

Table S5. Differentially expressed miRNAs in OVM

miRNA_id	Regulation	log2FC	p Value
hsa-let-7a-3p	Up	2.55	0.003
hsa-let-7a-5p	Down	-2.13	0.000
hsa-let-7b-5p	Down	-1.90	0.004
hsa-let-7c-5p	Down	-1.99	0.006
hsa-let-7d-3p	Down	-2.11	0.010
hsa-let-7e-5p	Down	-1.86	0.021
hsa-let-7f-2-3p	Up	3.10	0.008
hsa-let-7i-3p	Up	1.59	0.048
hsa-let-7i-5p	Down	-1.47	0.015
hsa-miR-1-3p	Down	-3.52	0.000
hsa-miR-100-5p	Down	-1.44	0.043
hsa-miR-10399-5p	Up	3.46	0.021
hsa-miR-103a-2-5p	Up	3.13	0.017
hsa-miR-103a-3p	Up	1.74	0.014
hsa-miR-106a-5p	Up	3.76	0.000
hsa-miR-106b-5p	Up	4.69	0.000
hsa-miR-107	Up	3.20	0.000
hsa-miR-10a-3p	Down	-2.53	0.018
hsa-miR-10a-5p	Down	-4.84	0.000
hsa-miR-1185-1-3p	Up	4.34	0.000
hsa-miR-1185-2-3p	Up	3.00	0.038
hsa-miR-1185-5p	Up	Inf	0.004
hsa-miR-1197	Up	4.55	0.013
hsa-miR-12136	Up	2.83	0.001
hsa-miR-122-5p	Down	-7.11	0.002
hsa-miR-1225-5p	Down	#NAME?	0.008
hsa-miR-1226-3p	Down	-2.75	0.013
hsa-miR-1247-3p	Down	-2.08	0.038
hsa-miR-1247-5p	Down	-1.85	0.031
hsa-miR-1250-5p	Up	3.24	0.007
hsa-miR-125a-3p	Down	-2.04	0.025
hsa-miR-125a-5p	Down	-2.30	0.001
hsa-miR-126-5p	Up	2.50	0.001
hsa-miR-127-5p	Up	2.86	0.007
hsa-miR-1277-3p	Up	2.49	0.044
hsa-miR-1277-5p	Up	4.29	0.008
hsa-miR-128-3p	Down	-2.05	0.012
hsa-miR-1306-5p	Down	-1.76	0.048
hsa-miR-1307-3p	Down	-2.12	0.018
hsa-miR-130b-3p	Up	3.30	0.000
hsa-miR-133a-3p	Down	-4.43	0.000
hsa-miR-135b-5p	Up	9.35	0.045
hsa-miR-136-3p	Up	3.15	0.000
hsa-miR-136-5p	Up	2.68	0.002

hsa-miR-139-3p	Down	-1.88	0.045
hsa-miR-141-3p	Up	10.47	0.044
hsa-miR-142-3p	Up	5.49	0.000
hsa-miR-142-5p	Up	5.35	0.000
hsa-miR-143-3p	Down	-4.61	0.000
hsa-miR-143-5p	Down	-1.90	0.036
hsa-miR-144-3p	Up	4.84	0.001
hsa-miR-144-5p	Up	4.86	0.000
hsa-miR-145-3p	Down	-3.90	0.000
hsa-miR-145-5p	Down	-3.76	0.000
hsa-miR-1468-5p	Down	-2.91	0.002
hsa-miR-146b-3p	Up	3.63	0.000
hsa-miR-146b-5p	Up	3.19	0.005
hsa-miR-151a-3p	Down	-1.83	0.011
hsa-miR-154-3p	Up	5.79	0.000
hsa-miR-154-5p	Up	2.52	0.003
hsa-miR-15a-5p	Up	4.12	0.000
hsa-miR-15b-3p	Up	1.99	0.016
hsa-miR-15b-5p	Up	2.70	0.001
hsa-miR-16-5p	Up	3.16	0.000
hsa-miR-17-3p	Up	2.70	0.003
hsa-miR-17-5p	Up	2.71	0.001
hsa-miR-181b-3p	Up	5.04	0.011
hsa-miR-182-5p	Up	2.31	0.003
hsa-miR-185-5p	Up	2.43	0.002
hsa-miR-188-5p	Up	2.35	0.033
hsa-miR-18a-5p	Up	3.37	0.000
hsa-miR-18b-5p	Up	Inf	0.004
hsa-miR-190a-5p	Up	3.61	0.039
hsa-miR-193a-5p	Down	-1.79	0.034
hsa-miR-194-5p	Up	2.19	0.006
hsa-miR-195-3p	Down	-2.88	0.001
hsa-miR-196a-5p	Down	-9.00	0.000
hsa-miR-196b-5p	Down	-4.98	0.000
hsa-miR-1973	Up	Inf	0.000
hsa-miR-199a-5p	Up	2.11	0.005
hsa-miR-199b-5p	Up	3.10	0.000
hsa-miR-19a-3p	Up	3.30	0.000
hsa-miR-19b-3p	Up	3.24	0.000
hsa-miR-202-5p	Up	4.19	0.021
hsa-miR-204-3p	Down	-3.25	0.002
hsa-miR-204-5p	Down	-2.71	0.004
hsa-miR-20a-5p	Up	3.32	0.000
hsa-miR-20b-5p	Up	4.40	0.000
hsa-miR-21-3p	Up	3.07	0.000
hsa-miR-21-5p	Up	2.47	0.000

