

**A dynamic microRNA profile that tracks a chemotherapy resistance phenotype in osteosarcoma. Implications for novel therapeutics.**

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**Supplementary Materials**

**Supplementary Table 1.** Demographic and clinical characteristics of patients included in the MGH and Longwood cohorts.

Sample	Dataset	miRNA	miRNA - biopsy	miRNA - resection	Chemo-resistant	Sex	Necrosis (%)	Recurrence	Recurrence Free Survival (months)	Death	Survival Time (months)
A	MGH	yes	no	no	yes	M	75	no	133	no	133
E	MGH	yes	no	no	yes	F	85	yes	3	yes	22
I	MGH	yes	no	no	yes	M	75	yes	15	yes	69
L	MGH	yes	no	no	yes	M	85	no	143	no	143
R	MGH	yes	no	no	yes	M	50	yes	18	yes	25
U	MGH	yes	no	no	yes	M	0	yes	61	yes	62
V	MGH	yes	no	no	yes	M	60	yes	11	yes	59
B	MGH	yes	no	no	no	M	NA	no	207	no	207
G	MGH	yes	no	no	no	M	NA	no	76	no	76
J	MGH	yes	no	no	no	M	NA	yes	10	no	162
K	MGH	yes	no	no	no	M	NA	no	72	no	72
M	MGH	yes	no	no	no	M	NA	no	78	no	78
N	MGH	yes	no	no	no	M	NA	no	63	no	63
O	MGH	yes	no	no	no	F	NA	yes	16	yes	16
1	Longwood	yes	yes	no	yes	M	60	yes	NA	yes	NA
2	Longwood	yes	yes	no	yes	M	65	no	28	no	28
3	Longwood	yes	yes	no	yes	M	50	yes	NA	yes	NA
4	Longwood	yes	yes	yes	yes	F	15	no	34	no	34
5	Longwood	yes	yes	no	yes	F	70	yes	9	no	12
6	Longwood	yes	yes	no	yes	F	80	no	50	no	50
7	Longwood	yes	yes	no	yes	M	70	yes	13	yes	40
8	Longwood	yes	no	no	yes	F	30	no	66	no	66
9	Longwood	yes	yes	no	yes	F	40	yes	34	no	136
10	Longwood	yes	yes	no	yes	F	30	no	124	no	124
11	Longwood	yes	yes	no	yes	F	40	yes	59	no	77
12	Longwood	yes	yes	no	yes	F	65	no	50	no	50
13	Longwood	yes	yes	no	yes	F	80	yes	65	no	75
14	Longwood	yes	yes	yes	yes	F	50	yes	9	yes	13
15	Longwood	yes	yes	no	yes	M	20	yes	14	yes	23
16	Longwood	yes	yes	no	yes	F	50	yes	14	yes	20
17	Longwood	yes	yes	no	yes	M	20	yes	28	no	33
18	Longwood	yes	yes	no	yes	M	50	no	0	no	0
19	Longwood	yes	yes	no	yes	M	77.5	yes	14	no	69
20	Longwood	yes	yes	yes	yes	M	40	no	6	no	6
21	Longwood	yes	no	no	yes	F	80	yes	26	yes	26
22	Longwood	yes	yes	yes	yes	F	5	yes	25	yes	25
23	Longwood	yes	no	no	yes	F	22.5	no	59	no	59
24	Longwood	yes	no	no	yes	F	50	yes	11	no	25
25	Longwood	yes	yes	no	yes	M	20	yes	3	yes	6
26	Longwood	yes	yes	yes	yes	M	50	no	32	no	32

**Supplementary Table 2.** CDCRP miRNA – gene target Pearson correlations in the TARGET and Longwood datasets. Included as a separate file.

**Supplementary Figure 1.** CDCRP expression profile in the MGH untreated pairs. Hierarchical clustering of the MGH untreated cohort using expression levels of the CDCRP miRNAs. Note that the CDCRP profile was not expected to differentiate between these untreated samples.

