

# Supplementary Data 1

## Figure 5A Raw data

	Sample No.	LUC	REN	LUC/REN ratio
pRc/CMV	1	523494	9449607	0.05539849
	2	607754	11019331	0.05515344
	3	582346	10466855	0.05563715
pRc/CMV CBF $\beta$	4	705486	10493770	0.06722903
	5	720143	12008225	0.05997081
	6	735368	10813334	0.06800567
pRc/CMV RUNX1	7	948755	11161955	0.08499900
	8	998612	12102578	0.08251234
	9	1084477	13119345	0.08266243
pRc/CMV R174Q	10	167557	5925823	0.02827573
	11	145387	5182322	0.02805441
	12	199403	6060926	0.03289976
pRc/CMV RUNX1-ETO	13	57911	4095586	0.01413986
	14	79885	5250430	0.01521494
	15	65624	4033175	0.01627105
RUNX1 CBF $\beta$	16	443620	3626154	0.12233899
	17	443706	3287601	0.13496346
	18	450323	3734077	0.12059821
R174Q CBF $\beta$	19	34525	571566	0.06040422
	20	36162	598669	0.06040400
	21	34142	768756	0.04441201
RUNX1-ETO CBF $\beta$	22	12255	867797	0.01412197
	23	11267	795770	0.01415861
	24	11702	982927	0.01190526

## Figure 5C Raw data

	Sample No.	LUC	REN	LUC/REN Ratio
C11orf21 WT -	1	1642000	13819414	0.11881835
	2	1400709	12514240	0.11192921
	3	1346775	11625150	0.11585012
C11orf21 WT RUNX1+CBF $\beta$	4	4624304	24583468	0.18810625
	5	4253601	22469390	0.18930647
	6	4337737	22848950	0.18984404
C11ORF21 mt -	7	204247	7684204	0.02658011
	8	200615	8501456	0.02359772
	9	263817	8832382	0.02986929
C11orf21 mt RUNX1+CBF $\beta$	10	3176649	25503564	0.12455706
	11	3430077	26424808	0.12980518
	12	3095009	24482486	0.12641727

# Supplementary Data 2

## Figure 6A Raw data

	Sample No.	LUC	REN	LUC/REN ratio
pRC/CMV pcDNA3.1(-)	1	586325	22812888	0.02570148
	2	686644	24253466	0.02831117
	3	621341	23013668	0.02699878
RUNX1 CBF $\beta$ pcDNA3.1(-)	4	5922449	45435496	0.13034851
	5	6558728	45860528	0.14301466
	6	6085471	45326276	0.13425923
RUNX1 CBF $\beta$ RUNX1-ETO (1+) pcDNA3.1(-)	7	816049	34293912	0.02379574
	8	847226	34002556	0.02491654
	9	996683	38251532	0.02605603
RUNX1 CBF $\beta$ RUNX1-ETO (2+)	10	609591	31683952	0.01923974
	11	701338	34994684	0.02004127
	12	624362	32817908	0.01902504

## Figure 6B Raw data

	Sample No.	LUC	REN	LUC/REN ratio
Control	1	141	7064	0.019960
	2	149	9121	0.016336
	3	150	6560	0.022866
RUNX1 CBF $\beta$	4	142	2182	0.065077
	5	121	2111	0.057319
	6	143	2193	0.065207

## Figure 6C Raw data

	Sample No.	LUC	REN	LUC/REN ratio
pRC/CMV	1	2435730	19469572	0.12510445
	2	2432844	19833382	0.12266410
	3	2392651	19387130	0.12341440
RUNX1	4	5654425	30837828	0.18336003
	5	5614333	30899010	0.18169945
	6	5681955	31469188	0.18055614
RUNX2	7	4456763	19176036	0.23241315
	8	4592261	20185322	0.22750497
	9	4295445	20145390	0.21322223
RUNX3	10	5181372	28911434	0.17921532
	11	5672885	30694420	0.18481812
	12	5849196	30817036	0.18980398