hsa-miR-210-5p	Down	-2.39	0.010
hsa-miR-2110	Down	-1.90	0.044
hsa-miR-216a-3p	Down	-4.26	0.000
hsa-miR-216b-5p	Up	3.00	0.031
hsa-miR-217-3p	Down	-4.16	0.036
hsa-miR-22-5p	Down	-1.65	0.038
hsa-miR-223-3p	Up	3.57	0.000
hsa-miR-224-5p	Down	-3.04	0.000
hsa-miR-23a-3p	Down	-1.52	0.033
hsa-miR-23b-3p	Down	-2.91	0.000
hsa-miR-23b-5p	Down	-2.93	0.001
hsa-miR-23c	Down	-2.47	0.011
hsa-miR-27b-3p	Down	-1.67	0.010
hsa-miR-27b-5p	Down	-3.65	0.000
hsa-miR-28-3p	Down	-3.12	0.000
hsa-miR-28-5p	Down	-1.87	0.039
hsa-miR-299-3p	Up	3.67	0.000
hsa-miR-299-5p	Up	3.66	0.000
hsa-miR-29c-3p	Up	1.80	0.023
hsa-miR-3059-5p	Down	-4.45	0.001
hsa-miR-3065-5p	Up	3.28	0.015
hsa-miR-3074-3p	Down	-2.94	0.002
hsa-miR-30a-3p	Down	-2.96	0.001
hsa-miR-30b-5p	Up	2.00	0.008
hsa-miR-30c-5p	Down	-1.67	0.021
hsa-miR-30e-3p	Down	-2.18	0.009
hsa-miR-30e-5p	Up	1.60	0.033
hsa-miR-31-3p	Up	Inf	0.013
hsa-miR-31-5p	Up	8.72	0.003
hsa-miR-3136-5p	Up	Inf	0.037
hsa-miR-3143	Up	4.77	0.001
hsa-miR-3164	Down	-3.26	0.035
hsa-miR-3177-3p	Down	-2.28	0.033
hsa-miR-3184-5p	Down	-2.41	0.005
hsa-miR-3191-5p	Down	-4.26	0.013
hsa-miR-32-3p	Up	1.98	0.046
hsa-miR-32-5p	Up	3.95	0.000
hsa-miR-3200-3p	Up	4.63	0.000
hsa-miR-320a-3p	Down	-1.73	0.039
hsa-miR-320b	Down	-2.33	0.010
hsa-miR-323a-3p	Up	1.92	0.028
hsa-miR-328-3p	Down	-2.56	0.003
hsa-miR-335-3p	Down	-1.69	0.046
hsa-miR-335-5p	Up	2.76	0.007
hsa-miR-337-5p	Up	1.78	0.043
hsa-miR-338-3p	Up	1.70	0.039

