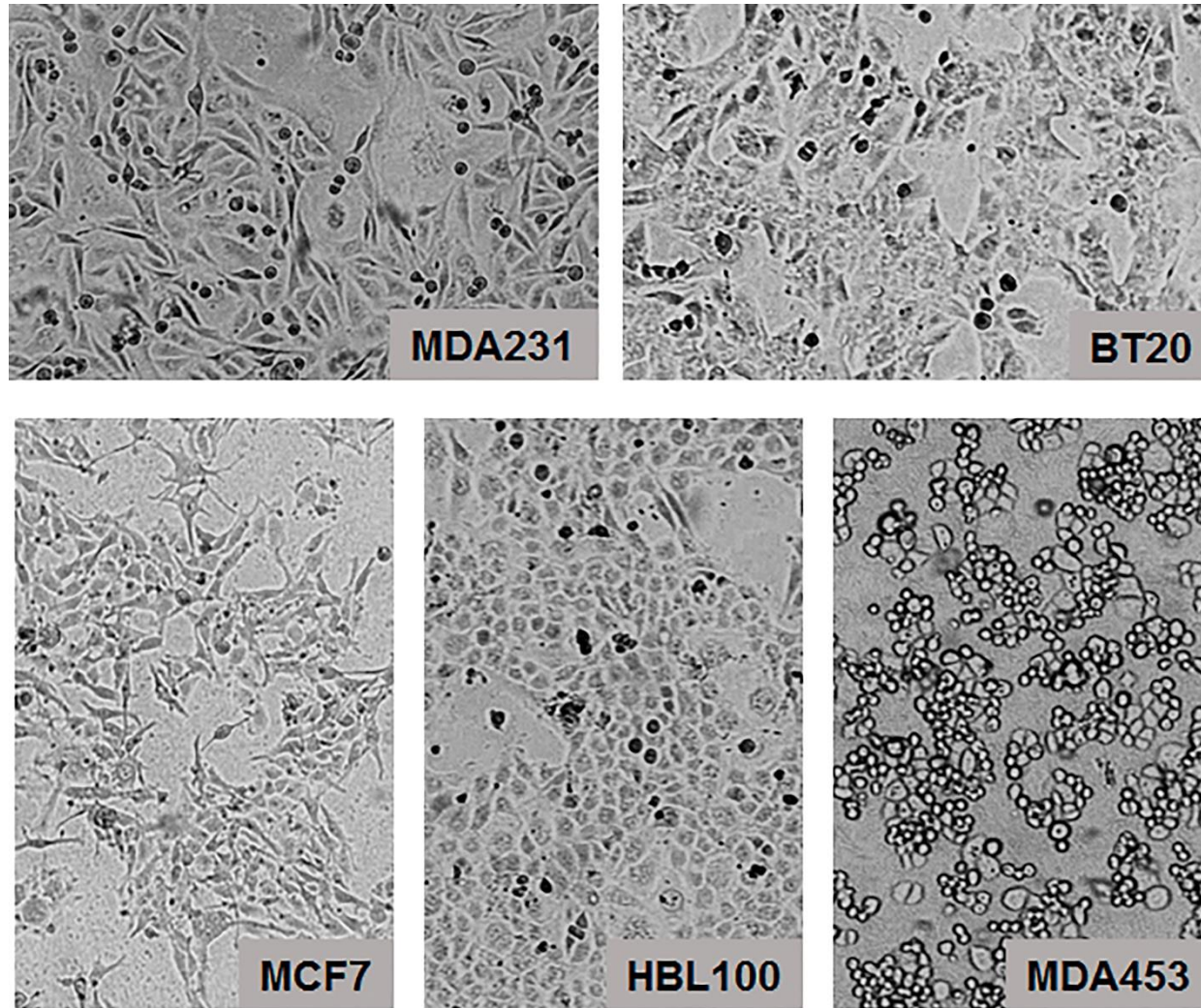


AN EXPRESSION OF MIR-186 AND MIR-7 IS INCREASED IN BREAST CANCER CELLS SENSITIVE TO PACLITAXEL

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Supplementary Figure S1: Morphology of BC cell cultures.

Images were obtained in 40x magnification with MIB-R inverted microscope supplied with camera (LOMO-Microsystems, Russia).



Supplementary Table S1: miR-seq complete results

The numbers reflects reads of single miRNA in individual cell line. Data were normalized with DESeq2 algorithm developed by Simon Anders and colleagues (1) for comparative RNA-seq data using shrinkage estimators for dispersion and fold change.

Pearson's correlation coefficients R reflect a linear (direct or inverse) correlation between the level of expression of a specific microRNA in five cell lines and the sensitivity of these cells to paclitaxel, estimated as a half-maximal concentration of inhibition of cell viability (IC50 value).

miRNA selected for further analysis are indicated by dark background.

