

Supplementary information, Table S11. Summary of quality control metrics for sequencing data used in this study.

Sequence	Sample	Replicate No.	Reads	Aligned reads
	PDX-1	1	190645696	190441705
	PDX-2	1	192151036	191941591
	PDX-3	1	202751678	202534734
		1	191661792	191615793
		2	196997736	196958336
	PDX1-siNC	3	191097192	191057062
		4	203905402	203825879
		5	237071418	236978960
		6	198729166	198667560
		1	187059144	187006767
		2	206351726	206271249
	PDX1-siZNF689	3	199283876	199228077
		4	177301174	177237346
		5	180004752	179952551
		6	189391782	189327389
		1	215009328	214925474
		2	247901558	247824709
	LM2-shNC	3	200239644	200179572
		4	204136164	204066758
WES		5	197753428	197676304
		6	178902768	178832996
		1	210330444	210254725
		2	184431838	184387574
	LM2-shZNF689-1	3	215212464	215134988
		4	212165448	212103920
		5	175601386	175550462
		6	211519948	211456492
		1	220788104	220706412
		2	186512158	186463665
	LM2-shZNF689-2	3	193303216	193239426
		4	189030462	188943508
		5	190509420	190456077
		6	218719342	218649352
		1	179238320	179184549
		2	177746966	177690087
	LM2-pCDH	3	197063064	196996063
		4	184635892	184567577
		5	188062874	188021500
		6	183224374	183163910

		1	204648290	204578710
		2	184437536	184369294
	LM2-	3	186265728	186204260
	ZNF689-OE	4	187962682	187887497
		5	178238902	178197907
		6	218915322	218834323
		1	183937752	183884410
		2	183334608	183255774
	LM2-	3	218039996	217978945
	shNC+Veh	4	185071576	185010502
		5	201343170	201292834
		6	178332950	178268750
		1	202728084	202667266
		2	212615630	212543341
	LM2-	3	180261480	180212809
	shZNF689+Veh	4	197806486	197733298
		5	199824034	199772080
		6	185835182	185762706
		1	199103568	199043837
		2	195780032	195731087
	LM2-	3	211655002	211589389
	shNC+EFV	4	182580008	182523408
		5	180947262	180894787
		6	190948618	190887514
		1	194970670	194925827
		2	196902568	196835621
	LM2-	3	191726740	191680726
	shZNF689+EFV	4	186206136	186142826
		5	186271306	186217287
		6	195181982	195123427
		1	73048914	70716141
	LM2-siNC	2	79309198	76967972
		3	79711624	77336715
RNA-seq		1	68790274	66455721
	LM2-siZNF689	2	78092984	75676551
		3	66787876	64522407
	Flag-ZNF689 in	1	60659798	58080398
	Flag-ZNF689 LM2 cells			
	TRIM28 in	1	68667196	66157672
	Flag-ZNF689 LM2 cells			
ChIP-seq	H3K9me3 in	1	62594178	60152170
	Flag-ZNF689 LM2 cells			
	H3K9me3 in	1	57539604	55328108
	shNC LM2 cells			

	H3K9me3 in shZNF689 LM2 cells	1	65857464	62984436
	TRIM28 in shNC LM2 cells	1	60235132	58220138
	TRIM28 in shZNF689 LM2 cells	1	80405594	78028834
ATAC-seq	LM2-shNC	1	47049558	45801866
	LM2-shZNF689	1	63292906	62055314
