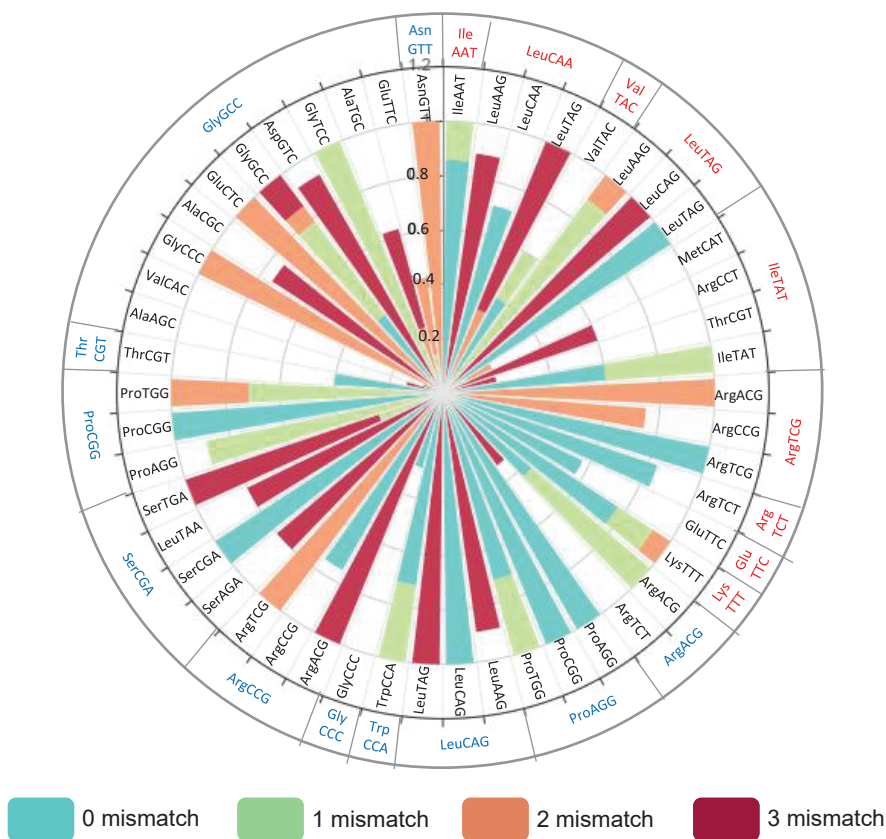


Figure1- figure supplement 1

**A**



# B

	tRNA	sgRNA score	Editing site position	Anticodon position	Editing site position from anticodon
Proliferation tRNAs	Ile-AAT	97	42	35	-7
	Leu-CAA	56	20	35	15
	Val-TAC	88	41	34	-7
	Leu-TAG	90	33	35	2
	Ile-TAT	81	65	35	-30
	Arg-TCG	86	32	34	2
	Arg-TCT	92	25	34	9
	Glu-TTC	66	38	34	-4
Differentiation tRNAs	Lys-TTT	70	66	33	-33
	Arg-ACG	89	60	34	-26
	Pro-AGG	89	31	33	2
	Leu-CAG	93	33	35	2
	Trp-CCA	91	63	33	-30
	Gly-CCC	33	52	33	-19
	Arg-CCG	85	32	34	2
	Ser-CGA	89	41	34	-7
	Pro-CGG	88	31	33	2
	Thr-CGT	92	29	33	4
Gly-GCC	88	64	33	-31	

**C**

sgRNA	gene name	num of mismatches	total exons	targeted exon
Arg-ACG	RO60	2	8	1
Gly-CCC	ZEB1	3	9	1
Gly-GCC	GLB1L3	2	20	1
Gly-GCC	RTN4RL1	3	2	1
Leu-CAA	PLD5	2	9	1
Thr-CGT	OPALIN	3	7	1
Pro-AGG	PTPRU	3	30	3
Gly-GCC	CMTR2	2	3	3
Leu-CAG	TMEM167B	3	3	3
Leu-CAA	PCDH1	2	5	4
Lys-TTT	ARL8A	3	6	6
Leu-CAA	NRCAM	3	31	7
Trp-CCA	AGBL2	3	19	10
Leu-CAA	CYTH2	3	12	11
Pro-CGG	NPAS3	3	12	12
Lys-TTT	TMC8	3	16	16
Lys-TTT	MAPK8IP3	3	32	21
Arg-CCG	LRRC7	3	26	26
Leu-TAG	HYDIN	3	86	64
Arg-ACG	HSPG2	3	97	92