MIR	MDAMB231	BT20	MCF7	HBL100	MDAMB453	PEARSON R
HSA-MIR-29-3P	10	11	5	5	1	0,966769171
HSA-MIR-140-5P	7258	5099	979	1104	147	0,941451358
HSA-LET-7C-5P	757	552	74	202	17	0,932548943
HSA-MIR-27A-3P	31571	20618	11817	15958	6216	0,93209688
HSA-MIR-34A-5P	8112	7971	1328	3246	216	0,931714099
HSA-MIR-16-5P	5797	6116	2798	160	115	0,929870235
HSA-MIR-424-5P	13788	9324	4297	1109	1482	0,929355796
HSA-MIR-191-5P	10191	5735	2128	250	5	0,927582446
HSA-MIR-451	51371	47166	23124	1321	4982	0,924372848
HSA-MIR-382-3P	9406	8517	2996	106	872	0,920774064
HSA-MIR-874-5P	213352	225249	62803	20	5771	0,920297412
HSA-MIR-659-3P	42	36	6	2	3	0,915062179
HSA-MIR-30A-5P	6182	5129	290	2144	65	0,912502562
HSA-LET-7G-3P	1401	1615	389	19	16	0,911427034
HSA-MIR-221-3P	60509	40509	813	10509	222	0,910289262
HSA-MIR-7113-5P	48	43	8	6	6	0,908267766
HSA-MIR-5000-5P	14	14	10	6	7	0,90552206

HSA-MIR-4532	778	757	281	16	108	0,905296626
HSA-MIR-6087	100	56	14	3	4	0,904773302
HSA-MIR-1910-5P	172	127	69	6	28	0,904275005
HSA-MIR-877-5P	642	714	472	107	92	0,90079754
HSA-MIR-6514-5P	86	53	7	3	5	0,892685176
HSA-MIR-3173-5P	3084	3813	2116	80	224	0,875747904
HSA-MIR-218-1-3P	321584	391159	59576	19	20220	0,875676982
HSA-MIR-196B-5P	38349	50908	21240	38	2829	0,870223686
HSA-MIR-24-3P	22916	19121	1150	11916	1127	0,867841587
HSA-MIR-29B-2-5P	64	93	43	17	10	0,863851052
HSA-MIR-450A-2-3P	10237	7450	4893	17	2281	0,859804482
HSA-MIR-583	66	25	12	2	2	0,85807349
HSA-MIR-6877-5P	18	6	3	4	1	0,841233788
HSA-MIR-145-5P	69888	22409	4489	9	69	0,834971294
HSA-MIR-381-5P	4436	3933	1759	19	1394	0,827673814
HSA-MIR-197-3P	1495	1089	498	759	660	0,821768325
HSA-MIR-497-5P	4655	6378	2463	25	1170	0,813189645
HSA-MIR-4463	64	19	6	3	2	0,812359841
HSA-MIR-660-5P	268	194	151	169	158	0,811036572
HSA-MIR-6763-5P	54	14	8	3	1	0,809598233
HSA-MIR-616-3P	4978	1375	58	12	2	0,808909454
HSA-MIR-3922-5P	112	102	64	19	51	0,808209192
HSA-MIR-1293	112801	202910	55479	1209	6637	0,801696756
HSA-MIR-152-5P	6343	9766	5755	33	727	0,794396693
HSA-MIR-18A-3P	631	1035	658	28	2	0,790231971
HSA-MIR-620	10	19	6	2	1	0,789029446
HSA-MIR-509-3P	51	20	9	5	10	0,787877841
HSA-MIR-760	192	183	1	145	1	0,786679295
HSA-MIR-6767-5P	10	17	7	2	2	0,786372303
HSA-MIR-4762-3P	18	26	6	4	7	0,78435262
HSA-MIR-181B-3P	281	559	133	38	24	0,775592255

HSA-MIR-196A-3P	2589	3115	1638	36	1004	0,77454571
HSA-MIR-6791-3P	11	8	3	8	3	0,771809514
HSA-MIR-628-3P	143	301	78	47	15	0,760904658
HSA-MIR-655-3P	174	78	17	91	21	0,760415433
HSA-MIR-499A-3P	62	34	25	6	23	0,752984836
HSA-MIR-4769-3P	3	5	3	1	1	0,743451791
HSA-MIR-6733-5P	23	47	20	6	4	0,743140336
HSA-MIR-184	44149	45869	53773	28	59	0,736020995
HSA-MIR-95-5P	23	6	13	5	3	0,726632764
HSA-MIR-3940-5P	124	14	3	3	1	0,72429127
HSA-MIR-4786-5P	665	262	191	19	201	0,709060027
HSA-MIR-4676-3P	117	282	57	21	22	0,699810323
HSA-MIR-665	1162	2766	1335	1228	2	0,690398152
HSA-MIR-10A-3P	21428	1289	7146	240	8	0,689430507
HSA-MIR-3607-3P	51	95	68	17	15	0,682649855
HSA-MIR-4804-5P	11648	278	16	55	199	0,667751861
HSA-MIR-6766-5P	614	110	234	1	99	0,667524514
HSA-MIR-3928-3P	1129	43	6	197	2	0,663281604
HSA-MIR-378F	42	74	60	5	11	0,660965642
HSA-MIR-576-5P	7398	1919	1422	337	1937	0,658685785
HSA-MIR-3138	7335	5802	9580	28	9	0,657623317
HSA-MIR-450B-5P	1025	51	12	217	14	0,657353589
HSA-MIR-887-3P	35	92	12	25	7	0,656327171
HSA-MIR-378C	2221	6677	486	1	326	0,647528791
HSA-MIR-185-3P	114	213	61	111	60	0,636969684
HSA-MIR-3157-5P	42322	110141	54825	21	10495	0,636932052
HSA-MIR-3189-5P	974	2405	680	3	399	0,636635299
HSA-MIR-2116-5P	336	1227	204	19	8	0,635000662
HSA-MIR-139-5P	777	1050	493	166	558	0,620820852
HSA-MIR-3194-5P	8396	13212	6845	3	5394	0,60792974
HSA-MIR-6869-5P	14	28	2	3	8	0,602317978

