

Olmeda et al. Supplementary Table S4

Log2(FC)	WM164 - MDK/NEG			SK-Mel-147 shM1/shC			SK-Mel-147 shM5/shC					
	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3	Replicate 1	Replicate 2	Replicate 3	mTOR	Inflammation	Cell Cycle
Gene												
PHGDH	6.738	6.475	6.471	-3.026	-3.848	-3.186	-2.890	-3.224	-2.761			
SLC6A9	4.641	4.218	4.431	-2.183	-2.749	-1.805	-1.560	-1.039	-1.527			
CADM3	4.556	4.293	4.123	-1.737	-1.610	-1.159	-1.630	-2.139	-1.995			
H0XB9	4.239	4.107	4.134	-1.258	-1.442	-1.564	-1.439	-1.657	-1.358			
CLDN1	3.763	3.829	3.980	-1.694	-1.562	-1.227	-1.211	-1.312	-1.961			
ULBP1	4.010	3.668	3.865	-2.180	-1.812	-1.780	-1.379	-0.773	-1.015			
CHAC1	3.944	3.626	3.768	-2.016	-2.441	-1.973	-1.647	-1.242	-1.535			
SESN2	3.954	3.640	3.702	-0.428	-0.804	-0.832	-0.732	-0.645	-0.994			
STC2	3.868	3.619	3.765	-1.139	-1.140	-1.157	-0.762	-0.826	-0.894			
CTH	3.684	3.586	3.875	-1.233	-0.876	-1.163	-0.793	-1.173	-0.642			
DDIT4	3.874	3.584	3.656	-1.531	-1.485	-1.383	-1.165	-1.175	-1.227			
ASNS	3.633	3.652	3.695	-1.916	-1.971	-1.999	-1.394	-1.307	-1.388			
SULT1E1	3.473	3.651	3.729	-1.285	-1.139	-0.769	-1.622	-1.875	-1.407			
LURAP1L	3.599	3.523	3.588	-0.833	-0.691	-1.313	-1.014	-1.049	-0.554			
SLC7A11	3.376	3.405	3.652	-1.020	-0.841	-1.104	-0.788	-1.144	-0.995			
PSAT1	3.341	3.359	3.461	-2.020	-1.843	-1.978	-1.491	-1.250	-1.336			
TRIB3	3.395	3.092	3.089	-0.706	-0.919	-0.680	-0.714	-0.504	-0.752			
SLC3A2	3.160	2.880	2.963	-0.751	-0.903	-0.761	-0.622	-0.549	-0.673			
CCL20	2.786	2.657	2.865	-1.141	-1.390	-1.300	-0.793	-0.816	-0.938			
GGT5	2.936	2.655	2.606	-0.713	-1.078	-0.661	-0.714	-1.473	-1.117			
ADM2	2.835	2.615	2.622	-1.083	-1.380	-1.343	-0.808	-0.755	-0.777			
PCK2	2.693	2.503	2.420	-1.054	-1.125	-1.033	-0.982	-0.767	-0.960			
ABI3BP	2.398	2.488	2.601	-0.907	-1.003	-0.853	-0.891	-1.108	-0.817			
MTHFD2	2.403	2.435	2.504	-1.140	-1.085	-1.208	-0.874	-0.956	-0.954			
VEGFA	2.605	2.353	2.368	-0.697	-0.874	-0.973	-0.533	-0.550	-0.823			
IL6	2.704	2.145	2.441	-1.619	-1.575	-1.396	-0.847	-0.870	-0.623			
RNF144B	2.388	2.310	2.517	-0.789	-0.834	-0.665	-0.621	-0.791	-0.698			
SLC7A5	2.515	2.231	2.343	-0.939	-1.276	-1.234	-0.980	-0.822	-1.061			
NAV3	2.132	2.196	2.672	-0.709	-0.780	-0.730	-0.645	-0.553	-0.657			
MGC16121	2.316	2.368	2.302	-1.500	-2.391	-1.634	-1.297	-1.619	-1.620			
CXCL5	2.337	2.318	2.300	-2.026	-1.839	-1.688	-1.199	-1.452	-0.960			
SLC4A5	2.336	2.342	2.265	-0.855	-1.227	-0.973	-1.012	-1.095	-0.969			
GPT2	2.284	2.117	2.145	-0.910	-0.903	-0.986	-0.850	-0.620	-0.877			
SLC1A5	2.273	2.087	2.171	-0.978	-1.211	-1.044	-0.833	-0.875	-0.979			
PMAI1P1	2.086	2.102	2.202	-0.583	-0.591	-0.649	-0.686	-0.464	-0.722			
PSTPIP2	2.038	1.984	2.225	-1.032	-1.013	-0.964	-0.840	-0.788	-0.575			
CYFIP2	2.124	1.997	1.912	-0.835	-0.808	-0.544	-0.533	-0.647	-0.746			
EFNB1	2.168	1.898	1.954	-0.693	-0.777	-0.594	-0.515	-0.635	-0.708			
AOX1	2.050	2.021	1.938	-0.638	-0.669	-0.507	-0.754	-0.731	-0.641			
GLIPR1	1.897	1.901	2.111	-0.952	-0.841	-0.725	-0.917	-0.686	-0.636			
TLR3	1.826	1.891	2.170	-1.027	-0.351	-0.399	-0.425	-0.812	-0.736			
ICAM1	2.071	1.810	1.960	-0.647	-0.736	-0.598	-0.529	-0.753	-0.701			
EIF4EBP1	2.122	1.792	1.734	-0.739	-0.975	-0.926	-0.924	-0.622	-0.838			
FGL1	2.106	1.303	1.872	-0.984	-0.621	-1.220	-1.355	-1.204	-1.296			
NUPR1	1.906	1.603	1.487	-0.994	-1.146	-1.258	-0.862	-0.679	-0.827			
