0.15	0.95	0.10	0.28	0.01	0.08	0.13	2.72	0.11	0.75
patient 20	0.41	0.81	1.45	0.52	0.54	0.12	0.43	0.41	14.76	0.06	5.61
patient 21	0.12	0.19	0.80	0.02	0.48	0.02	0.22	0.13	0.08	0.04	1.01
patient 23	2.08	0.07	2.03	0.24	1.29	0.13	0.29	0.44	13.57	0.03	5.25
patient 24	0.74	0.24	1.38	0.08	1.79	0.16	0.85	0.36	0.24	0.21	0.79
patient 25	0.59	1.25	4.54	0.55	2.66	0.42	0.53	0.82	17.40	0.04	42.97
patient 26	6.62	0.67	11.30	0.13	4.24	0.32	1.68	0.14	0.42	0.20	67.13
patient 27	0.13	0.00	0.75	0.03	0.64	0.05	0.33	0.19	0.11	0.10	1.57
patient 28	0.12	0.28	1.59	0.15	0.68	0.01	0.22	0.15	5.85	0.54	1.46
patient 29	2.22	0.81	10.87	0.31	1.32	0.22	0.57	0.08	15.67	2.06	15.42
patient 30	4.01	0.94	3.05	0.21	1.59	0.19	0.71	0.11	16.66	0.81	14.44
patient 31	10.99	1.30	11.61	0.23	2.89	0.46	1.09	0.15	12.55	0.49	102.56
patient 32	0.34	0.06	0.68	0.01	0.20	0.03	0.08	0.09	0.07	0.01	2.86
patient 33	0.15	0.05	0.41	0.01	0.12	0.02	0.08	0.06	0.04	0.00	1.95
patient 34	0.77	1.00	2.78	0.32	1.09	0.07	1.07	0.19	21.93	0.04	0.85
patient 36	1.38	0.75	2.30	0.80	1.21	0.17	1.03	0.29	20.07	11.11	6.16
patient 37	0.08	0.04	0.59	0.01	0.19	0.00	0.22	0.08	0.07	0.05	0.35
patient 38	12.67	2.26	33.49	0.73	5.48	0.63	0.91	0.36	16.61	0.40	80.57
patient 39	6.44	1.16	10.81	0.42	2.34	0.26	0.61	0.25	10.20	10.02	3.72
patient 40	3.84	0.75	6.37	0.65	1.27	0.23	1.45	0.33	17.60	0.34	6.88

	mir141/mir16	mir141/mir20a	mir141/mir21	mir141/mir26b	mir141/mir93	mir141/mir106b	mir141/mir125b	mir141/mir200b	mir141/mir205	mir141/mir375	mir141/mir451a
patient 1	0.60	1.13	18.08	0.34	1.64	3.91	108.02	0.02	17.29	1.25	2.91
patient 2	0.39	1.58	9.49	0.74	1.13	1.75	113.21	0.00	14.10	0.71	6.80
patient 3	0.10	0.18	101.01	2.69	10.65	759.97	1162.87	115.99	0.78	29.44	657.90
patient 4	5.29	1.67	29.85	0.83	5.95	4.93	101.15	0.02	5.13	1.02	57.43
patient 5	0.13	2.01	3.04	0.79	1.75	0.02	1.70	0.83	50.73	0.27	2.86
patient 6	3.17	2.07	5.16	0.69	3.14	0.35	1.67	0.60	42.03	1.02	42.97
patient 7	0.20	1.95	4.69	0.86	1.63	0.02	2.61	0.94	27.85	1.24	39.40
patient 8	15.30	5.23	18.73	1.32	8.60	0.07	1.81	0.51	63.15	0.76	156.95
patient 9	2.54	0.27	7.32	0.72	2.94	0.11	1.46	0.73	23.46	0.09	22.31
patient 10	3.70	1.76	19.22	0.76	7.33	0.06	4.17	0.74	2.28	0.09	36.32
patient 11	2.08	0.47	13.93	0.94	4.30	0.04	4.17	0.93	24.20	0.01	31.17
patient 12	4.62	0.73	34.47	1.01	10.37	0.08	1.02	0.95	26.03	0.11	75.32
patient 13	2.56	2.39	12.20	0.22	2.73	0.43	1.93	1.31	0.75	0.57	20.05
patient 14	0.93	0.67	5.77	0.03	1.04	0.53	2.01	0.90	0.83	0.05	6.31
patient 15	2.12	2.60	8.76	0.13	2.90	0.27	206.36	1.52	0.65	0.08	10.27
patient 18	1.62	1.70	8.57	0.08	2.78	0.13	17.32	0.88	0.41	0.15	22.16
patient 19	2.52	1.93	11.91	1.19	3.46	0.07	12.53	1.68	34.10	1.37	9.37
patient 20	0.95	1.89	3.39	1.22	1.27	0.28	2.34	0.95	34.54	0.15	13.12
patient 21	0.54	0.86	3.67	0.09	2.20	0.09	4.60	0.61	0.39	0.20	4.64
patient 23	7.24	0.23	7.07	0.84	4.50	0.45	3.48	1.54	47.19	0.10	18.25
patient 24	0.87	0.28	1.62	0.09	2.10	0.18	1.17	0.42	0.28	0.24	0.92
patient 25	1.12	2.38	8.60	1.04	5.05	0.80	1.90	1.56	33.00	0.08	81.48
patient 26	3.95	0.40	6.73	0.08	2.53	0.19	0.60	0.09	0.25	0.12	40.01
patient 27	0.38	0.01	2.27	0.10	1.94	0.14	3.04	0.59	0.34	0.30	4.76
patient 28	0.54	1.29	7.26	0.67	3.11	0.05	4.56	0.70	26.66	2.47	6.63
patient 29	3.87	1.42	18.93	0.53	2.30	0.38	1.74	0.13	27.31	3.58	26.86
patient 30	5.64	1.33	4.29	0.29	2.24	0.26	1.41	0.15	23.43	1.13	20.31
patient 31	10.08	1.19	10.65	0.21	2.65	0.42	0.92	0.14	11.51	0.45	94.10
patient 32	4.50	0.79	8.83	0.14	2.64	0.35	13.08	1.22	0.89	0.10	37.39
patient 33	1.99	0.60	5.31	0.10	1.60	0.26	12.96	0.79	0.58	0.05	25.34
patient 34	0.72	0.94	2.61	0.30	1.02	0.07	0.94	0.18	20.56	0.04	0.80
patient 36	1.34	0.73	2.22	0.77	1.17	0.17	0.97	0.28	19.40	10.74	5.96
patient 37	0.36	0.20	2.66	0.03	0.86	0.00	4.53	0.37	0.30	0.25	1.59
patient 38	13.96	2.49	36.91	0.81	6.04	0.69	1.10	0.39	18.31	0.44	88.80
patient 39	10.64	1.92	17.86	0.69	3.87	0.43	1.65	0.41	16.86	16.56	6.14
patient 40	2.66	0.52	4.41	0.45	0.88	0.16	0.69	0.23	12.17	0.23	4.76