HSA-MIR-4668-5P	8	6	1	9	1	0,593662273
HSA-MIR-6827-5P	3	9	3	1	1	0,585116733
HSA-MIR-548V	119	160	124	17	80	0,583905442
HSA-MIR-615-5P	2023	1646	1622	16	1165	0,583549214
HSA-MIR-3157-3P	4368	2001	1727	6	2102	0,579842363
HSA-MIR-548A-3P	147	73	107	22	72	0,571953593
HSA-MIR-411-3P	15800	13206	15541	84	8387	0,564968947
HSA-MIR-2110	265	619	389	110	163	0,557582548
HSA-MIR-320C	114	442	161	3	45	0,555827156
HSA-MIR-874-3P	278	299	422	82	97	0,552679151
HSA-MIR-1185-1-3P	4915	112	151	210	932	0,550995854
HSA-MIR-337-3P	3871	8666	6331	330	1975	0,548634152
HSA-MIR-103A-2-5P	23	11	30	9	1	0,538038906
HSA-MIR-570-3P	16217	61836	28487	24	6901	0,536345602
HSA-MIR-4779	13	3	3	6	4	0,536330578
HSA-MIR-582-5P	144	360	192	22	98	0,535550678
HSA-MIR-6505-3P	4	11	1	6	2	0,519373702
HSA-MIR-1226-3P	367	11	314	49	1	0,517006964
HSA-MIR-3691-5P	61	25	80	25	1	0,515833026
HSA-MIR-1291	17	84	8	24	4	0,508846624
HSA-MIR-210-3P	13387	10691	10032	169	9064	0,50481467
HSA-MIR-6747-3P	40021	41582	34898	16	30252	0,481893447
HSA-MIR-3940-3P	32	132	91	1	14	0,471659947
HSA-LET-7A-3P	416	14	19	206	67	0,470647474
HSA-MIR-5583-3P	11	29	10	24	2	0,467226724
HSA-MIR-4657	610	774	817	3	413	0,467096152
HSA-MIR-7845-5P	5630	21710	19015	9	741	0,461264128
HSA-MIR-132-5P	863	591	376	180	638	0,458406716
HSA-MIR-4443	952	14394	594	29	491	0,455999897
HSA-MIR-652-3P	41	140	14	99	4	0,447082453
HSA-MIR-6737-3P	144	43	58	6	76	0,444942616

HSA-MIR-652-5P	80	112	50	22	77	0,44339691
HSA-MIR-3909	359	17990	17	26	5	0,441361324
HSA-MIR-10B-3P	1882	23009	413	153	1874	0,435548951
HSA-MIR-744-3P	38	5	19	13	14	0,432709564
HSA-MIR-7106-3P	3	11	3	3	3	0,428499968
HSA-MIR-4516	3	6	6	4	2	0,427328076
HSA-MIR-148A-5P	21	11682	9	50	8	0,426721579
HSA-MIR-1537-3P	9289	13403	9717	16	8501	0,415097779
HSA-MIR-494-5P	17000	65665	39748	25	15671	0,414934883
HSA-MIR-323A-5P	294	3269	1078	21	358	0,408859817
HSA-MIR-6783-3P	360	453	303	6	331	0,408251963
HSA-MIR-4710	24	3	17	11	8	0,400041842
HSA-MIR-6863	1	2	1	2	1	0,394759669
HSA-MIR-1910-3P	347	141	73	6	222	0,392966155
HSA-MIR-6839-3P	593	5880	4340	2	101	0,392645112
HSA-MIR-597-3P	11	59	18	6	15	0,389296655
HSA-MIR-4714-3P	8	11	17	2	4	0,385893939
HSA-MIR-542-5P	534	2170	689	121	688	0,384414074
HSA-MIR-616-5P	8	3	1	9	2	0,377464826
HSA-MIR-548W	3140	2563	1501	6	2665	0,371213268
HSA-MIR-433-3P	148	51	25	88	79	0,361674795
HSA-MIR-6848-5P	7	2	3	4	3	0,358285714
HSA-MIR-100-3P	2252	2471	2018	329	2119	0,358268335
HSA-MIR-193B-5P	66	102	30	137	16	0,348911984
HSA-MIR-495-5P	56	402	317	26	46	0,348353891
HSA-MIR-362-3P	4	19	19	7	1	0,347963287
HSA-MIR-574-3P	909	2937	964	1835	849	0,336007491
HSA-MIR-1306-5P	40	101	47	92	23	0,325414757
HSA-MIR-6775-5P	34	2	22	1	15	0,314347131
HSA-MIR-125A-5P	110138	389974	108207	18665	172299	0,305940729
HSA-MIR-3074-3P	16	2940	940	17	498	0,293643556

