

Additional File 3: For the known 23 upstream regulators and 48 downstream TFs of p53 (based on p53 Knowledgebase; <http://p53.bii.a-star.edu.sg>), putative miRs regulating them were extracted using MAMI server and the database (<http://mami.med.harvard.edu/>) which has compilation of microRNA targets from five target prediction tools namely, DIANA-microT, miRanda, TargetScanS, miRtarget and PicTar. The last two columns indicate the role of the transcription factor in the p53 network and whether it is upstream or downstream to the p53 network.

p53-miR	TargetGene	MAMI score	TargetScanS	miRanda	microT	miRtarget	picTar	Role in p53 network	Upstream/Downstream to p53
hsa-miR-124a	EGR1	0.11277	0.87	-1	-2	-1	-2	Activator	Upstream
hsa-miR-181c	EGR1	0.11277	0.932	-1	-2	-1	-1	Activator	Upstream
hsa-miR-183	EGR1	0.35292	0.81	0.99798	-2	0.0073	-2	Activator	Upstream
hsa-miR-192	EGR1	0.14584	-1	-1	-2	0.00365	-1	Activator	Upstream
hsa-miR-203	EGR1	0.11277	0.53	-1	-2	-1	-2	Activator	Upstream
hsa-miR-23a	EGR1	0.11277	0.56	-1	-2	-1	-1	Activator	Upstream
hsa-miR-518b	EGR1	0.09432	-2	0.9272	-2	-1	-2	Activator	Upstream
hsa-miR-518c	EGR1	0.09432	-2	0.9272	-2	-1	-2	Activator	Upstream
hsa-miR-518d	EGR1	0.09432	-2	0.9272	-2	-1	-2	Activator	Upstream
hsa-miR-124a	SP1	0.11277	0.962	-2	-2	-2	-2	Activator	Upstream
hsa-miR-125b	SP1	0.11277	0.71	-2	-2	-2	-2	Activator	Upstream
hsa-miR-128b	SP1	0.11277	0.939	-2	-2	-2	-2	Activator	Upstream
hsa-miR-135a	SP1	0.11277	0.74	-2	-2	-2	-2	Activator	Upstream
hsa-miR-135b	SP1	0.11277	0.74	-2	-2	-2	-2	Activator	Upstream
hsa-miR-24	SP1	0.11277	0.6	-2	-2	-2	-2	Activator	Upstream
hsa-miR-33	SP1	0.11277	0.55	-2	-2	-2	-2	Activator	Upstream
hsa-miR-196a	HOXA5	0.11277	0.82	-1	-1	-1	-2	Activator	Upstream
hsa-miR-196b	HOXA5	0.11277	0.82	-1	-1	-1	-2	Activator	Upstream
hsa-miR-26b	HOXA5	0.2586	0.82	-1	-1	0.0219	-2	Activator	Upstream
hsa-miR-27a	HOXA5	0.11277	0.64	-1	-1	-1	-2	Activator	Upstream
hsa-miR-376a	HOXA5	0.50875	-2	0.99778	0.22562	-1	-2	Activator	Upstream
hsa-miR-376b	HOXA5	0.50875	-2	0.99778	0.18138	-1	-2	Activator	Upstream
hsa-miR-484	HOXA5	0.14584	-2	-2	-1	0.01095	-2	Activator	Upstream
hsa-miR-96	HOXA5	0.2586	0.77	-1	-1	0.0146	-2	Activator	Upstream
hsa-miR-101	YY1	0.09432	-1	0.70774	-2	-2	-1	Activator	Upstream
hsa-miR-181c	YY1	0.11277	0.88	-1	-1	-2	-1	Activator	Upstream
hsa-miR-200a	YY1	0.11277	0.48	-1	-1	-2	-2	Activator	Upstream
hsa-miR-29a	YY1	0.41443	-2	-1	0.37604	-2	-1	Activator	Upstream
hsa-miR-34a	YY1	0.11277	0.65	-1	-1	-2	-2	Activator	Upstream
hsa-miR-384	YY1	0.09432	-2	0.51585	-1	-2	-2	Activator	Upstream
hsa-miR-511	YY1	0.09432	-2	0.64718	-2	-2	-2	Activator	Upstream
hsa-miR-346	NFIC	0.09432	-2	0.85331	-2	-2	-2	Activator	Upstream