	mir200b/mir16	mir200b/mir20a	mir200b/mir21	mir200b/mir26b	mir200b/mir93	mir200b/mir106b	mir200b/mir125b	mir200b/mir141	mir200b/mir205	mir200b/mir375
patient 1	25.99	49.33	788.28	15.04	71.31	170.40	4710.14	43.60	753.81	54.56
patient 2	617.31	2503.62	15029.98	1168.89	1795.74	2763.59	179257.03	1583.47	22334.28	1117.49
patient 3	0.00	0.00	0.87	0.02	0.09	6.55	10.03	0.01	0.01	0.25
patient 4	254.20	80.46	1434.04	40.07	285.73	236.90	4859.44	48.04	246.29	49.24
patient 5	0.15	2.41	3.65	0.94	2.10	0.02	2.04	1.20	60.81	0.32
patient 6	5.25	3.42	8.54	1.14	5.20	0.58	2.76	1.66	69.59	1.69
patient 7	0.21	2.08	4.98	0.91	1.73	0.02	2.77	1.06	29.58	1.32
patient 8	30.14	10.31	36.90	2.60	16.95	0.13	3.57	1.97	124.40	1.49
patient 9	3.47	0.37	9.98	0.98	4.01	0.15	1.99	1.36	31.97	0.12
patient 10	5.02	2.39	26.11	1.03	9.95	0.08	5.67	1.36	3.10	0.12
patient 11	2.24	0.51	14.98	1.01	4.63	0.04	4.48	1.08	26.02	0.01
patient 12	4.89	0.77	36.45	1.07	10.97	0.08	1.08	1.06	27.52	0.11
patient 13	1.96	1.83	9.34	0.16	2.09	0.33	1.47	0.77	0.57	0.44
patient 14	1.04	0.75	6.44	0.03	1.16	0.59	2.25	1.12	0.92	0.05
patient 15	1.39	1.71	5.75	0.09	1.91	0.18	135.57	0.66	0.42	0.05
patient 18	1.85	1.93	9.73	0.09	3.15	0.15	19.68	1.14	0.47	0.17
patient 19	1.50	1.15	7.09	0.71	2.06	0.04	7.46	0.60	20.29	0.81
patient 20	1.00	1.99	3.56	1.28	1.33	0.29	2.45	1.05	36.21	0.16
patient 21	0.89	1.41	6.06	0.15	3.64	0.14	7.59	1.65	0.64	0.33
patient 23	4.71	0.15	4.60	0.55	2.93	0.29	2.26	0.65	30.73	0.07
patient 24	2.05	0.66	3.85	0.21	4.98	0.44	2.78	2.37	0.66	0.58
patient 25	0.72	1.52	5.51	0.66	3.23	0.52	1.22	0.64	21.15	0.05
patient 26	46.40	4.69	79.20	0.93	29.75	2.25	7.01	11.76	2.92	1.42
patient 27	0.64	0.02	3.85	0.17	3.28	0.24	5.13	1.69	0.58	0.51
patient 28	0.77	1.86	10.44	0.97	4.47	0.08	6.55	1.44	38.35	3.55
patient 29	29.42	10.80	144.03	4.04	17.47	2.87	13.25	7.61	207.75	27.24
patient 30	36.96	8.70	28.13	1.93	14.69	1.73	9.21	6.55	153.46	7.44
patient 31	71.07	8.40	75.08	1.47	18.71	2.95	6.47	7.05	81.16	3.15
patient 32	3.70	0.65	7.26	0.12	2.17	0.29	10.76	0.82	0.73	0.08
patient 33	2.52	0.76	6.73	0.13	2.03	0.33	16.43	1.27	0.73	0.07
patient 34	4.01	5.21	14.45	1.65	5.66	0.37	5.20	5.54	114.00	0.22
patient 36	4.78	2.60	7.96	2.77	4.18	0.59	3.46	3.58	69.45	38.44
patient 37	0.99	0.55	7.27	0.08	2.36	0.01	12.39	2.73	0.82	0.68
patient 38	35.43	6.33	93.67	2.04	15.32	1.76	2.80	2.54	46.46	1.12
patient 39	25.73	4.64	43.18	1.66	9.37	1.03	4.00	2.42	40.76	40.03
patient 40	11.48	2.24	19.03	1.96	3.80	0.67	2.99	4.32	52.60	1.01

	mir205/mir16	mir205/mir20a	mir205/mir21	mir205/mir26b	mir205/mir93	mir205/mir106b	mir205/mir125b	mir205/mir141	mir205/mir200b	mir205/mir375	mir205/mir451a
patient 1	0.03	0.07	1.05	0.02	0.09	0.23	6.25	0.06	0.00	0.07	0.17
patient 2	0.03	0.11	0.67	0.05	0.08	0.12	8.03	0.07	0.00	0.05	0.48
patient 3	0.13	0.23	128.74	3.43	13.57	968.63	1482.16	1.27	147.84	37.53	838.53
patient 4	1.03	0.33	5.82	0.16	1.16	0.96	19.73	0.20	0.00	0.20	11.20
patient 5	0.00	0.04	0.06	0.02	0.03	0.00	0.03	0.02	0.02	0.01	0.06
patient 6	0.08	0.05	0.12	0.02	0.07	0.01	0.04	0.02	0.01	0.02	1.02
patient 7	0.01	0.07	0.17	0.03	0.06	0.00	0.09	0.04	0.03	0.04	1.41
patient 8	0.24	0.08	0.30	0.02	0.14	0.00	0.03	0.02	0.01	0.01	2.49
patient 9	0.11	0.01	0.31	0.03	0.13	0.00	0.06	0.04	0.03	0.00	0.95
patient 10	1.62	0.77	8.43	0.33	3.22	0.03	1.83	0.44	0.32	0.04	15.93
patient 11	0.09	0.02	0.58	0.04	0.18	0.00	0.17	0.04	0.04	0.00	1.29
patient 12	0.18	0.03	1.32	0.04	0.40	0.00	0.04	0.04	0.04	0.00	2.89
patient 13	3.43	3.20	16.33	0.29	3.65	0.58	2.58	1.34	1.75	0.76	26.83
patient 14	1.12	0.81	6.97	0.04	1.26	0.64	2.44	1.21	1.08	0.06	7.63
patient 15	3.28	4.03	13.55	0.20	4.49	0.42	319.27	1.55	2.36	0.12	15.88
patient 18	3.96	4.13	20.87	0.19	6.76	0.32	42.21	2.44	2.14	0.36	53.98
patient 19	0.07	0.06	0.35	0.04	0.10	0.00	0.37	0.03	0.05	0.04	0.27
patient 20	0.03	0.05	0.10	0.04	0.04	0.01	0.07	0.03	0.03	0.00	0.38
patient 21	1.39	2.21	9.49	0.23	5.69	0.23	11.88	2.58	1.56	0.51	11.99
patient 23	0.15	0.00	0.15	0.02	0.10	0.01	0.07	0.02	0.03	0.00	0.39
patient 24	3.12	1.00	5.84	0.33	7.56	0.66	4.23	3.60	1.52	0.88	3.32
patient 25	0.03	0.07	0.26	0.03	0.15	0.02	0.06	0.03	0.05	0.00	2.47
patient 26	15.88	1.60	27.11	0.32	10.18	0.77	2.40	4.03	0.34	0.49	161.07
patient 27	1.11	0.04	6.62	0.28	5.64	0.41	8.84	2.91	1.72	0.88	13.85
patient 28	0.02	0.05	0.27	0.03	0.12	0.00	0.17	0.04	0.03	0.09	0.25
patient 29	0.14	0.05	0.69	0.02	0.08	0.01	0.06	0.04	0.00	0.13	0.98
patient 30	0.24	0.06	0.18	0.01	0.10	0.01	0.06	0.04	0.01	0.05	0.87
patient 31	0.88	0.10	0.93	0.02	0.23	0.04	0.08	0.09	0.01	0.04	8.17
patient 32	5.05	0.88	9.91	0.16	2.96	0.40	14.68	1.12	1.36	0.11	41.95
patient 33	3.43	1.03	9.18	0.18	2.77	0.45	22.41	1.73	1.36	0.09	43.79
patient 34	0.04	0.05	0.13	0.01	0.05	0.00	0.05	0.05	0.01	0.00	0.04
patient 36	0.07	0.04	0.11	0.04	0.06	0.01	0.05	0.05	0.01	0.55	0.31
patient 37	1.20	0.67	8.83	0.09	2.86	0.01	15.04	3.32	1.21	0.82	5.29
patient 38	0.76	0.14	2.02	0.04	0.33	0.04	0.06	0.05	0.02	0.02	4.85
patient 39	0.63	0.11	1.06	0.04	0.23	0.03	0.10	0.06	0.02	0.98	0.36
patient 40	0.22	0.04	0.36	0.04	0.07	0.01	0.06	0.08	0.02	0.02	0.39