HSA-MIR-196A-5P	41842	49640	24210	22603	44278	0,289468567
HSA-MIR-6724-5P	31	19	46	35	8	0,287194599
HSA-MIR-4690-5P	6	2	2	3	3	0,282682088
HSA-MIR-193A-5P	71	47	31	84	39	0,273705024
HSA-MIR-7854-3P	8	2	8	1	4	0,27314236
HSA-MIR-346	41	472	181	1	132	0,269590872
HSA-MIR-30B-3P	241	44718	16702	17	8680	0,269193513
HSA-MIR-3928-5P	51	101	44	2	68	0,263748693
HSA-MIR-6790-3P	45	9	65	1	16	0,261894556
HSA-MIR-7106-5P	1	6	1	4	2	0,261294961
HSA-MIR-1193	8	2	8	9	1	0,255864659
HSA-MIR-6720-3P	3401	4471	3230	6	3834	0,254298445
HSA-MIR-1184	8	8	2	10	6	0,250638458
HSA-MIR-5096	25	19	10	48	4	0,229920581
HSA-MIR-5697	97	166	303	17	63	0,219070168
HSA-MIR-6507-5P	6	8	1	0	7	0,211892416
HSA-MIR-4275	96	1798	2216	0	148	0,211442099
HSA-MIR-29B-1-5P	339	211	186	362	228	0,211390421
HSA-MIR-1238-5P	21	45	42	0	28	0,20903945
HSA-MIR-615-3P	62	279	150	287	31	0,194834236
HSA-MIR-17-3P	8	534	591	228	1	0,189006796
HSA-MIR-6504-3P	17	5	21	5	9	0,184799522
HSA-MIR-3167	48	99	54	6	72	0,176282182
HSA-MIR-1296-3P	3	16	8	13	3	0,170785366
HSA-MIR-4677-5P	34	967	1610	103	2	0,1560639
HSA-MIR-142-3P	2395	12380	1361	17260	2	0,144545662
HSA-MIR-548N	21	25	17	6	26	0,142176192
HSA-MIR-154-3P	64	81	36	124	45	0,114664717
HSA-MIR-331-3P	32	2093	4090	217	19	0,111784103
HSA-MIR-496	3	40	20	25	10	0,111387688
HSA-MIR-3653-5P	2747	19580	5268	118	10399	0,108660791

HSA-MIR-6720-5P	4	301	125	17	120	0,096450623
HSA-MIR-412-3P	39628	239	105	6	29841	0,095768722
HSA-MIR-6799-3P	30	48	19	6	45	0,093142711
HSA-MIR-2277-3P	734	711	1424	6	734	0,090918583
HSA-MIR-6809-3P	7	90	228	2	2	0,086426573
HSA-MIR-141-3P	2130	3407	13827	212	541	0,084484284
HSA-MIR-3140-3P	1645	4814	8129	26	2387	0,07999476
HSA-MIR-3161	25	3	10	8	18	0,076094839
HSA-MIR-3133	4	22	16	1	12	0,074208935
HSA-LET-7E-3P	27	2	4	35	10	0,055718909
HSA-MIR-6768-3P	35	57	315	2	1	0,055367213
HSA-MIR-643	395	1064	2791	17	423	0,050437416
HSA-MIR-151A-3P	124592	155480	66312	24234	179140	0,020054593
HSA-MIR-92A-3P	1245	4046	1666	9247	3	0,013272873
HSA-MIR-4754	6	3	4	2	5	0,009497215
HSA-MIR-6847-5P	13	84	229	1	27	0,008329252
HSA-MIR-381-3P	3597	2484	8080	10626	48	0,00061257
HSA-MIR-4677-3P	7	81	2	152	2	-0,001593029
HSA-MIR-4766-5P	470	8	495	6	359	-0,003794459
HSA-MIR-27B-5P	21	40	41	61	17	-0,0107112
HSA-MIR-199A-5P	1001	1280	3497	6	1242	-0,02057426
HSA-MIR-30C-1-3P	28	28	14	98	10	-0,031158497
HSA-MIR-2114-5P	3	2	4	2	2	-0,033240667
HSA-MIR-6856-5P	11	209	728	1	66	-0,034353134
HSA-MIR-2355-3P	42	37	83	80	25	-0,042961871
HSA-MIR-6873-3P	80	240	232	23	184	-0,043706868
HSA-MIR-191-3P	2077	3875	30235	214	1720	-0,044060335
HSA-MIR-491-5P	695	39319	327746	184	123	-0,046424367
HSA-MIR-9-3P	55	20	30	173	11	-0,057537728
HSA-MIR-6837-3P	1	37	143	1	14	-0,058846341
HSA-MIR-548AQ-5P	16	2	4	23	8	-0,058916241