hsa-miR-30a-3p	NFKB1	0.09432	-2	0.53885	-2	-2	-1	Activator	Upstream
hsa-miR-508	NFKB1	0.09432	-2	0.79507	-2	-2	-2	Activator	Upstream
hsa-miR-9	NFKB1	0.11277	0.81	-2	-2	-2	-2	Activator	Upstream
hsa-miR-125b	USF1	0.09432	-2	0.10515	-2	-2	-2	Activator	Upstream
hsa-miR-296	USF1	0.09432	-2	0.73209	-2	-2	-2	Activator	Upstream
hsa-let-7a	MYC	0.09432	-2	0.98208	-2	-2	-2	Activator	Upstream
hsa-let-7b	MYC	0.09432	-2	0.98208	-2	-2	-2	Activator	Upstream
hsa-let-7f	MYC	0.09432	-2	0.98208	-2	-2	-2	Activator	Upstream
hsa-let-7i	MYC	0.09432	-2	0.98208	-2	-2	-2	Activator	Upstream
hsa-miR-155	MYC	0.09432	-2	0.21942	-2	-2	-2	Activator	Upstream
hsa-miR-196a	MYC	0.09432	-2	0.98528	-2	-2	-2	Activator	Upstream
hsa-miR-196b	MYC	0.09432	-2	0.98528	-2	-2	-2	Activator	Upstream
hsa-miR-200b	MYC	0.09432	-2	0.37261	-2	-2	-2	Activator	Upstream
hsa-miR-200c	MYC	0.09432	-2	0.37261	-2	-2	-2	Activator	Upstream
hsa-miR-429	MYC	0.09432	-2	0.02147	-2	-2	-2	Activator	Upstream
hsa-miR-98	MYC	0.09432	-2	0.9952	-2	-2	-2	Activator	Upstream
hsa-miR-33	MAX	0.11277	0.51	-2	-1	-2	-1	Activator	Upstream
hsa-miR-200a	JUN	0.11277	0.53	-1	-1	-2	-2	Cell-type specific activator/ repressor	Upstream
hsa-miR-200b	JUN	0.41443	-1	-1	0.17254	-2	-1	Cell-type specific activator/ repressor	Upstream
hsa-miR-32	JUN	0.11277	0.85	-1	-1	-2	-2	Cell-type specific activator/ repressor	Upstream
hsa-miR-495	JUN	0.09432	-2	0.93878	-2	-2	-2	Cell-type specific activator/ repressor	Upstream
hsa-miR-92	JUN	0.11277	0.85	-1	-1	-2	-2	Cell-type specific activator/ repressor	Upstream
hsa-miR-101	FOS	0.35292	0.86	0.99887	-2	0.01095	-2	Cell-type specific activator/ repressor	Upstream
hsa-miR-181c	FOS	0.35292	0.63	0.99588	-1	0.01095	-2	Cell-type specific activator/ repressor	Upstream
hsa-miR-221	FOS	0.11277	0.8	-1	-1	-1	-2	Cell-type specific activator/ repressor	Upstream
hsa-miR-222	FOS	0.20708	0.8	0.8804	-1	-1	-2	Cell-type specific activator/ repressor	Upstream
hsa-miR-29a	FOS	0.09432	-2	0.97906	-1	-1	-1	Cell-type specific activator/ repressor	Upstream
hsa-miR-29b	FOS	0.09432	-2	0.97906	-1	-1	-2	Cell-type specific activator/ repressor	Upstream
hsa-miR-29c	FOS	0.09432	-2	0.97906	-1	-1	-2	Cell-type specific activator/ repressor	Upstream
hsa-miR-509	FOS	0.09432	-2	0.13106	-2	-1	-2	Cell-type specific activator/ repressor	Upstream
hsa-miR-7	FOS	0.09432	-1	0.95869	-1	-1	-1	Cell-type specific activator/ repressor	Upstream
hsa-miR-106a	BCL6	0.11277	0.49	-1	-2	-2	-2	Repressor	Upstream
hsa-miR-10a	BCL6	0.20708	0.66	0.62379	-2	-2	-2	Repressor	Upstream
hsa-miR-10b	BCL6	0.11277	0.66	-1	-2	-2	-2	Repressor	Upstream
hsa-miR-124a	BCL6	0.11277	0.85	-1	-2	-2	-1	Repressor	Upstream
hsa-miR-129	BCL6	0.09432	-2	0.93663	-2	-2	-2	Repressor	Upstream
hsa-miR-181c	BCL6	0.11277	0.907	-1	-2	-2	-2	Repressor	Upstream