	mir375/mir16	mir375/mir20a	mir375/mir21	mir375/mir26b	mir375/mir93	mir375/mir106b	mir375/mir125b	mir375/mir141	mir375/mir200b	mir375/mir205	mir375/mir451a
patient 1	0.48	0.90	14.45	0.28	1.31	3.12	86.32	0.80	0.02	13.82	2.33
patient 2	0.55	2.24	13.45	1.05	1.61	2.47	160.41	1.42	0.00	19.99	9.64
patient 3	0.00	0.01	3.43	0.09	0.36	25.81	39.49	0.03	3.94	0.03	22.34
patient 4	5.16	1.63	29.12	0.81	5.80	4.81	98.69	0.98	0.02	5.00	56.03
patient 5	0.48	7.47	11.29	2.92	6.51	0.06	6.31	3.71	3.10	188.33	10.62
patient 6	3.11	2.02	5.05	0.67	3.07	0.34	1.63	0.98	0.59	41.16	42.09
patient 7	0.16	1.58	3.78	0.69	1.31	0.01	2.10	0.81	0.76	22.44	31.75
patient 8	20.24	6.92	24.77	1.75	11.38	0.09	2.40	1.32	0.67	83.53	207.61
patient 9	29.00	3.10	83.47	8.19	33.54	1.23	16.61	11.40	8.37	267.51	254.39
patient 10	40.35	19.20	209.74	8.27	79.97	0.64	45.55	10.91	8.03	24.87	396.31
patient 11	409.94	92.75	2739.32	185.17	846.06	7.64	820.07	196.65	182.91	4758.96	6130.15
patient 12	42.56	6.72	317.53	9.33	95.54	0.73	9.39	9.21	8.71	239.77	693.81
patient 13	4.50	4.20	21.41	0.38	4.79	0.76	3.38	1.75	2.29	1.31	35.18
patient 14	19.69	14.20	122.23	0.64	22.01	11.27	42.70	21.20	18.99	17.53	133.68
patient 15	26.77	32.88	110.65	1.65	36.68	3.46	2606.94	12.63	19.23	8.17	129.69
patient 18	11.11	11.59	58.59	0.54	18.98	0.90	118.47	6.84	6.02	2.81	151.53
patient 19	1.84	1.41	8.71	0.87	2.53	0.05	9.16	0.73	1.23	24.93	6.85
patient 20	6.45	12.80	22.94	8.25	8.58	1.88	15.81	6.76	6.45	233.43	88.66
patient 21	2.72	4.32	18.53	0.45	11.12	0.44	23.21	5.05	3.06	1.95	23.43
patient 23	68.96	2.17	67.34	8.05	42.86	4.26	33.14	9.53	14.64	449.76	173.94
patient 24	3.56	1.15	6.67	0.37	8.63	0.76	4.82	4.11	1.73	1.14	3.79
patient 25	14.57	31.00	112.19	13.52	65.83	10.49	24.73	13.04	20.35	430.39	1062.74
patient 26	32.67	3.30	55.76	0.65	20.94	1.59	4.93	8.28	0.70	2.06	331.26
patient 27	1.26	0.04	7.55	0.33	6.44	0.46	10.08	3.32	1.96	1.14	15.80
patient 28	0.22	0.52	2.94	0.27	1.26	0.02	1.84	0.40	0.28	10.79	2.69
patient 29	1.08	0.40	5.29	0.15	0.64	0.11	0.49	0.28	0.04	7.63	7.50
patient 30	4.97	1.17	3.78	0.26	1.98	0.23	1.24	0.88	0.13	20.64	17.89
patient 31	22.53	2.66	23.80	0.47	5.93	0.94	2.05	2.23	0.32	25.73	210.28
patient 32	46.98	8.23	92.26	1.46	27.54	3.71	136.64	10.44	12.70	9.31	390.48
patient 33	38.51	11.57	102.99	2.03	31.03	5.01	251.25	19.38	15.29	11.21	491.07
patient 34	18.60	24.13	66.95	7.65	26.20	1.71	24.09	25.69	4.63	528.23	20.51
patient 36	0.12	0.07	0.21	0.07	0.11	0.02	0.09	0.09	0.03	1.81	0.55
patient 37	1.46	0.81	10.74	0.11	3.48	0.02	18.30	4.04	1.48	1.22	6.44
patient 38	31.49	5.62	83.27	1.82	13.62	1.57	2.49	2.26	0.89	41.30	200.31
patient 39	0.64	0.12	1.08	0.04	0.23	0.03	0.10	0.06	0.02	1.02	0.37
patient 40	11.36	2.22	18.83	1.94	3.76	0.67	2.96	4.27	0.99	52.03	20.34

	mir451a/mir16	mir451a/mir20a	mir451a/mir21	mir451a/mir26b	mir451a/mir93	mir451a/mir106b	mir451a/mir125b	mir451a/mir141	mir451a/mir200b	mir451a/mir205	mir451a/mir375
patient 1	0.20	0.39	6.21	0.12	0.56	1.34	37.12	0.34	0.01	5.94	0.43
patient 2	0.06	0.23	1.40	0.11	0.17	0.26	16.65	0.15	0.00	2.07	0.10
patient 3	0.00	0.00	0.15	0.00	0.02	1.16	1.77	0.00	0.18	0.00	0.04
patient 4	0.09	0.03	0.52	0.01	0.10	0.09	1.76	0.02	0.00	0.09	0.02
patient 5	0.05	0.70	1.06	0.28	0.61	0.01	0.59	0.35	0.29	17.74	0.09
patient 6	0.07	0.05	0.12	0.02	0.07	0.01	0.04	0.02	0.01	0.98	0.02
patient 7	0.01	0.05	0.12	0.02	0.04	0.00	0.07	0.03	0.02	0.71	0.03
patient 8	0.10	0.03	0.12	0.01	0.05	0.00	0.01	0.01	0.00	0.40	0.00
patient 9	0.11	0.01	0.33	0.03	0.13	0.00	0.07	0.04	0.03	1.05	0.00
patient 10	0.10	0.05	0.53	0.02	0.20	0.00	0.11	0.03	0.02	0.06	0.00
patient 11	0.07	0.02	0.45	0.03	0.14	0.00	0.13	0.03	0.03	0.78	0.00
patient 12	0.06	0.01	0.46	0.01	0.14	0.00	0.01	0.01	0.01	0.35	0.00
patient 13	0.13	0.12	0.61	0.01	0.14	0.02	0.10	0.05	0.07	0.04	0.03
patient 14	0.15	0.11	0.91	0.00	0.16	0.08	0.32	0.16	0.14	0.13	0.01
patient 15	0.21	0.25	0.85	0.01	0.28	0.03	20.10	0.10	0.15	0.06	0.01
patient 18	0.07	0.08	0.39	0.00	0.13	0.01	0.78	0.05	0.04	0.02	0.01
patient 19	0.27	0.21	1.27	0.13	0.37	0.01	1.34	0.11	0.18	3.64	0.15
patient 20	0.07	0.14	0.26	0.09	0.10	0.02	0.18	0.08	0.07	2.63	0.01
patient 21	0.12	0.18	0.79	0.02	0.47	0.02	0.99	0.22	0.13	0.08	0.04
patient 23	0.40	0.01	0.39	0.05	0.25	0.02	0.19	0.05	0.08	2.59	0.01
patient 24	0.94	0.30	1.76	0.10	2.28	0.20	1.27	1.08	0.46	0.30	0.26
patient 25	0.01	0.03	0.11	0.01	0.06	0.01	0.02	0.01	0.02	0.40	0.00
patient 26	0.10	0.01	0.17	0.00	0.06	0.00	0.01	0.02	0.00	0.01	0.00
patient 27	0.08	0.00	0.48	0.02	0.41	0.03	0.64	0.21	0.12	0.07	0.06
patient 28	0.08	0.20	1.09	0.10	0.47	0.01	0.69	0.15	0.10	4.02	0.37
patient 29	0.14	0.05	0.70	0.02	0.09	0.01	0.06	0.04	0.00	1.02	0.13
patient 30	0.28	0.07	0.21	0.01	0.11	0.01	0.07	0.05	0.01	1.15	0.06
patient 31	0.11	0.01	0.11	0.00	0.03	0.00	0.01	0.01	0.00	0.12	0.00
patient 32	0.12	0.02	0.24	0.00	0.07	0.01	0.35	0.03	0.03	0.02	0.00
patient 33	0.08	0.02	0.21	0.00	0.06	0.01	0.51	0.04	0.03	0.02	0.00
patient 34	0.91	1.18	3.26	0.37	1.28	0.08	1.17	1.25	0.23	25.75	0.05
patient 36	0.22	0.12	0.37	0.13	0.20	0.03	0.16	0.17	0.05	3.26	1.80
patient 37	0.23	0.13	1.67	0.02	0.54	0.00	2.84	0.63	0.23	0.19	0.16
patient 38	0.16	0.03	0.42	0.01	0.07	0.01	0.01	0.01	0.00	0.21	0.00
patient 39	1.73	0.31	2.91	0.11	0.63	0.07	0.27	0.16	0.07	2.74	2.70
patient 40	0.56	0.11	0.93	0.10	0.18	0.03	0.15	0.21	0.05	2.56	0.05