HSA-MIR-431-3P	3	56	68	102	1	-0,065773999
HSA-MIR-429	8	2	4	28	2	-0,092251633
HSA-MIR-548L	2222	707	12	6	2741	-0,095413888
HSA-MIR-421	55	2	3	217	5	-0,09724271
HSA-MIR-574-5P	2506	1587	1084	11951	441	-0,09730254
HSA-MIR-188-5P	11	9	5341	42	3	-0,097908886
HSA-MIR-3158-3P	4	3	6	17	1	-0,103766501
HSA-MIR-23B-5P	3	5	951	35	1	-0,104367665
HSA-MIR-23A-5P	239	2	1	46	238	-0,108772524
HSA-MIR-1304-3P	35	70	36	330	2	-0,1097615
HSA-MIR-296-5P	28	3	1	139	1	-0,112779952
HSA-MIR-501-3P	10	3	6	19	6	-0,127750524
HSA-MIR-4484	41	14	6	253	3	-0,13303599
HSA-MIR-3200-3P	14	12	18	82	3	-0,136676904
HSA-MIR-671-3P	1821	17	6	211	2008	-0,148167265
HSA-MIR-219B-3P	210	220	534	6	327	-0,149331181
HSA-MIR-28-5P	35	3	5	246	1	-0,154891352
HSA-MIR-380-5P	17902	12554	11677	163	25891	-0,155012144
HSA-MIR-4672	7	2	3	1	8	-0,160916899
HSA-MIR-26A-5P	1375	2732	482	19277	304	-0,162051508
HSA-MIR-4440	171	19	22	7	206	-0,17002135
HSA-MIR-330-3P	18	9	5	72	11	-0,17028464
HSA-MIR-548AZ-5P	4735	3835	5575	7	7064	-0,175315542
HSA-MIR-15B-3P	114	228	62	587	141	-0,176461656
HSA-MIR-1246	102	37	43	774	28	-0,183090308
HSA-MIR-4457	38	2	58	2	40	-0,183463921
HSA-MIR-369-3P	35	71	13	792	4	-0,190478993
HSA-MIR-361-3P	112	109	202	1175	22	-0,191492323
HSA-MIR-6514-3P	333	490	436	6	656	-0,191583472
HSA-MIR-4766-3P	6	3	45	31	2	-0,196034327
HSA-MIR-320A	1049	1724	944	11830	722	-0,196700865

HSA-MIR-128-1-5P	31	28	11576	37	1493	-0,19694379
HSA-MIR-450A-1-3P	23	5	21	29	16	-0,197133217
HSA-MIR-224-3P	3	0	2	1	3	-0,198060557
HSA-MIR-1306-3P	62	115	235	59	113	-0,198587171
HSA-MIR-548G-3P	7	9	8	4	11	-0,20026385
HSA-MIR-146B-3P	0	2	1	9	0	-0,203114161
HSA-MIR-4524A-3P	3	0	0	5	2	-0,203365914
HSA-MIR-1304-5P	0	2	0	15	0	-0,206558725
HSA-MIR-556-3P	0	2	0	15	0	-0,206558725
HSA-MIR-877-3P	0	2	1	10	0	-0,206913082
HSA-MIR-3934-5P	0	5	1	30	1	-0,207616778
HSA-MIR-573	0	0	9	4	0	-0,208801692
HSA-MIR-365A-5P	3	2	2	20	2	-0,210911647
HSA-MIR-589-3P	3	0	1	35	1	-0,212481594
HSA-MIR-500B-3P	8	2	5	2	9	-0,213664067
HSA-MIR-449C-5P	0	2	0	18	0	-0,213777874
HSA-MIR-3613-5P	90177	563	308	211	117602	-0,21572354
HSA-MIR-32-5P	1	65	1	941	0	-0,219423515
HSA-MIR-340-5P	0	48	0	701	0	-0,220462859
HSA-MIR-1-5P	47	34	14	0	80	-0,224000193
HSA-MIR-126-5P	114	40	1	1399	67	-0,224382067
HSA-MIR-449A	1	2	292	79	21	-0,225238689
HSA-MIR-106B-5P	18	6	7	410	5	-0,226787186
HSA-MIR-5699-3P	3	8	6	142	1	-0,226818978
HSA-MIR-195-5P	302	250	197	65	466	-0,232383069
HSA-MIR-222-3P	176	343	504	11176	1	-0,232490936
HSA-MIR-4502	1	22	19	413	1	-0,232991564
HSA-MIR-940	1	2	3	12	1	-0,234282072
HSA-MIR-127-3P	210	258	24	26324	27	-0,238966642
HSA-MIR-23A-3P	227	189	73	25191	14	-0,239109142
HSA-MIR-22-5P	3	2	1	240	1	-0,23923642