hsa-miR-183	BCL6	0.11277	0.6	-1	-2	-2	-2	Repressor	Upstream
hsa-miR-20b	BCL6	0.11277	0.49	-1	-2	-2	-2	Repressor	Upstream
hsa-miR-26b	BCL6	0.11277	0.64	-1	-2	-2	-2	Repressor	Upstream
hsa-miR-30b	BCL6	0.11277	0.901	-1	-2	-2	-2	Repressor	Upstream
hsa-miR-30c	BCL6	0.11277	0.901	-1	-2	-2	-2	Repressor	Upstream
hsa-miR-30d	BCL6	0.11277	0.901	-1	-2	-2	-1	Repressor	Upstream
hsa-miR-346	BCL6	0.09432	-2	0.72746	-2	-2	-2	Repressor	Upstream
hsa-miR-34a	BCL6	0.11277	0.67	-1	-2	-2	-2	Repressor	Upstream
hsa-miR-372	BCL6	0.11277	0.68	-1	-2	-2	-1	Repressor	Upstream
hsa-miR-373	BCL6	0.11277	0.68	-1	-2	-2	-2	Repressor	Upstream
hsa-miR-520b	BCL6	0.09432	-2	0.5253	-2	-2	-2	Repressor	Upstream
hsa-miR-520c	BCL6	0.09432	-2	0.5253	-2	-2	-2	Repressor	Upstream
hsa-miR-520d	BCL6	0.09432	-2	0.5253	-2	-2	-2	Repressor	Upstream
hsa-miR-520f	BCL6	0.09432	-2	0.5253	-2	-2	-2	Repressor	Upstream
hsa-miR-9	BCL6	0.11277	0.79	-2	-2	-2	-2	Repressor	Upstream
hsa-miR-135a	ATF3	0.11277	0.78	-1	-2	-1	-2	Repressor	Upstream

hsa-miR-135b	ATF3	0.11277	0.78	-1	-2	-1	-2	Repressor	Upstream
hsa-miR-192	ATF3	0.09432	-1	0.69078	-2	-1	-1	Repressor	Upstream
hsa-miR-30d	ATF3	0.09432	-1	0.89288	-2	-1	-1	Repressor	Upstream
hsa-miR-107	KLF4	0.11277	0.57	-1	-1	-1	-1	Repressor	Upstream
hsa-miR-10a	KLF4	0.11277	0.52	-1	-1	-1	-2	Repressor	Upstream
hsa-miR-10b	KLF4	0.11277	0.52	-1	-1	-1	-2	Repressor	Upstream
hsa-miR-124a	KLF4	0.2586	0.78	-1	-1	0.00365	-2	Repressor	Upstream
hsa-miR-128b	KLF4	0.11277	0.77	-1	-1	-1	-2	Repressor	Upstream
hsa-miR-135a	KLF4	0.11277	0.71	-1	-1	-1	-2	Repressor	Upstream
hsa-miR-135b	KLF4	0.11277	0.71	-1	-1	-1	-2	Repressor	Upstream
hsa-miR-148a	KLF4	0.76735	0.76	0.80599	0.33622	0.0073	-2	Repressor	Upstream
hsa-miR-200b	KLF4	0.11277	0.68	-1	-1	-1	-1	Repressor	Upstream
hsa-miR-200c	KLF4	0.11277	0.68	-1	-1	-1	-2	Repressor	Upstream
hsa-miR-26b	KLF4	0.11277	0.69	-1	-1	-1	-2	Repressor	Upstream
hsa-miR-32	KLF4	0.35292	0.982	0.92963	-1	0.01095	-2	Repressor	Upstream
hsa-miR-34a	KLF4	0.2586	0.68	-1	-1	0.00365	-2	Repressor	Upstream
hsa-miR-449	KLF4	0.14584	-2	-1	-1	0.01825	-2	Repressor	Upstream
hsa-miR-508	KLF4	0.24015	-2	0.48935	-2	0.00011	-2	Repressor	Upstream
hsa-miR-7	KLF4	0.2586	0.87	-1	-1	0.0876	-2	Repressor	Upstream
hsa-miR-92	KLF4	0.11277	0.982	-1	-1	-1	-2	Repressor	Upstream
hsa-miR-153	PAX2	0.11277	0.85	-1	-2	-2	-2	Repressor	Upstream
hsa-miR-138	PAX8	0.09432	-1	0.15986	-2	-1	-1	Repressor	Upstream
hsa-miR-326	PAX8	0.14584	-2	-1	-2	0.0292	-2	Repressor	Upstream
hsa-miR-124a	ETS1	0.11277	0.83	-1	-2	-1	-2	Uncharacterized	Upstream
hsa-miR-125b	ETS1	0.11277	0.84	-1	-2	-1	-2	Uncharacterized	Upstream
hsa-miR-155	ETS1	0.11277	0.7	-1	-2	-1	-2	Uncharacterized	Upstream
hsa-miR-181c	ETS1	0.11277	0.79	-1	-2	-1	-2	Uncharacterized	Upstream