	mir16/mir20a	mir16/mir21	mir16/mir26b	mir16/mir93	mir16/mir106b	mir16/mir125b	mir16/mir141	mir16/mir200b	mir16/mir205	mir16/mir375	mir16/mir451a
donor 1	0.27	3.97	0.05	0.75	0.02	0.00	0.00	0.19	0.70	1.03	15.72
donor 2	0.31	6.56	0.08	2.23	0.04	0.01	0.02	0.29	0.59	0.50	12.20
donor 3	0.37	4.19	0.13	1.17	0.05	0.03	0.00	0.28	0.75	1.47	21.42
donor 4	0.35	6.05	0.14	1.60	0.17	0.00	0.00	0.31	0.55	1.11	15.31
donor 5	0.20	1.44	0.04	0.46	0.04	0.46	0.17	0.04	0.09	0.67	9.81
donor 6	0.30	2.52	0.13	0.37	0.89	0.95	0.12	0.21	0.09	0.41	3.80
donor 7	0.48	2.80	0.10	0.61	0.10	1.66	0.28	0.15	0.17	0.36	9.53
donor 8	21.07	197.80	5.43	61.40	0.18	86.39	27.56	8.73	15.78	40.39	299.52
donor 9	0.09	4.18	0.04	0.27	0.00	0.90	0.49	0.11	0.26	0.52	4.98
donor 10	0.34	8.32	0.05	0.85	0.01	10.03	2.84	0.72	2.39	0.22	6.39
donor 11	0.22	3.51	0.04	0.94	0.01	3.19	2.21	0.32	0.91	2.13	8.30
donor 12	0.15	3.55	0.10	0.55	1485.73	2.97	7.81	0.09	0.46	0.20	7.65
donor 13	0.34	6.42	0.02	3.38	0.07	0.88	0.35	0.91	1.32	3.24	6.45
donor 14	10.50	269.20	1.19	157.66	38.96	40.05	19.23	65.79	50.31	23.76	114.87
donor 15	0.48	5.55	0.11	3.50	1.49	2.44	0.95	1.63	2.50	4.61	0.30
donor 16	0.51	9.48	0.11	4.83	1.63	1.47	0.99	1.81	2.03	7.03	11.69
donor 17	0.94	7.56	0.32	12.08	4.88	1.79	1.46	3.46	2.40	2.51	3.10
donor 18	0.34	9.95	0.28	7.48	8.67	2.82	1.18	3.33	3.12	5.52	6.58
	mir20a/mir16	mir20a/mir21	mir20a/mir26b	mir20a/mir93	mir20a/mir106b	mir20a/mir125b	mir20a/mir141	mir20a/mir200b	mir20a/mir205	mir20a/mir375	mir20a/mir451a
donor 1	3.73	14.80	0.17	2.80	0.07	0.01	0.00	0.72	2.60	3.86	58.58
donor 2	3.26	21.38	0.26	7.26	0.14	0.02	0.06	0.94	1.91	1.63	39.78
donor 3	2.68	11.23	0.36	3.15	0.13	0.07	0.00	0.75	2.01	3.94	57.40
donor 4	2.87	17.35	0.41	4.58	0.50	0.01	0.00	0.90	1.59	3.19	43.88
donor 5	5.00	7.22	0.20	2.30	0.19	2.28	0.83	0.20	0.43	3.36	49.05
donor 6	3.36	8.45	0.45	1.24	2.98	3.19	0.41	0.71	0.30	1.36	12.76
donor 7	2.07	5.79	0.21	1.26	0.20	3.44	0.58	0.31	0.35	0.74	19.74
donor 8	0.05	9.39	0.26	2.91	0.01	4.10	1.31	0.41	0.75	1.92	14.21
donor 9	11.65	48.74	0.41	3.09	0.03	10.49	5.69	1.28	3.00	6.09	58.00
donor 10	2.96	24.60	0.14	2.50	0.03	29.66	8.39	2.13	7.07	0.65	18.89
donor 11	4.51	15.81	0.20	4.26	0.03	14.37	9.97	1.43	4.11	9.62	37.41
donor 12	6.62	23.54	0.69	3.63	9840.03	19.65	51.70	0.61	3.05	1.36	50.70
donor 13	2.92	18.73	0.05	9.87	0.21	2.58	1.03	2.65	3.85	9.46	18.82
donor 14	0.10	25.63	0.11	15.01	3.71	3.81	1.83	6.26	4.79	2.26	10.94
donor 15	2.08	11.56	0.24	7.29	3.11	5.07	1.98	3.39	5.21	9.59	0.63
donor 16	1.95	18.44	0.22	9.39	3.16	2.86	1.93	3.52	3.94	13.69	22.76
donor 17	1.07	8.08	0.34	12.92	5.22	1.91	1.56	3.70	2.57	2.69	3.32
donor 18	2.92	29.11	0.82	21.86	25.35	8.26	3.45	9.75	9.13	16.13	19.25

	mir21/mir16	mir21/mir20a	mir21/mir26b	mir21/mir93	mir21/mir106b	mir21/mir125b	mir21/mir141	mir21/mir200b	mir21/mir205	mir21/mir375	mir21/mir451a
donor 1	0.25	0.07	0.01	0.19	0.01	0.00	0.00	0.05	0.18	0.26	3.96
donor 2	0.15	0.05	0.01	0.34	0.01	0.00	0.00	0.04	0.09	0.08	1.86
donor 3	0.24	0.09	0.03	0.28	0.01	0.01	0.00	0.07	0.18	0.35	5.11
donor 4	0.17	0.06	0.02	0.26	0.03	0.00	0.00	0.05	0.09	0.18	2.53
donor 5	0.69	0.14	0.03	0.32	0.03	0.32	0.11	0.03	0.06	0.47	6.80
donor 6	0.40	0.12	0.05	0.15	0.35	0.38	0.05	0.08	0.04	0.16	1.51
donor 7	0.36	0.17	0.04	0.22	0.04	0.59	0.10	0.05	0.06	0.13	3.41
donor 8	0.01	0.11	0.03	0.31	0.00	0.44	0.14	0.04	0.08	0.20	1.51
donor 9	0.24	0.02	0.01	0.06	0.00	0.22	0.12	0.03	0.06	0.12	1.19
donor 10	0.12	0.04	0.01	0.10	0.00	1.21	0.34	0.09	0.29	0.03	0.77
donor 11	0.29	0.06	0.01	0.27	0.00	0.91	0.63	0.09	0.26	0.61	2.37
donor 12	0.28	0.04	0.03	0.15	417.97	0.83	2.20	0.03	0.13	0.06	2.15
donor 13	0.16	0.05	0.00	0.53	0.01	0.14	0.06	0.14	0.21	0.50	1.00
donor 14	0.00	0.04	0.00	0.59	0.14	0.15	0.07	0.24	0.19	0.09	0.43
donor 15	0.18	0.09	0.02	0.63	0.27	0.44	0.17	0.29	0.45	0.83	0.05
donor 16	0.11	0.05	0.01	0.51	0.17	0.15	0.10	0.19	0.21	0.74	1.23
donor 17	0.13	0.12	0.04	1.60	0.65	0.24	0.19	0.46	0.32	0.33	0.41
donor 18	0.10	0.03	0.03	0.75	0.87	0.28	0.12	0.33	0.31	0.55	0.66
	mir26b/mir16	mir26b/mir20a	mir26b/mir21	mir26b/mir93	mir26b/mir106b	mir26b/mir125b	mir26b/mir141	mir26b/mir200b	mir26b/mir205	mir26b/mir375	mir26b/mir451a
donor 1	21.88	5.87	86.91	16.47	0.44	0.07	0.02	4.25	15.28	22.64	343.91
donor 2	12.51	3.84	82.04	27.86	0.53	0.09	0.24	3.61	7.32	6.24	152.67
donor 3	7.50	2.80	31.42	8.81	0.37	0.19	0.01	2.11	5.61	11.01	160.61
donor 4	7.02	2.45	42.46	11.22	1.22	0.03	0.00	2.19	3.89	7.81	107.39
donor 5	25.07	5.01	36.19	11.52	0.95	11.46	4.15	1.02	2.16	16.86	245.96
donor 6	7.54	2.24	18.98	2.79	6.68	7.17	0.91	1.59	0.67	3.06	28.65
donor 7	10.10	4.87	28.23	6.13	0.99	16.78	2.81	1.53	1.70	3.62	96.22
donor 8	0.18	3.88	36.45	11.31	0.03	15.92	5.08	1.61	2.91	7.44	55.20
donor 9	28.25	2.43	118.24	7.51	0.08	25.44	13.80	3.11	7.28	14.76	140.69
donor 10	20.65	6.98	171.76	17.46	0.22	207.06	58.55	14.86	49.37	4.54	131.87
donor 11	22.50	4.99	78.88	21.25	0.13	71.70	49.73	7.15	20.53	48.00	186.66
donor 12	9.58	1.45	34.04	5.25	14227.37	28.41	74.76	0.88	4.40	1.96	73.30
donor 13	53.56	18.35	343.74	181.16	3.94	47.30	18.99	48.60	70.71	173.56	345.30
donor 14	0.84	8.83	226.24	132.50	32.74	33.66	16.16	55.29	42.28	19.97	96.53
donor 15	8.79	4.22	48.81	30.80	13.12	21.42	8.38	14.30	22.01	40.51	2.68
donor 16	8.77	4.50	83.09	42.30	14.26	12.88	8.68	15.88	17.75	61.66	102.51
donor 17	3.12	2.92	23.60	37.71	15.23	5.58	4.55	10.79	7.51	7.85	9.69
donor 18	3.58	1.23	35.67	26.79	31.06	10.12	4.23	11.94	11.19	19.77	23.58