HSA-MIR-548T-5P	188	48	97	1	256	-0,239681862
HSA-LET-7A-5P	1159	2496	576	178632	692	-0,241020732
HSA-MIR-18A-5P	4	3	6	792	1	-0,244119131
HSA-MIR-379-5P	21	37	5	15790	2	-0,244894051
HSA-MIR-671-5P	16	5	2	6707	1	-0,24496236
HSA-MIR-942-5P	3	5	2	888	3	-0,245443167
HSA-MIR-494-3P	6	2	1	3225	2	-0,24567754
HSA-LET-7B-5P	48	177	74	31721	75	-0,245763253
HSA-MIR-125B-1-3P	8	2	13	987	4	-0,245894448
HSA-MIR-26B-5P	47	11	68	15818	17	-0,245950771
HSA-MIR-329-3P	1	2	2	786	1	-0,246164792
HSA-MIR-1296-5P	1	6	1	255	4	-0,24666385
HSA-MIR-30D-5P	4	2	52	12768	11	-0,247553152
HSA-MIR-548H-5P	4	6	1	166	6	-0,247802772
HSA-MIR-193B-3P	7	22	8	54	14	-0,248035157
HSA-MIR-584-5P	1	2	9	1821	7	-0,249576796
HSA-MIR-484	11	8	19	904	12	-0,249766128
HSA-MIR-296-3P	88	183	85	866	136	-0,249820161
HSA-MIR-21-3P	3	3	5	891	7	-0,25004405
HSA-MIR-25-5P	27	16	12	708	28	-0,250083933
HSA-MIR-194-5P	1	2	4	777	6	-0,251688013
HSA-MIR-146A-3P	56465	503	258	46	79174	-0,253138129
HSA-MIR-767-3P	1	2	5	28	1	-0,253190488
HSA-MIR-335-3P	11	11	8	356	16	-0,25592062
HSA-MIR-1262	295	3523	1082	102	3375	-0,256340316
HSA-MIR-323A-3P	1	9	10	1345	22	-0,257544182
HSA-MIR-3065-3P	6404	8329	4680	121	13630	-0,257909208
HSA-MIR-99B-3P	1	2	8	261	4	-0,259623453
HSA-MIR-501-5P	71	78	47	6	136	-0,263490288
HSA-MIR-126-3P	1	2	969	13346	98	-0,263521586
HSA-MIR-15A-5P	10	3	7	1452	40	-0,264808073

HSA-MIR-193A-3P	11	37	87	6	44	-0,265989641
HSA-MIR-183-5P	76	96	268	8269	268	-0,268353812
HSA-MIR-136-3P	7	11	20	735	28	-0,270511857
HSA-MIR-625-3P	37	31	55	4221	157	-0,270856932
HSA-MIR-136-5P	72	6	81	1139	75	-0,271700457
HSA-MIR-215-5P	6	3	2	52	7	-0,276855324
HSA-MIR-548E-3P	14	17	20	35	15	-0,277289982
HSA-MIR-1287-5P	6	9	14	143	12	-0,283969606
HSA-MIR-3929	7	6	1	54	10	-0,285813119
HSA-MIR-181A-2-3P	13	16	15	456	36	-0,287585491
HSA-MIR-548D-5P	24	26	6	17	41	-0,28910132
HSA-MIR-1305	28	2	22	83	22	-0,290227492
HSA-MIR-582-3P	3	12	11	34	8	-0,29688993
HSA-MIR-937-3P	148	453	505	21	524	-0,299323698
HSA-MIR-143-3P	1	2	1	35	4	-0,299332336
HSA-MIR-4326	3	5	22	647	42	-0,299854935
HSA-MIR-3681-5P	1389	974	632	2	2581	-0,30176347
HSA-MIR-29C-5P	13031	4426	2657	87	21905	-0,303756271
HSA-MIR-3662	3458	2473	2383	72	6163	-0,304564156
HSA-MIR-708-3P	699	1210	2253	6	1838	-0,306656944
HSA-MIR-409-3P	672	985	2414	12717	1463	-0,314529238
HSA-MIR-561-3P	18	43	5	32	47	-0,317118253
HSA-MIR-485-5P	21	19	4	189	39	-0,317709897
HSA-MIR-31-3P	150	304	178	319	250	-0,319895667
HSA-MIR-139-3P	1	2	3	65	7	-0,322296257
HSA-MIR-30E-3P	23	43	35	652	89	-0,324706509
HSA-MIR-3128	1	2	1	8	2	-0,333646724
HSA-MIR-4445-3P	14	16	4843	5	1591	-0,350529614
HSA-MIR-376A-2-5P	152917	474425	284492	108	636197	-0,352298365
HSA-MIR-29A-5P	11	31	25	350	63	-0,357677793
HSA-MIR-708-5P	4	2	3	26	7	-0,362867268