hsa-miR-199a	ETS1	0.11277	0.89	-2	-2	-1	-2	Uncharacterized	Upstream
hsa-miR-199b	ETS1	0.11277	0.89	-1	-2	-1	-2	Uncharacterized	Upstream
hsa-miR-200b	ETS1	0.11277	0.78	-1	-2	-1	-1	Uncharacterized	Upstream
hsa-miR-200c	ETS1	0.11277	0.78	-1	-2	-1	-1	Uncharacterized	Upstream
hsa-miR-214	ETS1	0.14584	-2	-1	-2	0.0073	-1	Uncharacterized	Upstream
hsa-miR-221	ETS1	0.11277	0.74	-1	-2	-1	-2	Uncharacterized	Upstream
hsa-miR-222	ETS1	0.11277	0.74	-1	-2	-1	-2	Uncharacterized	Upstream
hsa-miR-9	ETS1	0.11277	0.85	-2	-2	-1	-2	Uncharacterized	Upstream
hsa-miR-199a	ETS2	0.11277	0.78	-2	-2	-2	-1	Uncharacterized	Upstream
hsa-miR-199b	ETS2	0.11277	0.78	-1	-2	-2	-1	Uncharacterized	Upstream
hsa-miR-203	ETS2	0.11277	0.68	-1	-2	-2	-2	Uncharacterized	Upstream
hsa-miR-221	ETS2	0.11277	0.906	-1	-2	-2	-2	Uncharacterized	Upstream
hsa-miR-222	ETS2	0.11277	0.906	-1	-2	-2	-2	Uncharacterized	Upstream
hsa-miR-155	CEBPB	0.62151	0.78	0.71117	0.24774	-1	-2	Uncharacterized	Upstream
hsa-miR-342	CEBPB	0.09432	-2	0.80788	-1	-1	-1	Uncharacterized	Upstream
hsa-miR-510	CEBPB	0.14584	-2	-1	-2	0.01825	-2	Uncharacterized	Upstream
hsa-miR-29b	BAX	0.09432	-2	0.16613	-2	-2	-2	activator	Downstream
hsa-miR-29c	BAX	0.09432	-2	0.16613	-2	-2	-2	activator	Downstream
hsa-miR-148a	BBC3	0.09432	-2	0.72848	-2	-2	-2	activator	Downstream
hsa-miR-296	BBC3	0.09432	-2	0.8104	-2	-2	-2	activator	Downstream
hsa-miR-210	BDKRB2	0.09432	-2	0.37001	-2	-2	-2	activator	Downstream
hsa-let-7a	BTG2	0.11277	0.84	-1	-1	-2	-2	activator	Downstream
hsa-let-7b	BTG2	0.11277	0.84	-1	-1	-2	-2	activator	Downstream
hsa-let-7f	BTG2	0.11277	0.84	-1	-1	-2	-2	activator	Downstream
hsa-let-7i	BTG2	0.11277	0.84	-1	-1	-2	-2	activator	Downstream
hsa-miR-106a	BTG2	0.11277	0.56	-1	-1	-2	-2	activator	Downstream
hsa-miR-107	BTG2	0.11277	0.72	-1	-1	-2	-2	activator	Downstream
hsa-miR-124a	BTG2	0.11277	0.84	-1	-1	-2	-1	activator	Downstream
hsa-miR-128b	BTG2	0.11277	0.72	-1	-1	-2	-2	activator	Downstream
hsa-miR-195	BTG2	0.11277	0.92	-1	-1	-2	-2	activator	Downstream
hsa-miR-20b	BTG2	0.11277	0.56	-1	-2	-2	-2	activator	Downstream
hsa-miR-27a	BTG2	0.62151	0.963	0.86604	0.4424	-2	-2	activator	Downstream
hsa-miR-32	BTG2	0.20708	0.988	0.987	-1	-2	-2	activator	Downstream
hsa-miR-9	BTG2	0.11277	0.77	-2	-1	-2	-2	activator	Downstream
hsa-miR-92	BTG2	0.11277	0.988	-1	-1	-2	-2	activator	Downstream
hsa-miR-98	BTG2	0.11277	0.84	-1	-1	-2	-2	activator	Downstream
hsa-miR-122a	CCNG1	0.35292	0.7	0.96174	-2	0.00365	-2	activator	Downstream
hsa-miR-181d	CCNG1	0.14584	-2	-1	-2	0.0073	-2	activator	Downstream
hsa-miR-203	CCNG1	0.11277	0.63	-1	-2	-1	-2	activator	Downstream
hsa-miR-23a	CCNG1	0.11277	0.75	-1	-2	-1	-2	activator	Downstream
hsa-miR-27a	CCNG1	0.2586	0.82	-1	-2	0.00001	-2	activator	Downstream