	mir93/mir16	mir93/mir20a	mir93/mir21	mir93/mir26b	mir93/mir106b	mir93/mir125b	mir93/mir141	mir93/mir200b	mir93/mir205	mir93/mir375	mir93/mir451a
donor 1	1.33	0.36	5.28	0.06	0.03	0.00	0.00	0.26	0.93	1.37	20.89
donor 2	0.45	0.14	2.94	0.04	0.02	0.00	0.01	0.13	0.26	0.22	5.48
donor 3	0.85	0.32	3.57	0.11	0.04	0.02	0.00	0.24	0.64	1.25	18.23
donor 4	0.63	0.22	3.79	0.09	0.11	0.00	0.00	0.20	0.35	0.70	9.57
donor 5	2.18	0.44	3.14	0.09	0.08	0.99	0.36	0.09	0.19	1.46	21.34
donor 6	2.70	0.81	6.81	0.36	2.40	2.57	0.33	0.57	0.24	1.10	10.28
donor 7	1.65	0.80	4.61	0.16	0.16	2.74	0.46	0.25	0.28	0.59	15.71
donor 8	0.02	0.34	3.22	0.09	0.00	1.41	0.45	0.14	0.26	0.66	4.88
donor 9	3.76	0.32	15.75	0.13	0.01	3.39	1.84	0.41	0.97	1.97	18.74
donor 10	1.18	0.40	9.84	0.06	0.01	11.86	3.35	0.85	2.83	0.26	7.56
donor 11	1.06	0.23	3.71	0.05	0.01	3.37	2.34	0.34	0.97	2.26	8.78
donor 12	1.83	0.28	6.49	0.19	2712.34	5.42	14.25	0.17	0.84	0.37	13.97
donor 13	0.30	0.10	1.90	0.01	0.02	0.26	0.10	0.27	0.39	0.96	1.91
donor 14	0.01	0.07	1.71	0.01	0.25	0.25	0.12	0.42	0.32	0.15	0.73
donor 15	0.29	0.14	1.58	0.03	0.43	0.70	0.27	0.46	0.71	1.32	0.09
donor 16	0.21	0.11	1.96	0.02	0.34	0.30	0.21	0.38	0.42	1.46	2.42
donor 17	0.08	0.08	0.63	0.03	0.40	0.15	0.12	0.29	0.20	0.21	0.26
donor 18	0.13	0.05	1.33	0.04	1.16	0.38	0.16	0.45	0.42	0.74	0.88
	mir106b/mir16	mir106b/mir20a	mir106b/mir21	mir106b/mir26b	mir106b/mir93	mir106b/mir125b	mir106b/mir141	mir106b/mir200b	mir106b/mir205	mir106b/mir375	mir106b/mir451a
donor 1	50.04	13.43	198.77	2.29	37.66	0.15	0.04	9.73	34.95	51.77	786.58
donor 2	23.40	7.18	153.43	1.87	52.11	0.17	0.44	6.75	13.70	11.67	285.53
donor 3	20.25	7.56	84.83	2.70	23.79	0.51	0.03	5.69	15.16	29.74	433.70
donor 4	5.74	2.00	34.75	0.82	9.18	0.02	0.00	1.79	3.18	6.39	87.88
donor 5	26.29	5.26	37.94	1.05	12.08	12.02	4.36	1.07	2.27	17.68	257.91
donor 6	1.13	0.34	2.84	0.15	0.42	1.07	0.14	0.24	0.10	0.46	4.29
donor 7	10.20	4.92	28.51	1.01	6.19	16.95	2.83	1.54	1.72	3.66	97.16
donor 8	5.71	120.23	1128.53	30.96	350.30	492.87	157.26	49.82	90.04	230.43	1708.94
donor 9	356.55	30.61	1492.05	12.62	94.74	321.03	174.16	39.28	91.87	186.28	1775.42
donor 10	94.25	31.87	784.12	4.57	79.69	945.29	267.29	67.85	225.38	20.74	602.04
donor 11	167.00	37.04	585.50	7.42	157.74	532.21	369.15	53.05	152.39	356.31	1385.60
donor 12	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01
donor 13	13.60	4.66	87.25	0.25	45.98	12.01	4.82	12.34	17.95	44.05	87.65
donor 14	0.03	0.27	6.91	0.03	4.05	1.03	0.49	1.69	1.29	0.61	2.95
donor 15	0.67	0.32	3.72	0.08	2.35	1.63	0.64	1.09	1.68	3.09	0.20
donor 16	0.61	0.32	5.83	0.07	2.97	0.90	0.61	1.11	1.25	4.33	7.19
donor 17	0.20	0.19	1.55	0.07	2.48	0.37	0.30	0.71	0.49	0.52	0.64
donor 18	0.12	0.04	1.15	0.03	0.86	0.33	0.14	0.38	0.36	0.64	0.76

