

Supplementary Table 7: List of 64 differentially expressed genes in PBMC for therapy effects test by Wilcoxon rank sum test with average FPKM >1

	PiZZ.off.avg	PiZZ.off.sd	PiZZ.off.cv	PiZZ.on.avg	PiZZ.on.sd	PiZZ.on.cv	FC	logFC	PValue	FDR
SPA17	2.04134669	5.20788491	2.5512006	0.88032173	0.63544833	0.72183647	2.31886437	-1.2134184	1.15E-06	0.00241992
APOA1-AS	1.5799337	6.80134589	4.30482994	0.15120012	0.21501696	1.42206871	10.4492885	-3.3853328	1.31E-06	0.00241992
SNORD95	501.992459	2353.80056	4.68891617	40.1735046	71.2955529	1.7746909	12.4956103	-3.6433495	1.02E-06	0.00241992
SNORA33	90.4070276	439.833163	4.86503289	6.02435546	9.30248559	1.5441462	15.0069212	-3.9075561	8.96E-07	0.00241992
SNORD92	248.214514	1120.36167	4.51368315	11.8432864	36.1376656	3.05132076	20.9582464	-4.3894461	1.31E-06	0.00241992
SNORD12	106.355069	515.606485	4.84797283	5.07442273	15.0313861	2.96218641	20.9590479	-4.3895013	6.94E-07	0.00241992
SCARNA27	64.869891	304.096702	4.68779425	1.91526046	3.1479117	1.64359458	33.8700102	-5.0819365	5.34E-07	0.00241992
MIR192	34.0200441	163.968154	4.81975136	0.375645	1.76193123	4.69041576	90.564347	-6.5008713	1.31E-06	0.00241992
SNORD100	1240.00579	6066.38815	4.89222568	12.4839182	26.2844703	2.1054664	99.3282532	-6.6341322	2.38E-07	0.00241992
SNORD73A	438.018242	2207.16473	5.038979	0.00061464	0.00288241	4.68959871	712643.601	-19.442821	8.96E-07	0.00241992
SNORD45B	232.798052	1015.61427	4.36264075	22.7447364	37.0168696	1.6274917	10.2352495	-3.3554744	1.48E-06	0.00246644
SNORD116-1	46.8468	237.835362	5.07687531	3.15515455	7.3051797	2.31531597	14.8477038	-3.8921679	1.89E-06	0.00246644
SNORD28	277.088655	1425.05528	5.14295786	9.57644546	24.0993246	2.51652084	28.934395	-4.8547136	1.67E-06	0.00246644
SNORD57	2671.09967	13407.5252	5.0194777	74.2533636	168.027358	2.2628922	35.9727767	-5.1688336	1.89E-06	0.00246644
SNORD116-1	197.641997	1043.96543	5.28210322	2.83022727	6.42277281	2.26934878	69.8325532	-6.1258278	1.89E-06	0.00246644
SNORD82	182.776635	947.533266	5.18410501	2.54088636	8.24215086	3.24380932	71.9342026	-6.168606	2.13E-06	0.00248935
MIR342	37.2594155	154.209239	4.13879921	2.70427727	6.38699258	2.36181129	13.7779568	-3.7842901	2.70E-06	0.00249995
SYNE1-AS1	1.24274093	6.49073126	5.22291582	0.04385829	0.07731442	1.76282325	28.3353706	-4.8245322	2.40E-06	0.00249995
SNORD18A	361.751597	1907.70906	5.27353321	7.02165	18.7955412	2.67679836	51.5194572	-5.6870455	3.04E-06	0.00249995
MIR150	129.965021	681.468563	5.24347674	2.43060455	6.33018559	2.60436672	53.4702451	-5.7406644	3.04E-06	0.00249995
SNORD13	292.849819	1567.35134	5.35206526	4.20811455	9.52677256	2.26390524	69.5916937	-6.1208432	2.70E-06	0.00249995
SNORD42B	714.022566	3772.59341	5.28357729	12.4542818	43.4951715	3.49238697	57.3314926	-5.8412559	3.41E-06	0.00245588
SNORA43	71.0059556	380.636379	5.36062611	1.08538486	2.94799032	2.71607836	65.4200722	-6.0316614	3.41E-06	0.00261558
SNORD50B	132.502635	558.846975	4.21762916	11.7717955	20.9900507	1.7830798	11.255941	-3.4926148	4.82E-06	0.00314864
RNU4-1	71.4428772	274.245839	3.83867292	4.51057182	8.20074146	1.81811571	15.8389845	-3.9854079	4.82E-06	0.00314864
SNORD102	249.98129	1339.65136	5.35900065	11.5261	20.6945079	1.79544754	21.6882805	-4.4388438	4.82E-06	0.00314864
SNORD50A	273.628614	1412.34849	5.16155262	23.2385364	34.25963	1.47425937	11.7747783	-3.557628	5.39E-06	0.00342481
SNORD19	5.4743931	14.9404725	2.72915594	0	0	#DIV/0!	Inf	#NAME?	6.03E-06	0.00352894
SCARNA16	35.7307973	127.780622	3.57620406	7.43578864	6.82696032	0.91812189	4.8052465	-2.2646104	6.03E-06	0.00352894
SNORD119	57.7981862	291.887329	5.05011226	8.52621364	25.1948278	2.95498434	6.77888083	-2.7610471	7.53E-06	0.00418498
MIRLET7B	777.944693	3068.3544	3.94418065	212.194741	225.909159	1.06463128	3.66618272	-1.8742787	8.40E-06	0.00424533