HSA-MIR-939-5P	4	2	3	16	5	-0,37281813
HSA-MIR-19B-1-5P	34353	44829	28019	21	89064	-0,376609439
HSA-MIR-3183	17	25	44	6	40	-0,377184138
HSA-MIR-4653-3P	913	748	1688	3	1880	-0,379244261
HSA-MIR-2682-5P	7	12	19	59	15	-0,379751782
HSA-MIR-3925-5P	1	3	3	9	3	-0,395084656
HSA-MIR-6816-5P	500	1008	502	6	1729	-0,396755843
HSA-MIR-155-5P	128	2592	222	46835	9849	-0,398045761
HSA-MIR-657	10	6	23	28	11	-0,403491313
HSA-MIR-3916	24	23	23	2	54	-0,418240136
HSA-MIR-4286	6	3	6	52	15	-0,428432678
HSA-MIR-579-5P	11932	14481	21748	16	31089	-0,434387893
HSA-MIR-4430	7024	70	31	2	15300	-0,445183303
HSA-MIR-5584-3P	47	28	29	1	107	-0,450956097
HSA-MIR-6888-3P	906	636	779	2	2110	-0,453857698
HSA-MIR-502-3P	14387	135	110	46	33077	-0,464677174
HSA-MIR-370-5P	1494	1686	2500	59	4028	-0,477507036
HSA-MIR-6511B-3P	1533	5003	7037	21	8689	-0,494173127
HSA-MIR-629-3P	25	307	98	58	439	-0,507886664
HSA-MIR-212-3P	4	5	8	17	8	-0,512895804
HSA-MIR-105-5P	4385	3489	3440	695	11616	-0,521969483
HSA-MIR-212-5P	65	130	25	19	316	-0,525957178
HSA-MIR-4417	1	5	3	2	5	-0,532539954
HSA-MIR-5090	3	5	1	5	8	-0,532636833
HSA-MIR-29A-3P	107352	418838	138038	66109	771298	-0,534364996
HSA-MIR-4798-3P	7	6	9	3	14	-0,535404414
HSA-MIR-548AY-3P	342	88	1	6	1097	-0,537079663
HSA-MIR-5695	140	65	85	7	384	-0,537797068
HSA-MIR-340-3P	6	2	23	25	11	-0,54026047
HSA-MIR-4804-3P	424	158	253	6	1170	-0,541377753
HSA-MIR-486-5P	3089	5248	8253	61	12682	-0,553408951

HSA-MIR-6755-5P	13	36	19	1	81	-0,556774257
HSA-MIR-3126-3P	692	1525	1342	6	3760	-0,577964261
HSA-MIR-1471	6	6	10	1	18	-0,580438663
HSA-MIR-150-3P	978	3455	3976	5	7273	-0,580750156
HSA-MIR-2355-5P	219	397	93	19	1362	-0,585322051
HSA-MIR-636	37858	43933	54077	22	149384	-0,587384108
HSA-MIR-495-3P	32245	562	31188	172	91065	-0,596609858
HSA-MIR-219B-5P	8043	8928	2030	19	52843	-0,624503195
HSA-MIR-5009-5P	51	47	28	5	261	-0,625033045
HSA-MIR-1908-5P	1	2	2	9	5	-0,631535575
HSA-MIR-5095	41	172	81	101	243	-0,632554802
HSA-MIR-6785-5P	5837	4561	14640	85	23660	-0,632556457
HSA-MIR-4317	8	9	8	1	46	-0,637950762
HSA-MIR-181C-5P	17	157	15	20	480	-0,638648341
HSA-MIR-6758-5P	198	133	530	2	831	-0,642813419
HSA-MIR-4783-3P	3	3	1	5	8	-0,645457032
HSA-MIR-369-5P	9212	34742	19104	1253	117003	-0,654842308
HSA-MIR-3198	775	948	1280	6	4347	-0,654964564
HSA-MIR-590-5P	12848	228	135	45	80879	-0,659152887
HSA-MIR-377-5P	4	29	60	61	39	-0,659499587
HSA-MIR-889-3P	8	17	8	343	207	-0,665886961
HSA-MIR-6806-5P	4	2	8	1	15	-0,672776875
HSA-MIR-181C-3P	14013	11102	12379	61	98107	-0,674556308
HSA-MIR-16-1-3P	10	185	22	20	721	-0,674724322
HSA-MIR-571	1	2	1	1	9	-0,675181805
HSA-MIR-6780B-3P	395	645	1517	2	2741	-0,678701567
HSA-MIR-301B-3P	258	264	307	53	1619	-0,683258764
HSA-MIR-4644	3	2	1	7	7	-0,686809481
HSA-MIR-7155-5P	4909	2890	7185	2	28528	-0,687048344
HSA-MIR-585-5P	4	2	5	1	22	-0,697819482
HSA-LET-7B-3P	137	5	1	43	1184	-0,700297694

HSA-MIR-324-3P	654	166	683	339	1942	-0,702313626
HSA-MIR-149-5P	89	354	307	1269	832	-0,70881572
HSA-MIR-29B-3P	30928	161599	26223	55120	918626	-0,712942082
HSA-MIR-4429	18	6	26	4	100	-0,714145208
HSA-MIR-205-5P	21	12	43	9	85	-0,717574911
HSA-MIR-1285-5P	7497	17765	13449	58	170126	-0,718463121
HSA-MIR-1273F	62	81	85	5	1060	-0,721922015
HSA-MIR-3679-5P	88	74	69	72	496	-0,724415731
HSA-MIR-6850-3P	7	5	8	3	62	-0,730340306
HSA-MIR-935	384	557	810	367	1178	-0,730475451
HSA-MIR-3651	24	64	86	6	392	-0,732842773
HSA-MIR-330-5P	17	12	8	430	331	-0,737039408
HSA-MIR-183-3P	319	579	783	58	7261	-0,737144937
HSA-MIR-3615	120	76	145	787	596	-0,745263494
HSA-MIR-181D-5P	631	2606	3634	102	35959	-0,74752997
HSA-MIR-7847-3P	4	3	10	1	97	-0,74920353
HSA-MIR-1322	32	48	151	8	349	-0,749273724
HSA-MIR-576-3P	357	1074	2715	99	29984	-0,757426528
HSA-MIR-24-2-5P	10	9	22	8	213	-0,75845881
HSA-MIR-1228-3P	3	5	2	7	10	-0,759454526
HSA-MIR-26A-2-3P	31	20	41	36	263	-0,777916528
HSA-MIR-450A-5P	6	2	1	40	371	-0,783460945
HSA-MIR-3657	11	5	60	9	136	-0,797407962
HSA-MIR-3187-3P	38	129	890	60	2297	-0,800774411
HSA-MIR-5000-3P	11	2	64	26	70	-0,819050002
HSA-MIR-548U	1	3	1	11	16	-0,825139659
HSA-MIR-483-5P	7	5	11	12	37	-0,856777224
HSA-MIR-3064-5P	7	8	67	25	87	-0,856836984
HSA-MIR-190A-5P	176	285	211	1876	4242	-0,864580982
HSA-MIR-93-5P	6760	18488	18175	28622	80353	-0,872233826
HSA-MIR-664B-5P	7	3	10	12	23	-0,894863354