	mir125b/mir16	mir125b/mir20a	mir125b/mir21	mir125b/mir26b	mir125b/mir93	mir125b/mir106b	mir125b/mir141	mir125b/mir200b	mir125b/mir205	mir125b/mir375	mir125b/mir451a
donor 1	329.24	88.35	1307.94	15.05	247.81	6.58	0.25	64.00	230.00	340.66	5175.76
donor 2	140.21	43.00	919.29	11.21	312.20	5.99	2.63	40.42	82.08	69.91	1710.77
donor 3	39.34	14.68	164.78	5.25	46.20	1.94	0.06	11.05	29.44	57.77	842.40
donor 4	258.73	90.24	1565.72	36.87	413.57	45.06	0.16	80.85	143.52	287.82	3959.88
donor 5	2.19	0.44	3.16	0.09	1.01	0.08	0.36	0.09	0.19	1.47	21.46
donor 6	1.05	0.31	2.65	0.14	0.39	0.93	0.13	0.22	0.09	0.43	3.99
donor 7	0.60	0.29	1.68	0.06	0.36	0.06	0.17	0.09	0.10	0.22	5.73
donor 8	0.01	0.24	2.29	0.06	0.71	0.00	0.32	0.10	0.18	0.47	3.47
donor 9	1.11	0.10	4.65	0.04	0.30	0.00	0.54	0.12	0.29	0.58	5.53
donor 10	0.10	0.03	0.83	0.00	0.08	0.00	0.28	0.07	0.24	0.02	0.64
donor 11	0.31	0.07	1.10	0.01	0.30	0.00	0.69	0.10	0.29	0.67	2.60
donor 12	0.34	0.05	1.20	0.04	0.18	500.82	2.63	0.03	0.16	0.07	2.58
donor 13	1.13	0.39	7.27	0.02	3.83	0.08	0.40	1.03	1.49	3.67	7.30
donor 14	0.02	0.26	6.72	0.03	3.94	0.97	0.48	1.64	1.26	0.59	2.87
donor 15	0.41	0.20	2.28	0.05	1.44	0.61	0.39	0.67	1.03	1.89	0.13
donor 16	0.68	0.35	6.45	0.08	3.28	1.11	0.67	1.23	1.38	4.79	7.96
donor 17	0.56	0.52	4.23	0.18	6.76	2.73	0.82	1.93	1.35	1.41	1.74
donor 18	0.35	0.12	3.53	0.10	2.65	3.07	0.42	1.18	1.11	1.95	2.33
	mir141/mir16	mir141/mir20a	mir141/mir21	mir141/mir26b	mir141/mir93	mir141/mir106b	mir141/mir125b	mir141/mir200b	mir141/mir205	mir141/mir375	mir141/mir451a
donor 1	1331.47	357.30	5289.37	60.86	1002.15	26.61	4.04	258.84	930.12	1377.63	20931.02
donor 2	53.23	16.33	349.03	4.25	118.53	2.27	0.38	15.34	31.16	26.54	649.53
donor 3	651.81	243.18	2730.40	86.91	765.62	32.19	16.57	183.18	487.91	957.20	13958.78
donor 4	1586.58	553.36	9601.25	226.12	2536.11	276.33	6.13	495.76	880.09	1764.95	24282.70
donor 5	6.04	1.21	8.71	0.24	2.77	0.23	2.76	0.24	0.52	4.06	59.22
donor 6	8.26	2.46	20.81	1.10	3.06	7.33	7.86	1.74	0.74	3.35	31.42
donor 7	3.60	1.74	10.06	0.36	2.18	0.35	5.98	0.54	0.61	1.29	34.28
donor 8	0.04	0.76	7.18	0.20	2.23	0.01	3.13	0.32	0.57	1.47	10.87
donor 9	2.05	0.18	8.57	0.07	0.54	0.01	1.84	0.23	0.53	1.07	10.19
donor 10	0.35	0.12	2.93	0.02	0.30	0.00	3.54	0.25	0.84	0.08	2.25
donor 11	0.45	0.10	1.59	0.02	0.43	0.00	1.44	0.14	0.41	0.97	3.75
donor 12	0.13	0.02	0.46	0.01	0.07	190.31	0.38	0.01	0.06	0.03	0.98
donor 13	2.82	0.97	18.10	0.05	9.54	0.21	2.49	2.56	3.72	9.14	18.19
donor 14	0.05	0.55	14.00	0.06	8.20	2.03	2.08	3.42	2.62	1.24	5.97
donor 15	1.05	0.50	5.83	0.12	3.68	1.57	2.56	1.71	2.63	4.84	0.32
donor 16	1.01	0.52	9.57	0.12	4.87	1.64	1.48	1.83	2.04	7.10	11.81
donor 17	0.69	0.64	5.18	0.22	8.28	3.35	1.23	2.37	1.65	1.72	2.13
donor 18	0.85	0.29	8.43	0.24	6.33	7.34	2.39	2.82	2.65	4.67	5.58

	mir200b/mir16	mir200b/mir20a	mir200b/mir21	mir200b/mir26b	mir200b/mir93	mir200b/mir106b	mir200b/mir125b	mir200b/mir141	mir200b/mir205	mir200b/mir375	mir200b/mir451a
donor 1	5.14	1.38	20.44	0.24	3.87	0.10	0.02	0.00	3.59	5.32	80.87
donor 2	3.47	1.06	22.75	0.28	7.72	0.15	0.02	0.07	2.03	1.73	42.33
donor 3	3.56	1.33	14.91	0.47	4.18	0.18	0.09	0.01	2.66	5.23	76.20
donor 4	3.20	1.12	19.37	0.46	5.12	0.56	0.01	0.00	1.78	3.56	48.98
donor 5	24.66	4.93	35.60	0.98	11.34	0.94	11.27	4.09	2.13	16.59	241.97
donor 6	4.74	1.41	11.94	0.63	1.75	4.20	4.51	0.57	0.42	1.93	18.03
donor 7	6.61	3.19	18.49	0.65	4.01	0.65	10.99	1.84	1.11	2.37	63.01
donor 8	0.11	2.41	22.65	0.62	7.03	0.02	9.89	3.16	1.81	4.62	34.30
donor 9	9.08	0.78	37.99	0.32	2.41	0.03	8.17	4.43	2.34	4.74	45.20
donor 10	1.39	0.47	11.56	0.07	1.17	0.01	13.93	3.94	3.32	0.31	8.87
donor 11	3.15	0.70	11.04	0.14	2.97	0.02	10.03	6.96	2.87	6.72	26.12
donor 12	10.82	1.63	38.47	1.13	5.93	16078.91	32.11	84.49	4.98	2.22	82.84
donor 13	1.10	0.38	7.07	0.02	3.73	0.08	0.97	0.39	1.45	3.57	7.10
donor 14	0.02	0.16	4.09	0.02	2.40	0.59	0.61	0.29	0.76	0.36	1.75
donor 15	0.61	0.30	3.41	0.07	2.15	0.92	1.50	0.59	1.54	2.83	0.19
donor 16	0.55	0.28	5.23	0.06	2.66	0.90	0.81	0.55	1.12	3.88	6.46
donor 17	0.29	0.27	2.19	0.09	3.49	1.41	0.52	0.42	0.70	0.73	0.90
donor 18	0.30	0.10	2.99	0.08	2.24	2.60	0.85	0.35	0.94	1.66	1.97
	mir205/mir16	mir205/mir20a	mir205/mir21	mir205/mir26b	mir205/mir93	mir205/mir106b	mir205/mir125b	mir205/mir141	mir205/mir200b	mir205/mir375	mir205/mir451a
donor 1	1.43	0.38	5.69	0.07	1.08	0.03	0.00	0.00	0.28	1.48	22.50
donor 2	1.71	0.52	11.20	0.14	3.80	0.07	0.01	0.03	0.49	0.85	20.84
donor 3	1.34	0.50	5.60	0.18	1.57	0.07	0.03	0.00	0.38	1.96	28.61
donor 4	1.80	0.63	10.91	0.26	2.88	0.31	0.01	0.00	0.56	2.01	27.59
donor 5	11.60	2.32	16.74	0.46	5.33	0.44	5.30	1.92	0.47	7.80	113.77
donor 6	11.19	3.33	28.18	1.48	4.14	9.92	10.65	1.35	2.36	4.54	42.53
donor 7	5.94	2.87	16.61	0.59	3.60	0.58	9.87	1.65	0.90	2.13	56.60
donor 8	0.06	1.34	12.53	0.34	3.89	0.01	5.47	1.75	0.55	2.56	18.98
donor 9	3.88	0.33	16.24	0.14	1.03	0.01	3.49	1.90	0.43	2.03	19.33
donor 10	0.42	0.14	3.48	0.02	0.35	0.00	4.19	1.19	0.30	0.09	2.67
donor 11	1.10	0.24	3.84	0.05	1.04	0.01	3.49	2.42	0.35	2.34	9.09
donor 12	2.17	0.33	7.73	0.23	1.19	3230.72	6.45	16.98	0.20	0.45	16.64
donor 13	0.76	0.26	4.86	0.01	2.56	0.06	0.67	0.27	0.69	2.45	4.88
donor 14	0.02	0.21	5.35	0.02	3.13	0.77	0.80	0.38	1.31	0.47	2.28
donor 15	0.40	0.19	2.22	0.05	1.40	0.60	0.97	0.38	0.65	1.84	0.12
donor 16	0.49	0.25	4.68	0.06	2.38	0.80	0.73	0.49	0.89	3.47	5.77
donor 17	0.42	0.39	3.14	0.13	5.02	2.03	0.74	0.61	1.44	1.04	1.29
donor 18	0.32	0.11	3.19	0.09	2.39	2.78	0.90	0.38	1.07	1.77	2.11