GARS	1.661	1.630	1.688	-0.816	-0.792	-0.806	-0.652	-0.585	-0.656			
TMEM154	1.483	1.650	1.730	-1.047	-0.784	-0.581	-0.757	-1.189	-0.780			
MRGPRX3	1.326	1.678	1.747	-1.019	-1.417	-1.030	-0.588	-0.893	-0.951			
GPX8	1.624	1.573	1.545	-1.254	-1.230	-0.993	-1.311	-1.833	-1.014			
CBS	1.715	1.513	1.483	-1.155	-1.263	-1.349	-0.931	-0.732	-1.012			
TLR2	1.631	1.155	1.837	-1.328	-1.049	-1.034	-0.707	-0.929	-0.550			
JDP2	1.564	1.410	1.434	-1.173	-1.138	-1.246	-0.861	-0.932	-0.907			
LST1	1.194	1.633	1.562	-1.234	-0.964	-1.054	-1.035	-0.665	-0.446			
ANXA3	1.565	1.317	1.142	-0.614	-0.734	-0.503	-0.877	-0.721	-0.755			
SLC16A6	1.170	1.492	1.312	-0.732	-0.888	-1.136	-0.567	-0.835	-1.160			
PLD6	1.342	1.219	1.015	-0.754	-0.633	-1.035	-0.986	-0.673	-0.422			
LPCAT2	1.011	1.238	1.166	-0.840	-0.727	-0.664	-0.797	-0.410	-0.578			
FAM107A	1.092	1.011	1.102	-1.068	-1.146	-0.830	-0.955	-1.494	-1.085			
HNMT	1.100	1.133	0.876	-1.145	-0.958	-0.726	-0.929	-0.577	-0.488			
NSUN5	1.199	0.871	1.031	-0.323	-0.654	-1.132	-0.362	-0.910	-0.844			
C6orf115	1.013	0.739	0.989	-1.039	-0.665	-0.708	-0.661	-0.620	-0.567			
CRTAC1	0.902	0.949	0.553	-0.451	-1.066	-0.522	-0.863	-0.334	-0.891			
APLN	0.884	0.535	0.694	-1.694	-2.019	-1.565	-1.577	-1.709	-1.613			
CENPQ	-0.640	-0.554	-0.819	0.618	0.650	0.716	0.668	0.730	0.564			
PRICKLE4	-0.876	-0.868	-0.908	0.611	0.768	0.662	0.779	0.818	0.223			
SETBP1	-1.143	-0.758	-1.223	0.963	0.941	0.787	0.809	1.024	0.649			
TUBD1	-1.053	-0.956	-1.123	0.507	0.715	0.759	0.396	0.626	0.890			
ALDH3A2	-1.096	-0.995	-1.056	0.653	0.752	0.566	0.746	0.742	0.744			
GIA4	-1.596	-0.896	-1.109	1.539	1.305	1.356	0.993	0.849	0.837			
UCP2	-1.571	-0.950	-1.157	1.121	1.133	0.767	0.421	1.059	1.034			
RDH10	-1.335	-1.213	-1.149	0.964	1.024	0.942	0.730	0.674	0.663			
PDK4	-1.475	-1.872	-1.045	0.732	0.705	0.505	0.571	0.794	0.839			
RADIL	-1.175	-1.606	-1.624	0.937	0.512	0.835	0.774	0.601	0.511			
ATAD5	-1.714	-1.031	-1.676	0.688	0.968	0.659	0.639	0.737	0.509			
KHK	-1.708	-1.406	-1.514	0.864	0.641	0.409	0.373	0.742	0.729			
GAB1	-1.709	-1.535	-1.450	0.689	0.723	0.685	0.607	0.546	0.710			
PARD6G	-1.572	-1.557	-1.607	0.815	0.782	0.622	0.566	0.622	0.748			
DCLK1	-1.968	-1.383	-1.440	0.847	1.210	0.981	0.801	0.694	0.647			
PPAP2A	-1.674	-1.563	-1.735	1.120	1.073	0.936	0.676	0.760	0.707			
DTX4	-2.030	-1.762	-1.837	1.300	1.227	1.235	0.992	1.128	0.963			
PSG1	-1.547	-2.012	-2.131	1.599	1.158	1.314	1.227	0.752	0.906			
HCRTR1	-2.605	-1.760	-1.904	1.097	1.058	1.126	0.587	0.686	0.586			
ABCA4	-2.382	-2.188	-2.062	1.237	1.183	1.044	1.232	1.239	0.976			
SCNN1B	-2.253	-2.525	-1.990	1.073	0.765	0.585	1.403	1.188	1.238			
CLEC4M	-2.547	-2.239	-2.233	1.045	1.032	0.703	0.641	1.358	1.181			
SESN3	-2.868	-1.998	-2.410	1.026	1.034	0.799	0.830	0.769	0.845			
RCN3	-2.492	-2.271	-3.020	1.182	1.021	0.938	0.884	0.701	0.621			
CA2	-2.824	-2.784	-2.950	0.775	1.432	0.694	1.003	0.830	1.063			
FAM111B	-3.465	-2.966	-2.936	0.685	1.008	0.795	0.565	0.647	0.770			
GUCY1A3	-3.299	-3.539	-3.611	1.122	1.082	0.879	0.981	0.964	0.898			
NTS	-4.967	-2.854	-2.832	1.206	1.216	1.025	0.934	1.140	1.378			

Table S4. MDK-induced changes in the LEC transcriptome. Data corresponds to gene lists and the corresponding expression changes shown in the heatmap of Fig. 5b. Genes with the indicated functions are labeled in red in the right table.