hsa-miR-510	CCNG1	0.14584	-2	-1	-2	0.0073	-2	activator	Downstream
hsa-miR-9	CCNG1	0.11277	0.86	-2	-2	-1	-2	activator	Downstream
hsa-miR-106a	CDKN1A	0.11277	0.82	-1	-2	-2	-2	activator	Downstream
hsa-miR-124a	CDKN1A	0.09432	-1	0.88139	-2	-2	-2	activator	Downstream
hsa-miR-20b	CDKN1A	0.11277	0.82	-1	-2	-2	-2	activator	Downstream
hsa-miR-296	CDKN1A	0.09432	-2	0.80043	-2	-2	-2	activator	Downstream
hsa-miR-24	CTSD	0.09432	-2	0.86131	-2	-2	-2	activator	Downstream
hsa-miR-326	CTSD	0.09432	-2	0.57473	-2	-2	-2	activator	Downstream
hsa-miR-331	CTSD	0.09432	-2	0.45511	-2	-2	-2	activator	Downstream
hsa-miR-96	CTSD	0.09432	-2	0.00085	-2	-2	-2	activator	Downstream
hsa-miR-195	CX3CL1	0.11277	0.74	-2	-2	-1	-2	activator	Downstream
hsa-miR-296	CX3CL1	0.14584	-2	-2	-2	0.04015	-2	activator	Downstream
hsa-miR-326	CX3CL1	0.14584	-2	-2	-2	0.05475	-1	activator	Downstream
hsa-miR-331	CX3CL1	0.14584	-2	-2	-2	0.03285	-1	activator	Downstream
hsa-miR-424	CX3CL1	0.14584	-2	-2	-2	0.00365	-2	activator	Downstream
hsa-miR-497	CX3CL1	0.14584	-2	-2	-2	0.00001	-2	activator	Downstream
hsa-miR-504	CX3CL1	0.14584	-2	-2	-2	0.0073	-2	activator	Downstream
hsa-miR-516-3p	CX3CL1	0.14584	-2	-2	-2	0.1314	-2	activator	Downstream
hsa-miR-101	DKK1	0.09432	-1	0.7591	-2	-2	-1	activator	Downstream
hsa-miR-148a	DKK1	0.09432	-1	0.63777	-2	-2	-1	activator	Downstream
hsa-miR-372	DKK1	0.11277	0.69	-1	-2	-2	-1	activator	Downstream
hsa-miR-373	DKK1	0.11277	0.69	-1	-2	-2	-2	activator	Downstream
hsa-miR-502	DKK1	0.09432	-2	0.13733	-2	-2	-2	activator	Downstream

hsa-miR-106a	EEF1A1	0.09432	-1	0.90109	-2	-2	-2	activator	Downstream
hsa-miR-20b	EEF1A1	0.09432	-1	0.91682	-2	-2	-1	activator	Downstream
hsa-miR-33	EEF1A1	0.20708	0.59	0.99884	-2	-2	-2	activator	Downstream
hsa-miR-373	EEF1A1	0.09432	-1	0.04632	-2	-2	-2	activator	Downstream
hsa-miR-450	EEF1A1	0.09432	-2	1	-2	-2	-2	activator	Downstream
hsa-miR-519d	EEF1A1	0.09432	-2	0.93204	-2	-2	-2	activator	Downstream
hsa-miR-520a	EEF1A1	0.09432	-2	0.92994	-2	-2	-2	activator	Downstream
hsa-miR-520b	EEF1A1	0.09432	-2	0.92994	-2	-2	-2	activator	Downstream
hsa-miR-520c	EEF1A1	0.09432	-2	0.92994	-2	-2	-2	activator	Downstream
hsa-miR-520d	EEF1A1	0.09432	-2	0.92994	-2	-2	-2	activator	Downstream
hsa-miR-520g	EEF1A1	0.09432	-2	0.92994	-2	-2	-2	activator	Downstream
hsa-miR-520h	EEF1A1	0.09432	-2	0.92994	-2	-2	-2	activator	Downstream
hsa-miR-128b	EGFR	0.11277	0.78	-1	-2	-2	-2	activator	Downstream
hsa-miR-7	EGFR	0.09432	-1	0.33018	-2	-2	-1	activator	Downstream
hsa-let-7a	FAS	0.14584	-1	-2	-2	0.00001	-2	activator	Downstream
hsa-let-7b	FAS	0.14584	-1	-2	-2	0.00001	-2	activator	Downstream
hsa-let-7f	FAS	0.14584	-1	-2	-2	0.00001	-2	activator	Downstream
hsa-let-7i	FAS	0.14584	-1	-2	-2	0.00365	-2	activator	Downstream