hsa-miR-340-3p	Down	-1.88	0.023
hsa-miR-345-5p	Up	1.83	0.030
hsa-miR-34c-5p	Up	1.93	0.018
hsa-miR-3605-3p	Down	-2.79	0.002
hsa-miR-3605-5p	Down	-2.20	0.037
hsa-miR-3617-3p	Down	-6.05	0.002
hsa-miR-3617-5p	Down	-3.43	0.001
hsa-miR-362-3p	Up	5.41	0.000
hsa-miR-362-5p	Up	3.01	0.000
hsa-miR-3620-3p	Down	-3.37	0.043
hsa-miR-3622a-5p	Down	#NAME?	0.000
hsa-miR-363-3p	Up	2.57	0.001
hsa-miR-365a-5p	Down	-1.89	0.039
hsa-miR-365b-5p	Down	-2.27	0.006
hsa-miR-3688-3p	Up	2.81	0.007
hsa-miR-369-3p	Up	5.26	0.000
hsa-miR-374a-5p	Up	2.30	0.003
hsa-miR-376a-3p	Up	2.75	0.005
hsa-miR-376a-5p	Up	Inf	0.001
hsa-miR-376b-3p	Up	Inf	0.009
hsa-miR-376b-5p	Up	3.74	0.008
hsa-miR-376c-3p	Up	4.18	0.000
hsa-miR-377-3p	Up	3.36	0.002
hsa-miR-377-5p	Up	4.15	0.000
hsa-miR-378g	Down	-2.85	0.015
hsa-miR-381-3p	Up	2.59	0.001
hsa-miR-382-3p	Up	2.14	0.011
hsa-miR-3909	Down	-1.88	0.032
hsa-miR-3910	Up	3.96	0.015
hsa-miR-3914	Down	-6.72	0.000
hsa-miR-3936	Down	#NAME?	0.005
hsa-miR-409-5p	Up	1.96	0.019
hsa-miR-410-3p	Up	4.29	0.000
hsa-miR-411-5p	Up	2.91	0.000
hsa-miR-423-3p	Down	-1.52	0.029
hsa-miR-423-5p	Down	-1.69	0.042
hsa-miR-424-5p	Up	5.00	0.000
hsa-miR-431-3p	Up	4.04	0.037
hsa-miR-431-5p	Up	2.39	0.013
hsa-miR-4433b-5p	Up	4.09	0.030
hsa-miR-4443	Down	-2.01	0.030
hsa-miR-4485-3p	Up	2.01	0.034
hsa-miR-449a	Up	Inf	0.022
hsa-miR-450a-2-3p	Up	2.00	0.037
hsa-miR-450a-5p	Up	3.22	0.004
hsa-miR-451a	Up	3.44	0.000

hsa-miR-451b	Up	3.35	0.003
hsa-miR-454-3p	Up	2.72	0.001
hsa-miR-455-3p	Up	4.39	0.002
hsa-miR-455-5p	Up	4.25	0.002
hsa-miR-4636	Up	Inf	0.027
hsa-miR-4649-5p	Down	-3.32	0.036
hsa-miR-4662a-5p	Down	-2.33	0.013
hsa-miR-4677-5p	Down	-5.20	0.026
hsa-miR-4746-5p	Down	-2.23	0.024
hsa-miR-4787-3p	Down	-2.98	0.004
hsa-miR-487a-3p	Up	3.04	0.001
hsa-miR-487b-3p	Up	1.82	0.027
hsa-miR-493-3p	Up	1.70	0.038
hsa-miR-494-3p	Up	1.95	0.042
hsa-miR-495-3p	Up	1.63	0.045
hsa-miR-496	Up	Inf	0.012
hsa-miR-497-5p	Up	2.39	0.004
hsa-miR-500a-5p	Up	2.31	0.011
hsa-miR-503-5p	Up	2.09	0.017
hsa-miR-504-5p	Down	-4.48	0.000
hsa-miR-511-5p	Down	-1.99	0.025
miR-517a-3p>hsa-miR-517	Up	Inf	0.007
hsa-miR-539-3p	Up	6.39	0.000
hsa-miR-542-3p	Up	3.79	0.000
hsa-miR-548aq-3p	Up	Inf	0.039
hsa-miR-548ba	Down	-5.06	0.011
hsa-miR-548bc	Up	2.70	0.017
hsa-miR-548d-3p	Up	Inf	0.019
hsa-miR-548d-5p	Up	3.59	0.049
hsa-miR-548e-3p	Up	2.24	0.013
hsa-miR-548k	Up	2.10	0.021
hsa-miR-548n	Up	4.17	0.036
hsa-miR-550a-3p	Up	2.10	0.042
hsa-miR-5680	Down	-2.77	0.029
hsa-miR-576-3p	Up	1.86	0.026
hsa-miR-582-3p	Down	-2.39	0.014
hsa-miR-590-3p	Up	3.47	0.000
hsa-miR-605-5p	Down	-4.04	0.002
hsa-miR-615-3p	Down	-9.57	0.000
hsa-miR-615-5p	Down	-6.05	0.000
hsa-miR-624-5p	Up	2.40	0.007
hsa-miR-627-5p	Up	Inf	0.045
hsa-miR-6507-3p	Down	#NAME?	0.019
hsa-miR-6507-5p	Down	#NAME?	0.002
hsa-miR-651-5p	Up	3.17	0.000
hsa-miR-6511a-3p	Down	-2.14	0.040

