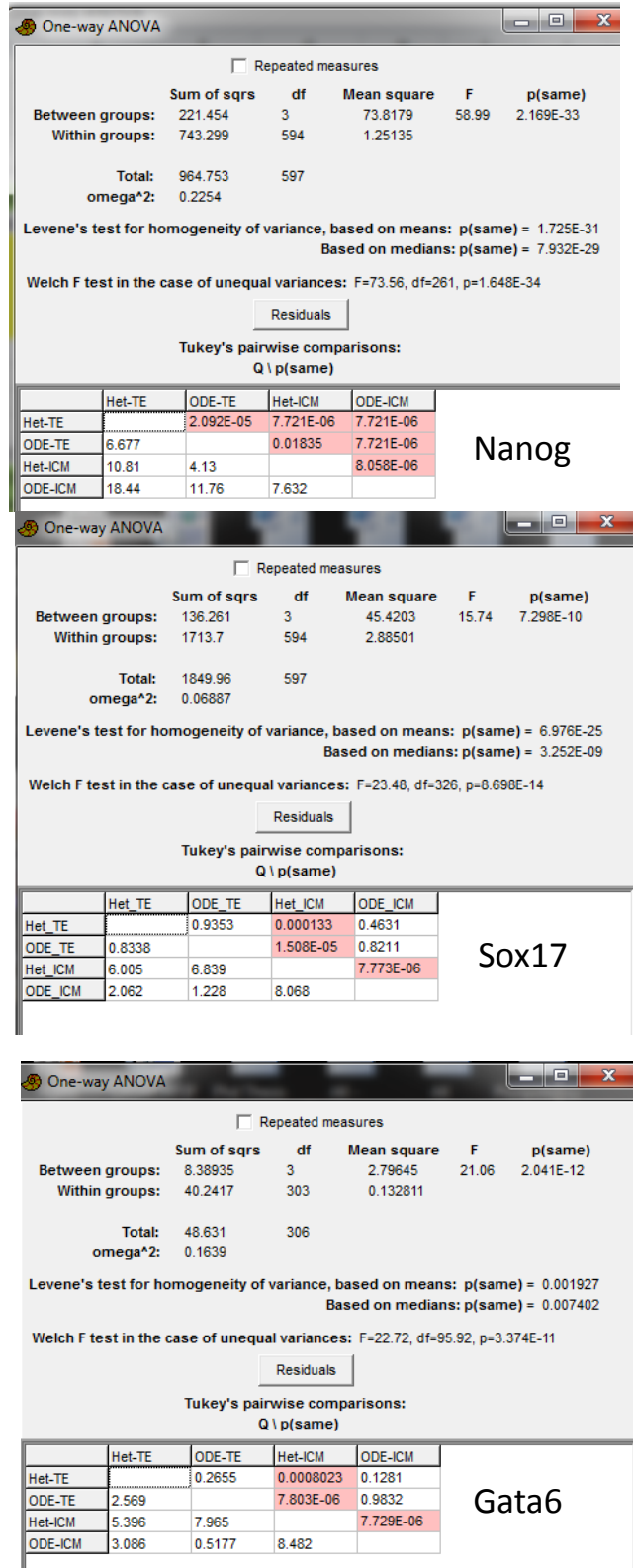


## Supplementary Fig. 1A

Nanog

Het-TE	ODE-TE	Het-ICM-L	ODE-ICM-L
0.363194	1.082075	0.685532	0.577389
0.374026	1.154777	0.602411	0.434131
0.393562	0.771611	0.512466	0.39672
0.282279	2.585896	0.740673	0.353926
0.22439	4.89E-01	0.398599	0.870564
0.536897	0.669427	0.383421	0.328694
0.485805	1.724249	0.366824	0.287812
0.18843	0.742129	0.79909	0.12849
0.644631	0.466561	0.429263	0.626797
0.498863	0.264804	0.624977	0.782029
0.301206	3.104732	0.741128	0.298007
0.380205	0.745405	0.376943	0.638308
0.388412	0.79859	0.819973	0.865105
0.431146	0.500546	0.77202	0.377611
0.407957	0.952366	0.618471	0.759873
0.574659	1.10E+00	0.812329	0.751865
0.392234	0.32939	0.768289	0.490992
1.492539	2.065605	0.611101	0.464149
0.481483	0.357157	0.626251	0.797998
0.460646	0.457234	0.544495	0.303753
0.400901	1.172884	0.729072	0.687079
0.521065	1.515378	0.588126	0.725205
0.748863	2.935942	0.448116	0.272607
0.426215	0.967106	0.608872	0.834713
0.439459	0.732848	0.415177	0.888763
0.347229	1.092857	0.381583	0.401756
0.403003	1.097907	0.609736	0.548544
0.345364	2.758417	0.216146	1.788854
1.061374	4.88808	0.46242	2.11283
0.480073	2.270337	0.860191	2.305187
0.472839	0.323685	0.334327	2.112739
0.618471	1.241538	0.415328	2.058826
0.381456	0.569199	0.525569	5.839854
0.523885	1.543358	0.606733	5.834395
0.511783	0.256374	0.259754	1.593767
0.199377	0.236146	0.700546	3.909418
1.083803	2.915696	0.803822	2.799864
0.415446	0.610009	0.464786	4.083394
0.456142	1.664513	0.694904	3.82889
3.278298	0.700182	0.865605	3.21465
0.685714	0.54172	0.30172	4.268608
0.852184	1.297771	0.207743	5.139217
0.337743	1.541902	0.727116	3.888217
0.404827	1.861237	0.521201	3.03253
0.594813	0.776752	0.531893	2.605096
0.538444	2.426888	0.615105	3.679618
0.414181	0.367079	0.608917	4.40141

# Supplementary Fig. 1B



**Fig. S1. QIF data used to generate plots presented in Fig. 1G-I.** (A) Raw data. (B) ANOVA analysis. Each set of values represents the population of cells measured for immunofluorescence of the marker (Nanog, Gata6 or Sox17). Het refers to heterozygous embryos generated from crosses between ODE females and *Oct4* heterozygous males; ODE refers to the null embryos from this cross (see Fig. 1C).