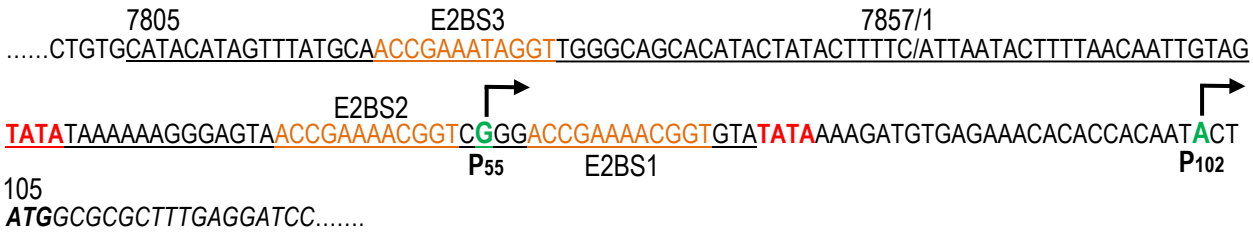
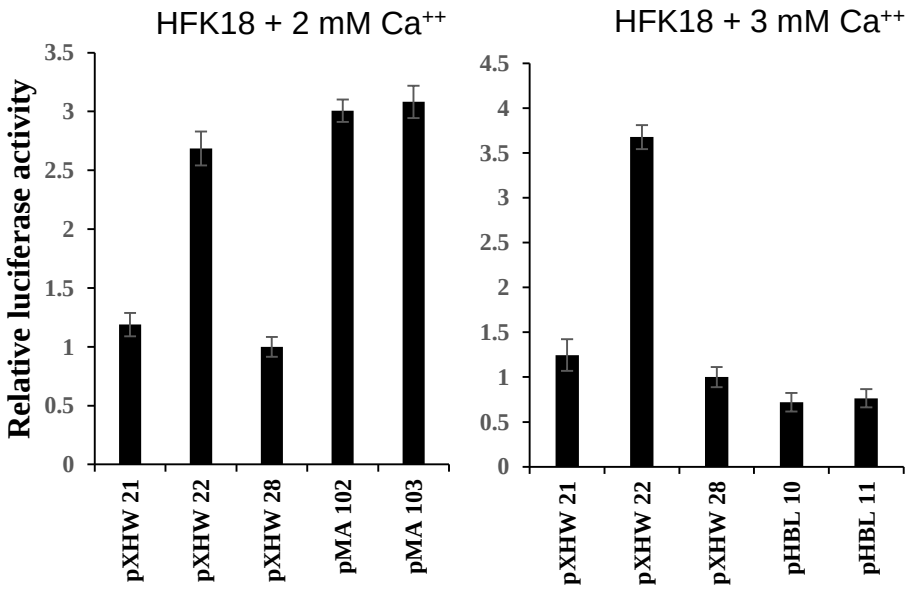
A


7805
E2BS3
7857/1
.....CTGTGCATACATAGTTTATGCAACCGAAATAGGTTGGGCAGCACATACTATACTTTTC/ATTAATACTTTTAACAATTGTAG
E2BS2
TATATAAAAAAGGGAGTAACCGAAAACGGTCGGGACCGAAAACGGTGTATATAAAAGATGTGAGAAACACACCACAATACT
P55
E2BS1
P102
105
ATGGCGCGCTTTGAGGATCC.....

B


HFK18 + 2 mM Ca++
HFK18 + 3 mM Ca++
Relative luciferase activity
3.5
3
2.5
2
1.5
1
0.5
0
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
pXHW 21
pXHW 22
pXHW 28
pMA 102
pMA 103
pXHW 21
pXHW 22
pXHW 28
pHBL 10
pHBL 11

C

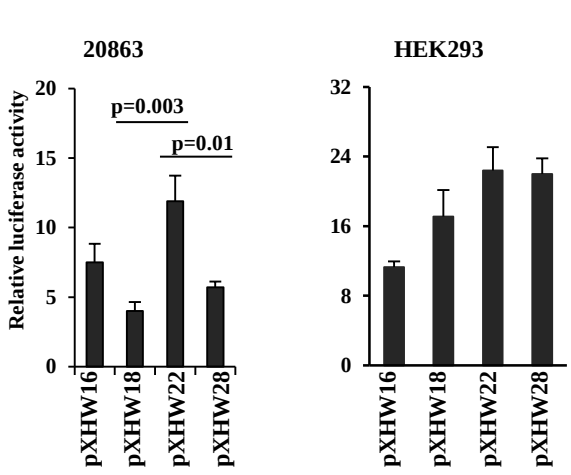

20863
HEK293
Relative luciferase activity
p=0.003
p=0.01
20
15
10
5
0
32
24
16
8
0
pXHW16
pXHW18
pXHW22
pXHW28
pXHW16
pXHW18
pXHW22
pXHW28

Fig S2