hsa-miR-196a	FAS	0.14584	-1	-2	-2	0.01095	-2	activator	Downstream
hsa-miR-196b	FAS	0.14584	-1	-2	-2	0.01095	-2	activator	Downstream
hsa-miR-23a	FAS	0.11277	0.73	-2	-2	-1	-2	activator	Downstream
hsa-miR-98	FAS	0.14584	-1	-2	-2	0.00001	-2	activator	Downstream
hsa-miR-148a	GADD45A	0.11277	0.74	-1	-2	-1	-2	activator	Downstream
hsa-miR-326	GADD45A	0.09432	-2	0.3844	-2	-1	-1	activator	Downstream
hsa-miR-362	GADD45A	0.14584	-2	-1	-2	0.00001	-2	activator	Downstream
hsa-miR-374	GADD45A	0.09432	-2	0.90809	-2	-1	-2	activator	Downstream
hsa-miR-502	GADD45A	0.24015	-2	0.85312	-2	0.00365	-2	activator	Downstream
hsa-miR-19b	IGFBP3	0.20708	0.82	0.65905	-1	-1	-2	activator	Downstream
hsa-miR-34a	IGFBP3	0.11277	0.75	-1	-1	-1	-2	activator	Downstream
hsa-miR-449	IGFBP3	0.41443	-2	-1	0.34507	-1	-2	activator	Downstream
hsa-miR-495	IGFBP3	0.14584	-2	-1	-2	0.00365	-2	activator	Downstream
hsa-miR-153	MDM2	0.09432	-2	0.89457	-2	-2	-2	activator	Downstream
hsa-miR-23a	MET	0.11277	0.86	-1	-2	-2	-2	activator	Downstream
hsa-miR-34a	MET	0.11277	0.94	-1	-2	-2	-2	activator	Downstream
hsa-miR-29a	MMP2	0.24015	-2	0.96138	-2	0.04745	-1	activator	Downstream
hsa-miR-29b	MMP2	0.24015	-2	0.96138	-2	0.04745	-2	activator	Downstream
hsa-miR-29c	MMP2	0.24015	-2	0.96138	-2	0.04745	-2	activator	Downstream
hsa-miR-519b	MMP2	0.14584	-2	-1	-2	0.00365	-2	activator	Downstream
hsa-miR-519c	MMP2	0.09432	-2	0.9005	-2	-1	-2	activator	Downstream
hsa-miR-520g	MMP2	0.14584	-2	-1	-2	0.00001	-2	activator	Downstream
hsa-miR-520h	MMP2	0.14584	-2	-1	-2	0.00001	-2	activator	Downstream
hsa-let-7i	PCBP4	0.09432	-1	0.64792	-2	-2	-2	activator	Downstream
hsa-miR-195	PCBP4	0.11277	0.72	-1	-2	-2	-2	activator	Downstream
hsa-miR-296	PCBP4	0.09432	-2	0.82996	-2	-2	-2	activator	Downstream
hsa-miR-331	PCBP4	0.09432	-2	0.82314	-2	-2	-2	activator	Downstream
hsa-miR-128b	PLK2	0.58557	0.88	0.99318	-1	0.01825	0.52516	activator	Downstream
hsa-miR-200b	PLK2	0.35292	0.66	0.90382	-1	0.01095	-1	activator	Downstream
hsa-miR-200c	PLK2	0.35292	0.66	0.90382	-1	0.0146	-1	activator	Downstream
hsa-miR-214	PLK2	0.14584	-2	-1	-1	0.0365	-1	activator	Downstream
hsa-miR-27a	PLK2	0.58557	0.979	0.9921	-1	0.2993	0.52516	activator	Downstream
hsa-miR-320	PLK2	0.14584	-2	-1	-1	0.01825	-1	activator	Downstream
hsa-miR-500	PLK2	0.09432	-2	0.1563	-2	-1	-2	activator	Downstream
hsa-miR-516-3p	PLK2	0.14584	-2	-1	-2	0.0073	-2	activator	Downstream
hsa-miR-520c	PLK2	0.09432	-2	0.97028	-2	-1	-2	activator	Downstream
hsa-let-7a	RB1	0.11277	0.83	-1	-2	-1	-2	activator	Downstream
hsa-let-7b	RB1	0.11277	0.83	-1	-2	-1	-2	activator	Downstream
hsa-let-7f	RB1	0.11277	0.83	-1	-2	-1	-2	activator	Downstream
hsa-let-7i	RB1	0.11277	0.83	-1	-2	-1	-2	activator	Downstream
hsa-miR-106a	RB1	0.11277	0.8	-1	-2	-1	-2	activator	Downstream