hsa-miR-6511a-5p	Down	#NAME?	0.004
hsa-miR-6511b-3p	Down	-2.30	0.016
hsa-miR-6511b-5p	Down	-3.68	0.004
hsa-miR-6516-3p	Up	Inf	0.021
hsa-miR-655-3p	Up	5.32	0.000
hsa-miR-656-3p	Up	2.33	0.006
hsa-miR-659-5p	Down	-2.08	0.024
hsa-miR-660-3p	Up	Inf	0.001
hsa-miR-660-5p	Up	2.68	0.001
hsa-miR-665	Up	2.47	0.021
hsa-miR-671-3p	Down	-2.37	0.003
hsa-miR-6716-3p	Down	-2.78	0.006
hsa-miR-6746-3p	Down	#NAME?	0.019
hsa-miR-6761-5p	Down	-3.49	0.001
hsa-miR-6766-5p	Down	#NAME?	0.028
hsa-miR-6770-3p	Down	-5.59	0.009
hsa-miR-6784-3p	Down	#NAME?	0.019
hsa-miR-6809-3p	Down	-5.28	0.018
hsa-miR-6809-5p	Down	-4.38	0.012
hsa-miR-6827-5p	Down	-3.25	0.025
hsa-miR-6853-3p	Down	-5.27	0.018
hsa-miR-6866-5p	Down	-2.54	0.020
hsa-miR-6873-3p	Down	-2.52	0.008
hsa-miR-6874-3p	Down	-3.53	0.031
hsa-miR-708-5p	Up	5.05	0.000
hsa-miR-7156-5p	Down	#NAME?	0.019
hsa-miR-744-5p	Down	-2.35	0.006
hsa-miR-758-3p	Up	1.86	0.033
hsa-miR-760	Down	-5.13	0.000
hsa-miR-7706	Down	-3.94	0.000
hsa-miR-874-5p	Up	2.27	0.037
hsa-miR-877-3p	Down	-4.46	0.014
hsa-miR-889-3p	Up	1.94	0.018
hsa-miR-92b-3p	Down	-2.42	0.004
hsa-miR-92b-5p	Down	-3.16	0.003
hsa-miR-93-5p	Up	2.11	0.006
hsa-miR-937-3p	Down	-3.27	0.037
hsa-miR-96-5p	Up	4.98	0.000
hsa-miR-9983-3p	Up	3.66	0.002
hsa-miR-99a-3p	Up	1.74	0.043
hsa-miR-99b-3p	Down	-2.73	0.002
hsa-miR-99b-5p	Down	-2.82	0.000
novel102_mature	Down	-3.72	0.010
novel108_mature	Down	#NAME?	0.000
novel11_mature	Down	-4.35	0.002
novel121_mature	Up	2.58	0.008

novel125_mature	Down	-4.46	0.003
novel128_mature	Down	#NAME?	0.030
novel145_mature	Up	Inf	0.011
novel153_mature>novel373_mature	Down	-3.42	0.007
novel15_mature	Down	#NAME?	0.049
novel163_mature	Down	-5.56	0.001
novel169_mature	Down	-3.68	0.041
novel182_mature	Down	#NAME?	0.012
novel199_mature	Down	-4.05	0.035
novel1_mature	Down	-1.68	0.041
novel204_mature	Down	-5.94	0.003
novel210_mature	Down	#NAME?	0.030
novel222_mature	Down	-3.56	0.001
novel236_mature	Down	-3.94	0.010
novel237_mature	Down	-3.14	0.049
novel240_mature>novel244_mature	Down	-4.04	0.027
novel264_mature	Down	-3.85	0.024
novel270_mature>novel271_mature	Down	#NAME?	0.019
novel273_mature	Down	-6.32	0.001
novel281_mature>novel324_mature	Down	#NAME?	0.030
novel294_mature	Down	-2.35	0.039
novel296_mature	Up	3.72	0.010
novel29_mature	Down	-4.78	0.020
novel2_mature	Down	-2.92	0.003
novel301_mature	Down	#NAME?	0.028
novel306_mature	Down	#NAME?	0.019
novel317_mature	Down	#NAME?	0.048
novel323_mature	Down	-2.77	0.041
novel328_mature	Down	-6.28	0.011
novel337_mature	Down	-3.60	0.049
novel345_mature	Down	-9.53	0.000
novel346_mature	Up	3.93	0.041
novel390_mature	Down	-1.63	0.026
novel400_mature	Down	#NAME?	0.003
novel412_mature	Down	-3.23	0.005
novel414_mature	Down	#NAME?	0.019
novel416_mature	Down	-5.57	0.014
novel419_mature	Down	#NAME?	0.002
novel421_mature	Down	#NAME?	0.018
novel42_mature>novel47_mature	Up	Inf	0.020
novel4_mature	Down	-2.51	0.012
novel53_mature	Down	-5.22	0.026
novel5_mature	Down	-2.83	0.017
novel60_mature	Down	-3.27	0.030
novel71_mature	Up	2.52	0.048
novel72_mature	Down	-4.45	0.027

novel85_mature	Down	-7.69	0.000
novel85_star	Down	-5.24	0.019
novel8_mature	Up	2.84	0.020
novel9_mature	Down	-3.05	0.038