	mir375/mir16	mir375/mir20a	mir375/mir21	mir375/mir26b	mir375/mir93	mir375/mir106b	mir375/mir125b	mir375/mir141	mir375/mir200b	mir375/mir205	mir375/mir451a
donor 1	0.97	0.26	3.84	0.04	0.73	0.02	0.00	0.00	0.19	0.68	15.19
donor 2	2.01	0.62	13.15	0.16	4.47	0.09	0.01	0.04	0.58	1.17	24.47
donor 3	0.68	0.25	2.85	0.09	0.80	0.03	0.02	0.00	0.19	0.51	14.58
donor 4	0.90	0.31	5.44	0.13	1.44	0.16	0.00	0.00	0.28	0.50	13.76
donor 5	1.49	0.30	2.15	0.06	0.68	0.06	0.68	0.25	0.06	0.13	14.59
donor 6	2.46	0.73	6.20	0.33	0.91	2.18	2.34	0.30	0.52	0.22	9.36
donor 7	2.79	1.34	7.79	0.28	1.69	0.27	4.63	0.77	0.42	0.47	26.55
donor 8	0.02	0.52	4.90	0.13	1.52	0.00	2.14	0.68	0.22	0.39	7.42
donor 9	1.91	0.16	8.01	0.07	0.51	0.01	1.72	0.93	0.21	0.49	9.53
donor 10	4.54	1.54	37.81	0.22	3.84	0.05	45.58	12.89	3.27	10.87	29.03
donor 11	0.47	0.10	1.64	0.02	0.44	0.00	1.49	1.04	0.15	0.43	3.89
donor 12	4.88	0.74	17.36	0.51	2.67	7255.02	14.49	38.12	0.45	2.25	37.38
donor 13	0.31	0.11	1.98	0.01	1.04	0.02	0.27	0.11	0.28	0.41	1.99
donor 14	0.04	0.44	11.33	0.05	6.64	1.64	1.69	0.81	2.77	2.12	4.83
donor 15	0.22	0.10	1.20	0.02	0.76	0.32	0.53	0.21	0.35	0.54	0.07
donor 16	0.14	0.07	1.35	0.02	0.69	0.23	0.21	0.14	0.26	0.29	1.66
donor 17	0.40	0.37	3.01	0.13	4.81	1.94	0.71	0.58	1.38	0.96	1.24
donor 18	0.18	0.06	1.80	0.05	1.36	1.57	0.51	0.21	0.60	0.57	1.19
	mir451a/mir16	mir451a/mir20a	mir451a/mir21	mir451a/mir26b	mir451a/mir93	mir451a/mir106b	mir451a/mir125b	mir451a/mir141	mir451a/mir200b	mir451a/mir205	mir451a/mir375
donor 1	0.06	0.02	0.25	0.00	0.05	0.00	0.00	0.00	0.01	0.04	0.07
donor 2	0.08	0.03	0.54	0.01	0.18	0.00	0.00	0.00	0.02	0.05	0.04
donor 3	0.05	0.02	0.20	0.01	0.05	0.00	0.00	0.00	0.01	0.03	0.07
donor 4	0.07	0.02	0.40	0.01	0.10	0.01	0.00	0.00	0.02	0.04	0.07
donor 5	0.10	0.02	0.15	0.00	0.05	0.00	0.05	0.02	0.00	0.01	0.07
donor 6	0.26	0.08	0.66	0.03	0.10	0.23	0.25	0.03	0.06	0.02	0.11
donor 7	0.10	0.05	0.29	0.01	0.06	0.01	0.17	0.03	0.02	0.02	0.04
donor 8	0.00	0.07	0.66	0.02	0.20	0.00	0.29	0.09	0.03	0.05	0.13
donor 9	0.20	0.02	0.84	0.01	0.05	0.00	0.18	0.10	0.02	0.05	0.10
donor 10	0.16	0.05	1.30	0.01	0.13	0.00	1.57	0.44	0.11	0.37	0.03
donor 11	0.12	0.03	0.42	0.01	0.11	0.00	0.38	0.27	0.04	0.11	0.26
donor 12	0.13	0.02	0.46	0.01	0.07	194.10	0.39	1.02	0.01	0.06	0.03
donor 13	0.16	0.05	1.00	0.00	0.52	0.01	0.14	0.05	0.14	0.20	0.50
donor 14	0.01	0.09	2.34	0.01	1.37	0.34	0.35	0.17	0.57	0.44	0.21
donor 15	3.28	1.58	18.23	0.37	11.50	4.90	8.00	3.13	5.34	8.22	15.13
donor 16	0.09	0.04	0.81	0.01	0.41	0.14	0.13	0.08	0.15	0.17	0.60
donor 17	0.32	0.30	2.43	0.10	3.89	1.57	0.58	0.47	1.11	0.77	0.81
donor 18	0.15	0.05	1.51	0.04	1.14	1.32	0.43	0.18	0.51	0.47	0.84

Supplementary Table S6. AUC values for all miRNA pairs (all patients and donors)

	AUC		AUC		AUC
mir205/mir375	0.925	mir20a/mir93	0.696	mir20a/mir451a	0.569
mir26b/mir375	0.911	mir205/mir16	0.696	mir125b/mir16	0.566
mir20a/mir375	0.871	mir205/mir26b	0.692	mir93/mir200b	0.564
mir125b/mir375	0.832	mir106b/mir375	0.687	mir451a/mir200b	0.563
mir21/mir375	0.808	mir141/mir200b	0.678	mir20a/mir141	0.556
mir93/mir375	0.800	mir141/mir106b	0.670	mir20a/mir16	0.556
mir141/mir375	0.794	mir125b/mir21	0.668	mir16/mir106b	0.553
mir16/mir375	0.789	mir125b/mir200b	0.667	mir93/mir21	0.550
mir26b/mir200b	0.775	mir26b/mir106b	0.654	mir93/mir106b	0.528
mir451a/mir375	0.762	mir26b/mir451a	0.651	mir125b/mir141	0.528
mir26b/mir21	0.749	mir125b/mir93	0.637	mir16/mir93	0.526
mir205/mir21	0.743	mir141/mir93	0.630	mir26b/mir125b	0.526
mir26b/mir93	0.743	mir205/mir141	0.623	mir205/mir125b	0.520
mir205/mir20a	0.734	mir26b/mir20a	0.621	mir451a/mir93	0.516
mir200b/mir375	0.734	mir26b/mir16	0.618	mir125b/mir20a	0.513
mir205/mir106b	0.730	mir26b/mir141	0.613	mir451a/mir141	0.510
mir205/mir93	0.728	mir16/mir200b	0.602	mir16/mir451a	0.507
mir205/mir200b	0.725	mir16/mir21	0.601	mir141/mir16	0.504
mir20a/mir200b	0.721	mir141/mir21	0.601	mir451a/mir106b	0.503
mir20a/mir21	0.715	mir451a/mir21	0.599	mir200b/mir21	0.503
mir205/mir451a	0.705	mir20a/mir106b	0.573	mir200b/mir106b	0.501
mir125b/mir106b	0.700	mir125b/mir451a	0.572	mir21/mir106b	0.500

Supplementary Table S7. Prognostic potency of amp-Ratio values of miRNA pairs

	Gleason score AUC		
	Gl-6 vs HD	Gl-7 vs HD	Gl-8/9 vs HD
Mir-205/mir-20a	0.625	0.739	0.935
Mir-26b/mir-21	0.644	0.761	0.917
Mir-26b/mir-93	0.699	0.736	0.852
Mir-451a/mir-375	0.699	0.778	0.833
	PSA level AUC		
	PSA<12 vs HD	PSA>12 vs HD	
Mir-205/mi-r375	0.889	0.971	
Mir-20a/mir-375	0.817	0.938	
Mir-26b/mir-375	0.894	0.931	
Mir-21/mir-375	0.762	0.866	
	Prostate volume AUC		
	V<50 vs HD	V>50 vs HD	
Mir-26b/mir-375	0.891	0.936	
Mir-125b/mir-375	0.783	0.927	
Mir-21/mir-375	0.79	0.833	
Mir-141/mir-375	0.785	0.821	