SNORD6	1132.0653	5873.85562	5.1886191	47.5965364	195.253362	4.1022599	23.7846151	-4.5719568	8.40E-06	0.00424533
MIRLET7G	55.698231	281.375586	5.05178675	5.60914091	12.5668615	2.24042535	9.92990405	-3.3117798	9.37E-06	0.00443113
SNORD56	217.534717	1158.39669	5.3251118	9.26868182	43.4739713	4.69041576	23.4698657	-4.5527377	9.37E-06	0.00443113
MORN2	3.37994993	8.37566147	2.47804306	1.64333396	0.92266612	0.5614599	2.05676389	-1.0403762	1.29E-05	0.0057445
DDX11L9	1.29783572	3.59381124	2.76908023	0.53329532	0.57850341	1.08477122	2.43361545	-1.2831012	1.59E-05	0.00668777
SNORD125	607.020193	2220.6286	3.65824502	140.812992	189.527894	1.3459546	4.31082519	-2.1079641	1.59E-05	0.00668777
SNORD14C	32.8572966	104.678479	3.18585185	6.60434546	11.0396355	1.67157148	4.97510265	-2.3147263	1.96E-05	0.00751807
SNORD36C	197.280745	1048.45023	5.31450868	12.8375636	26.8269025	2.08971914	15.3674599	-3.9418068	1.96E-05	0.00751807
MIR197	18.5433621	78.7911937	4.24902417	3.82829546	13.2426155	3.45914144	4.84376462	-2.2761288	3.25E-05	0.01111225
MIR375	67.73	364.737212	5.38516481	8.80124546	23.3070965	2.6481589	7.69550177	-2.9440154	3.25E-05	0.01111225
SNORD44	441.858983	2269.91478	5.13719279	177.322609	751.021025	4.2353371	2.49183669	-1.3172095	3.96E-05	0.0127444
SNORD52	32.253769	146.91019	4.55482242	6.38736364	29.9593911	4.69041576	5.04962153	-2.3361753	3.96E-05	0.0127444
SNORD34	533.2687	2265.38089	4.24810398	70.2532546	87.3856355	1.24386601	7.59066186	-2.9242257	3.96E-05	0.0127444
MIR409	24.3007828	117.230334	4.82413819	1.73221818	8.12482346	4.69041576	14.0287078	-3.8103102	4.36E-05	0.01365105
MIR6513	120.007535	630.829675	5.25658391	19.6253227	72.6914005	3.7039595	6.11493305	-2.6123367	4.80E-05	0.01442586
SNORD42A	9846.17783	49221.3215	4.99902828	1410.1818	3991.07029	2.83018139	6.98220459	-2.8036826	5.28E-05	0.01525906
RNU6-15P	2.4461469	7.74070436	3.16444788	0.41491227	1.94611106	4.69041576	5.89557614	-2.5596328	5.81E-05	0.01635821
SNORD41	1326.06126	6848.22735	5.16433708	602.732836	2567.3368	4.25949383	2.20008133	-1.1375569	6.39E-05	0.01753573
CASS4	4.28353103	3.29100095	0.76829161	2.8311325	1.28086294	0.4524207	1.51300974	-0.5974213	8.45E-05	0.02236172
MIR1281	504.494593	2319.52762	4.59772543	108.394959	278.230506	2.56682145	4.6542256	-2.2185411	8.45E-05	0.02236172
SNORD12C	257.384438	1268.09679	4.92685884	231.520773	1065.25966	4.60114073	1.11171207	-0.1527832	9.26E-05	0.02422397
SNORD99	9695.01872	46100.6076	4.75508186	4724.54677	18766.5415	3.97213583	2.05205265	-1.0370677	0.00012151	0.02904823
SNORD48	1502.26963	6917.96159	4.60500663	333.881264	1495.16003	4.478119	4.49941279	-2.1697367	0.00012151	0.02904823
TEC	1.11059505	1.99904381	1.79997544	0.65280374	0.3608817	0.55281806	1.70126943	-0.7666116	0.00013285	0.030767
RNU6-31P	7.62602621	39.4664247	5.17522804	1.59537227	3.46885846	2.1743254	4.78009198	-2.2570384	0.00013285	0.030767
RNY4	3036.72154	10701.1415	3.52391268	277.230777	294.737197	1.06314746	10.9537677	-3.4533553	0.00014516	0.03259864
RMRP	35.8310545	86.5563425	2.41567946	12.6534531	14.2810884	1.1286317	2.83172144	-1.5016794	0.0001585	0.03524031
MIR3184	116.903353	474.628379	4.06000655	67.9357527	256.34553	3.77335232	1.72079278	-0.7830734	0.00018864	0.03994383
SNORD32A	3975.81158	17305.058	4.35258505	847.073455	2665.35885	3.14654985	4.69358538	-2.2306904	0.00018864	0.03994383
SNORD1C	266.379903	1353.71647	5.08190166	215.819114	927.22079	4.29628671	1.23427392	-0.3036626	0.00020561	0.04155707
SNORD12B	166.835319	644.450563	3.86279456	61.5825099	69.9680382	1.13616738	2.70913481	-1.4378322	0.00020561	0.04155707
MIR34A	526.017483	2693.91335	5.12133804	135.681496	429.472581	3.16529956	3.87685496	-1.9548868	0.00022396	0.04445838
SNORD71	2738.57399	13212.4357	4.82456773	1118.03841	4036.23631	3.61010522	2.44944535	-1.2924551	0.00024381	0.04754869