

TALEN Design

RVD position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Target site
tAR2 Left	NN	NI	NI	HD	NI	NG	NG	HD	HD	NG	NN	HD	HD	NG	NN	gaacattcctgcctggctgacatgtggactctctgaaattgtat
tAR2 Right	NI	NG	NI	NI	HD	NI	NI	NG	NG	NG	HD	NI	NN	NI	NN	

Table S1: Repeat variable dinucleotide (RVD) modules used to create tAR2 left and right TALENs.

Sample ID	Type	Mean Per-Base Read Coverage of AR	AR Copy Number	AR bases with zero coverage	AR bases with coverage
22Rv1-undup1	met	347	1	36377	150211
22Rv1-undup3	met	325	1	39932	146656

Table S2: Mean per-base read coverage and copy number of the AR gene for 22Rv1 sub-lines.

Cell line	Replicate	Chromosome	Position	Reference (calls)	Alternate (calls)	VAF
22Rv1-undup1	1	X	66943543	C (19)	T (580)	0.96828
22Rv1-undup1	2	X	66943543	C (14)	T (557)	0.975482
22Rv1-undup3	1	X	66943543	C (8)	T (458)	0.982833
22Rv1-undup3	2	X	66943543	C (7)	T (433)	0.984091

Table S3: Confirmation of 22Rv1 genetic background in undup1, undup3 sub-lines. The presence of the H874Y-encoding C/T mutation in both 22Rv1-undup1 (VAF, replicate 1=96.83%,replicate 2= 97.55%) and 22Rv1-undup3 (VAF, replicate 1=98.29%, replicate 2= 98.41%) was confirmed using Freebayes and Varscan mutation callers.