List of references

1. Duan. M.; Long. Y.; Yang. C.; Wu. X.; Sun. Y.; Li. J.; Hu. X.; Lin. W.; Han. D.; Zhao. Y.; et al. Selection and characterization of DNA aptamer for metastatic prostate cancer recognition and tissue imaging. *Oncotarget* **2016**. 7. doi:10.18632/oncotarget.9262.
2. Wang. Y.; Luo. Y.; Bing. T.; Chen. Z.; Lu. M.; Zhang. N.; Shangguan. D.; Gao. X. DNA aptamer evolved by cell-SELEX for recognition of prostate cancer. *PLoS One* **2014**. 9. doi:10.1371/journal.pone.0100243.
3. Li. P.; Yu. X.; Han. W.; Kong. Y.; Bao. W.; Zhang. J.; Zhang. W.; Gu. Y. Ultrasensitive and Reversible Nanoplatfrom of Urinary Exosomes for Prostate Cancer Diagnosis. *ACS Sensors* **2019**. 4. 1433–1441. doi:10.1021/acssensors.9b00621.
4. Li. B.; Liu. C.; Pan. W.; Shen. J.; Guo. J.; Luo. T.; Feng. J.; Situ. B.; An. T.; Zhang. Y.; et al. Facile fluorescent aptasensor using aggregation-induced emission luminogens for exosomal proteins profiling towards liquid biopsy. *Biosens. Bioelectron.* **2020**. 168. doi:10.1016/j.bios.2020.112520.
5. Almasi. F.; Gargari. S.L.M.; Bitaraf. F.; Rasoulinejad. S. Development of a single stranded DNA aptamer as a molecular probe for LNCap cells using cell-SELEX. *Avicenna J. Med. Biotechnol.* **2016**. 8.
6. Jin. D.; Yang. F.; Zhang. Y.; Liu. L.; Zhou. Y.; Wang. F.; Zhang. G.J. ExoAPP: Exosome-Oriented. Aptamer Nanoprobe-Enabled Surface Proteins Profiling and Detection. *Anal. Chem.* **2018**. 90. doi:10.1021/acs.analchem.8b03959.
7. Yang. D.K.; Chen. L.C.; Lee. M.Y.; Hsu. C.H.; Chen. C.S. Selection of aptamers for fluorescent detection of alpha-methylacyl-CoA racemase by single-bead SELEX. *Biosens. Bioelectron.* **2014**. 62. doi:10.1016/j.bios.2014.06.027.
8. Parekh. P.; Kamble. S.; Zhao. N.; Zeng. Z.; Portier. B.P.; Zu. Y. Immunotherapy of CD30-expressing lymphoma using a highly stable ssDNA aptamer. *Biomaterials* **2013**. 34. doi:10.1016/j.biomaterials.2013.07.099.
9. Jiang. Z.; Woda. B.A.; Rock. K.L.; Xu. Y.; Savas. L.; Khan. A.; Pihan. G.; Cai. F.; Babcook. J.S.; Rathanaswami. P.; et al. P504S: a new molecular marker for the detection of prostate carcinoma. *Am. J. Surg. Pathol.* **2001**. 25. 1397–1404. doi:10.1097/00000478-200111000-00007.
10. Cannistraci. A.; Di Pace. A.L.; De Maria. R.; Bonci. D. MicroRNA as New Tools for Prostate Cancer Risk Assessment and Therapeutic Intervention: Results from Clinical Data Set and Patients' Samples. *Biomed Res. Int.* **2014**. 2014.
11. Shin. S.; Park. Y.H.; Jung. S.H.; Jang. S.H.; Kim. M.Y.; Lee. J.Y.; Chung. Y. –J Urinary exosome microRNA signatures as a noninvasive prognostic biomarker for prostate cancer. *npj Genomic Med.* **2021**. 6. doi:10.1038/s41525-021-00212-w.
12. Borkowetz. A.; Lohse-Fischer. A.; Scholze. J.; Lotzkat. U.; Thomas. C.; Wirth. M.P.; Fuessel. S.; Erdmann. K. Evaluation of micrnas as non-invasive diagnostic markers in urinary cells from patients with suspected prostate cancer. *Diagnostics* **2020**. 10. doi:10.3390/diagnostics10080578.
13. Lin. H.M.; Castillo. L.; Mahon. K.L.; Chiam. K.; Lee. B.Y.; Nguyen. Q.; Boyer. M.J.; Stockler. M.R.; Pavlakis. N.; Marx. G.; et al. Circulating microRNAs are associated with docetaxel chemotherapy outcome in castration-resistant prostate cancer. *Br. J. Cancer* **2014**. 110. doi:10.1038/bjc.2014.181.
14. Fredsøe. J.; Rasmussen. A.K.I.; Mouritzen. P.; Bjerre. M.T.; Østergren. P.; Fode. M.; Borre. M.; Sørensen. K.D. Profiling of circulating microRNAs in prostate cancer reveals diagnostic biomarker potential. *Diagnostics* **2020**. 10. doi:10.3390/diagnostics10040188.
15. Stoen. M.J.; Andersen. S.; Rakaee. M.; Pedersen. M.I.; Ingebriksen. L.M.; Donnem. T.; Lombardi. A.P.G.; Kilvaer. T.K.; Busund. L.T.R.; Richardsen. E. Overexpression of mir-20a-5p in tumor epithelium is an independent negative prognostic indicator in prostate cancer—a multi-institutional study. *Cancers (Basel)*. **2021**. 13. doi:10.3390/cancers13164096.
16. Vanacore. D.; Boccellino. M.; Rossetti. S.; Cavaliere. C.; D'Aniello. C.; Di Franco. R.; Romano. F.J.; Montanari. M.; La Mantia. E.; Piscitelli. R.; et al. Micrnas in prostate cancer: An overview. *Oncotarget* **2017**. 8.
17. Bolayırılı. I.M.; Önal. B.; Adıgüzel. M.; Konukoğlu. D.; Demirdağ. Ç.; Kurtuluş. E.M.; Türegün. F.A.; Uzun. H. THE CLINICAL SIGNIFICANCE OF CIRCULATING miR-21. miR-142. miR-143. AND miR-146A IN PATIENTS WITH PROSTATE CANCER. *J. Med. Biochem.* **2022**. 41. doi:10.5937/jomb0-32046.
18. Porzycki. P.; Ciszakowicz. E.; Semik. M.; Tyrka. M. Combination of three miRNA (miR-141. miR-21. and miR-375) as potential diagnostic tool for prostate cancer recognition. *Int. Urol. Nephrol.* **2018**. 50. doi:10.1007/s11255-018-1938-2.
19. Cochetti. G.; Poli. G.; Guelfi. G.; Boni. A.; Egidi. M.G.; Mearini. E. Different levels of serum

- microRNAs in prostate cancer and benign prostatic hyperplasia: Evaluation of potential diagnostic and prognostic role. *Onco. Targets. Ther.* **2016**. 9. doi:10.2147/OTT.S119027.
20. Zhang. S.; Liu. C.; Zou. X.; Geng. X.; Zhou. X.; Fan. X.C.; Zhu. D.; Zhang. H.; Zhu. W. MicroRNA panel in serum reveals novel diagnostic biomarkers for prostate cancer. *PeerJ* 2021. 9.
 21. Jin. W.; Fei. X.; Wang. X.; Chen. F.; Song. Y. Circulating miRNAs as Biomarkers for Prostate Cancer Diagnosis in Subjects with Benign Prostatic Hyperplasia. *J. Immunol. Res.* **2020**. 2020. doi:10.1155/2020/5873056.
 22. Yin. W.; Chen. J.; Wang. G.; Zhang. D. MicroRNA-106b functions as an oncogene and regulates tumor viability and metastasis by targeting LARP4B in prostate cancer. *Mol. Med. Rep.* **2019**. 20. doi:10.3892/mmr.2019.10343.
 23. Mitchell. P.S.; Parkin. R.K.; Kroh. E.M.; Fritz. B.R.; Wyman. S.K.; Pogosova-Agadjanyan. E.L.; Peterson. A.; Noteboom. J.; O'Briant. K.C.; Allen. A.; et al. Circulating microRNAs as stable blood-based markers for cancer detection. *Proc. Natl. Acad. Sci. U. S. A.* **2008**. 105. doi:10.1073/pnas.0804549105.
 24. Konoshenko. M.Y.; Lekchnov. E.A.; Bryzgunova. O.E.; Zaporozhchenko. I.A.; Yarmoschuk. S. V.; Pashkovskaya. O.A.; Pak. S. V.; Laktionov. P.P. The panel of 12 cell-free microRNAs as potential biomarkers in prostate neoplasms. *Diagnostics* **2020**. 10. doi:10.3390/diagnostics10010038.
 25. Labbé. M.; Hoey. C.; Ray. J.; Potiron. V.; Supiot. S.; Liu. S.K.; Fradin. D. MicroRNAs identified in prostate cancer: Correlative studies on response to ionizing radiation. *Mol. Cancer* 2020. 19.
 26. Fan. B.; Jin. X.; Ding. Q.; Cao. C.; Shi. Y.; Zhu. H.; Zhou. W. Expression of mir-451a in prostate cancer and its effect on prognosis. *Iran. J. Public Health* **2021**. 50. doi:10.18502/ijph.v50i4.6002.