

Supplementary Table 3: Network reconstruction output. For each miR is reported the number of interactions that constitute its regulon, and the minimum, 25th percentile, 50th percentile, 75th percentile and maximum of the mutual information distribution inside the regulon.

miR	Interactions	Mutual Information				
		Min	25%	50%	75%	Max
hsa-mir-424-3p	414	0.32473	0.37247	0.38861	0.40744	0.50657
hsa-mir-574-3p	393	0.33021	0.36552	0.38109	0.39923	0.56244
hsa-mir-4795-5p	353	0.31655	0.36631	0.38121	0.39748	0.47209
hsa-mir-4780	334	0.32999	0.36964	0.38371	0.40305	0.48604
hsa-mir-3622a-3p	332	0.32639	0.36473	0.37752	0.39375	0.50178
hsa-mir-424-5p	332	0.32454	0.36635	0.38014	0.39953	0.49575
hsa-mir-600	284	0.33061	0.36964	0.38333	0.4035	0.51085
hsa-mir-1321	276	0.32345	0.36386	0.37872	0.39068	0.45334
hsa-mir-502-3p	275	0.3306	0.36354	0.37702	0.39567	0.48841
hsa-mir-3175	266	0.33333	0.36822	0.38336	0.39909	0.4742
hsa-mir-3136-3p	261	0.33565	0.36908	0.38345	0.40493	0.58508
hsa-mir-29b-3p	259	0.32372	0.3628	0.37661	0.39732	0.46295
hsa-mir-663a	253	0.32335	0.36798	0.38419	0.40074	0.48906
hsa-mir-29a-3p	239	0.32592	0.36327	0.37882	0.39618	0.43845
hsa-mir-23a-3p	231	0.33441	0.36328	0.37488	0.39076	0.48098
hsa-mir-638	215	0.33727	0.3652	0.38048	0.39478	0.5238
hsa-mir-4536-3p	203	0.32394	0.3663	0.3812	0.40312	0.46089
hsa-mir-4764-3p	201	0.32786	0.3635	0.37674	0.39284	0.4561
hsa-mir-4516	195	0.32172	0.35857	0.37495	0.39128	0.44148
hsa-mir-206	193	0.33029	0.36019	0.37657	0.39105	0.48625
hsa-mir-4488	186	0.32229	0.36039	0.37037	0.38545	0.46097
hsa-mir-5704	181	0.32832	0.36636	0.38209	0.39661	0.44966
hsa-mir-551a	173	0.32915	0.36443	0.38101	0.40111	0.47926
hsa-mir-3133	159	0.33381	0.36435	0.38244	0.39821	0.45898
hsa-mir-589-5p	151	0.33344	0.36514	0.38334	0.3976	0.45107
hsa-mir-5007-3p	145	0.33077	0.36631	0.38026	0.40291	0.45214
hsa-mir-548as-3p	132	0.33643	0.36582	0.37852	0.39747	0.48024
hsa-mir-597	125	0.331	0.36344	0.37735	0.3989	0.46761
hsa-mir-744-5p	125	0.32971	0.36165	0.37604	0.39205	0.47139
hsa-mir-4530	118	0.32781	0.36358	0.37343	0.38897	0.48897
hsa-mir-4732-3p	111	0.32991	0.36288	0.37773	0.39725	0.46168
hsa-mir-4707-5p	110	0.33257	0.36163	0.37353	0.39015	0.44891
hsa-mir-665	110	0.3044	0.3598	0.3773	0.39997	0.48483
hsa-mir-4279	107	0.32004	0.36764	0.38557	0.4022	0.45663
hsa-mir-660-3p	104	0.33164	0.36454	0.37861	0.39672	0.45829
hsa-mir-490-3p	97	0.33011	0.36097	0.38055	0.39911	0.43651
hsa-mir-4800-3p	93	0.32783	0.36112	0.37434	0.38862	0.42978
hsa-mir-483-3p	92	0.31792	0.36188	0.38163	0.40023	0.45184
hsa-mir-4290	91	0.33682	0.36298	0.38037	0.40092	0.4694
hsa-mir-642b-5p	91	0.32904	0.36451	0.37348	0.39417	0.44258
hsa-mir-4701-5p	89	0.31832	0.36202	0.3754	0.39277	0.42943
hsa-mir-4747-5p	89	0.34145	0.36283	0.37846	0.39511	0.46855

hsa-mir-4419b	86	0.33132	0.36314	0.37899	0.39518	0.46076
hsa-mir-3124-3p	83	0.33298	0.3651	0.38209	0.40282	0.48894
hsa-mir-3611	77	0.3294	0.35792	0.37147	0.38492	0.45725
hsa-mir-4478	74	0.32597	0.36801	0.37975	0.4001	0.44857
hsa-mir-4421	73	0.331	0.36408	0.38018	0.39417	0.43765
hsa-mir-4739	71	0.32738	0.36734	0.38285	0.40982	0.45404
hsa-mir-181a-5p	66	0.34136	0.36547	0.3775	0.39288	0.45029
hsa-mir-4762-5p	66	0.33705	0.36255	0.3806	0.39488	0.46934
hsa-mir-4698	64	0.32145	0.36265	0.37836	0.39717	0.43368
hsa-mir-4667-5p	63	0.33554	0.36365	0.37696	0.39381	0.43921
hsa-mir-5187-3p	63	0.33855	0.36107	0.37632	0.401	0.44938
hsa-mir-4473	62	0.33947	0.36602	0.38503	0.41563	0.44725
hsa-mir-516b-5p	62	0.32984	0.35632	0.37326	0.38701	0.43804
hsa-mir-196b-5p	61	0.34262	0.36093	0.38058	0.39445	0.46702
hsa-mir-4709-3p	60	0.32766	0.35359	0.37061	0.39764	0.45977
hsa-mir-485-3p	58	0.3366	0.36052	0.37252	0.39437	0.44245
hsa-mir-33b-5p	55	0.33187	0.36234	0.38002	0.40664	0.45265
hsa-mir-4712-3p	50	0.30866	0.3573	0.36977	0.38929	0.44696
hsa-mir-4299	48	0.34532	0.3628	0.37597	0.39438	0.44096
hsa-mir-205-3p	47	0.33357	0.36225	0.38524	0.39594	0.45116
hsa-mir-4682	29	0.31401	0.35445	0.37037	0.39422	0.43794