HSA-MIR-410-5P	14	31	28	59	117	-0,896601184
HSA-MIR-200C-3P	182	56	528	387	1066	-0,908852471
HSA-MIR-641	20	40	78	85	249	-0,909503842
HSA-MIR-186-5P	11	74	202	625	1161	-0,931155823
HSA-MIR-125B-5P	1391	2045	3818	5615	12236	-0,933677607
HSA-MIR-1301-3P	124	76	236	406	537	-0,945618054
HSA-MIR-7-5P	135	199	370	586	692	-0,971416091

1. Love MI, Huber W and Anders S: Moderated estimation of fold change and dispersion for RNA-seq data with DESeq2. Genome Biol 15: 550, 2014.

Appendix S1. Results of small tandem repeat (STR) profiling of HT20 cell line

GENDER	X, X
D3S1358	16, 16
TH01	7, 9.3
D12S391	17, 18
D5S818	12, 12
TPOX	11, 11
D2S441	13, 13
D7S820	10, 10
D13S317	11, 11
FGA	-
D22S1045	15, 16
D18S51	13, 16
D16S539	11, 14
D8S1179	13, 14
CSF1PO	12, 12
D6S1043	14, 14
vWA	16, 17
D21S11	28, 32.2
SE33	23.2, 25.2
D10S1248	14, 14
D1S1656	14, 17
D19S433	12, 12
D2S1338	19, 24
DYS391	9
Yindel	2

Appendix S2. Results of small tandem repeat (STR) profiling of HBL100 cell line

GENDER	X, Y
D3S1358	14, 16
TH01	6, 8
D12S391	18, 18
D5S818	11, 12
TPOX	8, 8
D2S441	11, 11
D7S820	8, 12
D13S317	12, 12
FGA	25, 25
D22S1045	15, 16
D18S51	16, 16
D16S539	9, 12
D8S1179	12, 15
CSF1PO	10, 10
D6S1043	12, 14
vWA	16, 16
D21S11	28, 28
SE33	27.2, 29.2
D10S1248	13, 13
D1S1656	12, 16.3
D19S433	15, 15
D2S1338	18, 24
DYS391	11
Yindel	2

Appendix S3. Results of small tandem repeat (STR) profiling of MCF7 cell line

GENDER	X, X
D3S1358	14, 16
TH01	6, 6
D12S391	-
D5S818	11, 12
TPOX	9, 12
D2S441	11, 14
D7S820	8, 9
D13S317	11, 11
FGA	21, 21
D22S1045	15, 15
D18S51	13, 17
D16S539	11, 12
D8S1179	13, 13
CSF1PO	10, 10
D6S1043	11, 11
vWA	14, 15
D21S11	30, 30
SE33	15, 22
D10S1248	14, 14
D1S1656	11, 12
D19S433	14, 14
D2S1338	19, 24
DYS391	-
Yindel	-

Appendix S4. Results of small tandem repeat (STR) profiling of MDAMB231 cell line

GENDER	X, X
D3S1358	16, 16
TH01	7, 9.3
D12S391	17, 18
D5S818	12, 12
TPOX	8, 9
D2S441	14, 15
D7S820	8, 9
D13S317	13, 13
FGA	22, 23
D22S1045	16, 16
D18S51	11, 16
D16S539	12, 12
D8S1179	13, 13
CSF1PO	12, 13
D6S1043	18, 18
vWA	15, 18
D21S11	30, 33.2
SE33	15, 15
D10S1248	14, 16
D1S1656	15, 17
D19S433	11, 14
D2S1338	20, 21
DYS391	-
Yindel	-

Appendix S5. Results of small tandem repeat (STR) profiling of MDAMB453 cell line

GENDER	X, X
D3S1358	15, 15
TH01	6, 6
D12S391	18, 21
D5S818	11, 11
TPOX	10, 10
D2S441	10, 10
D7S820	10, 10
D13S317	12, 12
FGA	18, 23
D22S1045	15, 16
D18S51	15, 20
D16S539	9, 9
D8S1179	10, 12
CSF1PO	10, 12
D6S1043	11, 18
vWA	17, 18
D21S11	29, 31
SE33	24.2, 28.2
D10S1248	14, 15
D1S1656	16.3, 17.3
D19S433	13, 14
D2S1338	23, 24
DYS391	-
Yindel	-