hsa-miR-192	RB1	0.20708	0.8	0.85928	-2	-1	-2	activator	Downstream
hsa-miR-20b	RB1	0.11277	0.8	-1	-2	-1	-2	activator	Downstream
hsa-miR-33	RB1	0.11277	0.57	-1	-2	-1	-1	activator	Downstream
hsa-miR-520g	RB1	0.09432	-2	0.8472	-2	-1	-2	activator	Downstream
hsa-miR-520h	RB1	0.09432	-2	0.8472	-2	-1	-2	activator	Downstream
hsa-miR-525	RB1	0.14584	-2	-2	-2	0.1533	-2	activator	Downstream
hsa-miR-7	RB1	0.11277	0.51	-1	-2	-1	-2	activator	Downstream
hsa-miR-98	RB1	0.11277	0.83	-1	-2	-1	-2	activator	Downstream
hsa-miR-95	S100A2	0.09432	-2	0.0489	-2	-2	-2	activator	Downstream
hsa-miR-181c	SERPINE1	0.09432	-1	0.39391	-1	-1	-1	activator	Downstream
hsa-miR-181d	SERPINE1	0.09432	-2	0.39391	-2	-1	-2	activator	Downstream
hsa-miR-30b	SERPINE1	0.76735	0.82	0.72721	0.43798	0.0292	-2	activator	Downstream
hsa-miR-30c	SERPINE1	0.76735	0.82	0.72721	0.5353	0.0292	-2	activator	Downstream
hsa-miR-30d	SERPINE1	0.11277	0.82	-1	-1	-1	-2	activator	Downstream
hsa-miR-34a	SERPINE1	0.2586	0.75	-1	-1	0.04015	-2	activator	Downstream
hsa-miR-449	SERPINE1	0.14584	-2	-1	-1	0.04015	-2	activator	Downstream
hsa-let-7a	SFN	0.09432	-2	0.16363	-2	-2	-2	activator	Downstream
hsa-let-7b	SFN	0.09432	-2	0.16363	-2	-2	-2	activator	Downstream
hsa-miR-122a	SFN	0.09432	-2	0.65	-2	-2	-2	activator	Downstream
hsa-let-7a	TAP1	0.09432	-2	0.10899	-2	-2	-2	activator	Downstream
hsa-let-7b	TAP1	0.09432	-2	0.10899	-2	-2	-2	activator	Downstream
hsa-let-7f	TAP1	0.09432	-2	0.10899	-2	-2	-2	activator	Downstream
hsa-let-7i	TAP1	0.09432	-2	0.10899	-2	-2	-2	activator	Downstream
hsa-miR-222	TAP1	0.09432	-2	0.88949	-2	-2	-2	activator	Downstream
hsa-miR-30a-3p	TAP1	0.09432	-2	0.15384	-2	-2	-2	activator	Downstream
hsa-miR-98	TAP1	0.09432	-2	0.34493	-2	-2	-2	activator	Downstream
hsa-miR-148a	TGFA	0.11277	0.81	-2	-2	-2	-2	activator	Downstream
hsa-miR-23a	TGFA	0.11277	0.7	-2	-2	-2	-2	activator	Downstream
hsa-miR-200b	ANLN	0.20708	0.84	0.58397	-2	-2	-1	repressor	Downstream
hsa-miR-200c	ANLN	0.20708	0.84	0.58397	-2	-2	-2	repressor	Downstream
hsa-miR-504	ANLN	0.09432	-2	0.31281	-2	-2	-2	repressor	Downstream
hsa-miR-129	CDC25C	0.09432	-2	0.79298	-2	-2	-2	repressor	Downstream

hsa-miR-142-3p	CDC25C	0.09432	-2	0.99572	-2	-2	-2	repressor	Downstream
hsa-miR-198	CDC25C	0.09432	-2	0.3585	-2	-2	-2	repressor	Downstream
hsa-miR-450	CDC25C	0.09432	-2	0.16525	-2	-2	-2	repressor	Downstream
hsa-miR-511	CDC25C	0.09432	-2	0.99646	-2	-2	-2	repressor	Downstream
hsa-miR-526a	CDC25C	0.09432	-2	0.69517	-2	-2	-2	repressor	Downstream
hsa-miR-101	HSPA8	0.09432	-1	0.97467	-2	-2	-2	repressor	Downstream
hsa-miR-194	HSPA8	0.09432	-1	0.09274	-2	-2	-2	repressor	Downstream
hsa-miR-33	HSPA8	0.11277	0.58	-1	-2	-2	-2	repressor	Downstream
hsa-miR-519b	HSPA8	0.09432	-2	0.86802	-2	-2	-2	repressor	Downstream
hsa-miR-519c	HSPA8	0.09432	-2	0.86802	-2	-2	-2	repressor	Downstream
hsa-miR-519d	HSPA8	0.09432	-2	0.86802	-2	-2	-2	repressor	Downstream
hsa-miR-142-3p	IER3	0.24015	-2	0.71372	-2	0.01825	-2	repressor	Downstream
hsa-miR-151	IER3	0.09432	-2	0.83899	-2	-1	-2	repressor	Downstream
hsa-miR-502	NOS3	0.09432	-2	0.82979	-2	-2	-2	repressor	Downstream
hsa-miR-192	ODC1	0.09432	-2	0.91022	-2	-1	-2	repressor	Downstream
hsa-miR-26b	ODC1	0.09432	-2	0.38156	-2	-1	-2	repressor	Downstream
hsa-let-7a	SCD	0.14584	-1	-1	-2	0.00001	-1	repressor	Downstream
hsa-let-7b	SCD	0.14584	-1	-1	-2	0.00001	-1	repressor	Downstream
hsa-let-7f	SCD	0.14584	-1	-1	-2	0.00001	-1	repressor	Downstream
hsa-let-7i	SCD	0.14584	-1	-1	-2	0.00001	-1	repressor	Downstream
hsa-miR-124a	SCD	0.2586	0.903	-1	-2	0.01095	-2	repressor	Downstream
hsa-miR-200b	SCD	0.14584	-1	-1	-2	0.0073	-1	repressor	Downstream
hsa-miR-331	SCD	0.14584	-2	-1	-2	0.00365	-1	repressor	Downstream
hsa-miR-383	SCD	0.14584	-2	-1	-2	0.00001	-2	repressor	Downstream
hsa-miR-429	SCD	0.14584	-2	-1	-2	0.01095	-2	repressor	Downstream
hsa-miR-98	SCD	0.14584	-1	-1	-2	0.00365	-1	repressor	Downstream
hsa-miR-10a	SLC38A2	0.11277	0.75	-1	-1	-2	-2	repressor	Downstream
hsa-miR-10b	SLC38A2	0.11277	0.75	-1	-1	-2	-2	repressor	Downstream
hsa-miR-181c	SLC38A2	0.11277	0.72	-1	-1	-2	-2	repressor	Downstream
hsa-miR-26b	SLC38A2	0.11277	0.968	-1	-1	-2	-2	repressor	Downstream
hsa-miR-30b	SLC38A2	0.11277	0.75	-1	-1	-2	-1	repressor	Downstream
hsa-miR-30c	SLC38A2	0.11277	0.75	-1	-1	-2	-1	repressor	Downstream
hsa-miR-30d	SLC38A2	0.11277	0.75	-1	-1	-2	-2	repressor	Downstream
hsa-miR-32	SLC38A2	0.11277	0.75	-1	-1	-2	-2	repressor	Downstream
hsa-miR-363	SLC38A2	0.41443	-2	-1	0.41143	-2	-2	repressor	Downstream
hsa-miR-92	SLC38A2	0.11277	0.75	-1	-1	-2	-2	repressor	Downstream
hsa-miR-500	TRPM2	0.09432	-2	0.45445	-2	-2	-2	repressor	Downstream
hsa-miR-183	SCARA3	0.09432	-2	0.82208	-2	-2	-2	unknown	Downstream
hsa-miR-182	THBS2	0.11277	0.87	-2	-2	-2	-1	unknown	Downstream
hsa-miR-222	THBS2	0.09432	-1	0.19469	-2	-2	-1	unknown	Downstream
hsa-miR-30b	THBS2	0.11277	0.936	-1	-2	-2	-2	unknown	Downstream
hsa-miR-30c	THBS2	0.11277	0.936	-1	-2	-2	-1	unknown	Downstream
hsa-miR-30d	THBS2	0.11277	0.936	-1	-2	-2	-1	unknown	Downstream
hsa-miR-503	THBS2	0.09432	-2	0.34125	-2	-2	-2	unknown	Downstream
hsa-miR-518a	THBS2	0.09432	-2	0.95857	-2	-2	-2	unknown	Downstream
hsa-miR-518b	THBS2	0.09432	-2	0.95857	-2	-2	-2	unknown	Downstream
hsa-miR-518c	THBS2	0.09432	-2	0.95857	-2	-2	-2	unknown	Downstream
hsa-miR-518d	THBS2	0.09432	-2	0.95857	-2	-2	-2	unknown	Downstream
hsa-miR-524	THBS2	0.09432	-2	0.64874	-2	-2	-2	unknown	Downstream
hsa-miR-9	THBS2	0.11277	0.88	-2	-2	-2	-1	unknown	Downstream