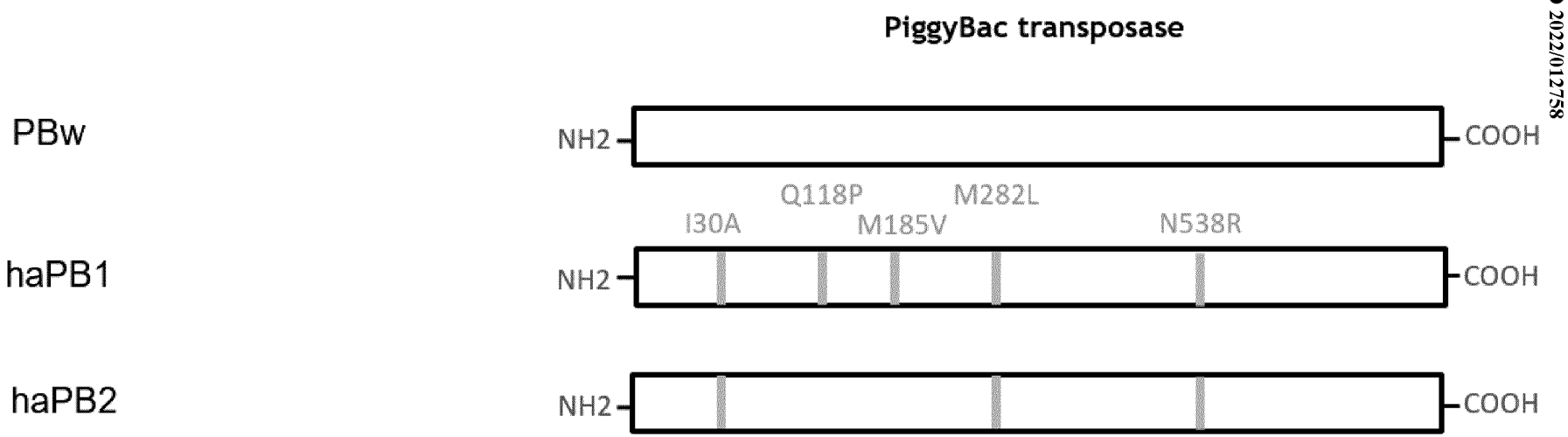
FIGURE 1



WO 2022/012758
PCT/EP2020/070320

FIGURE 2a

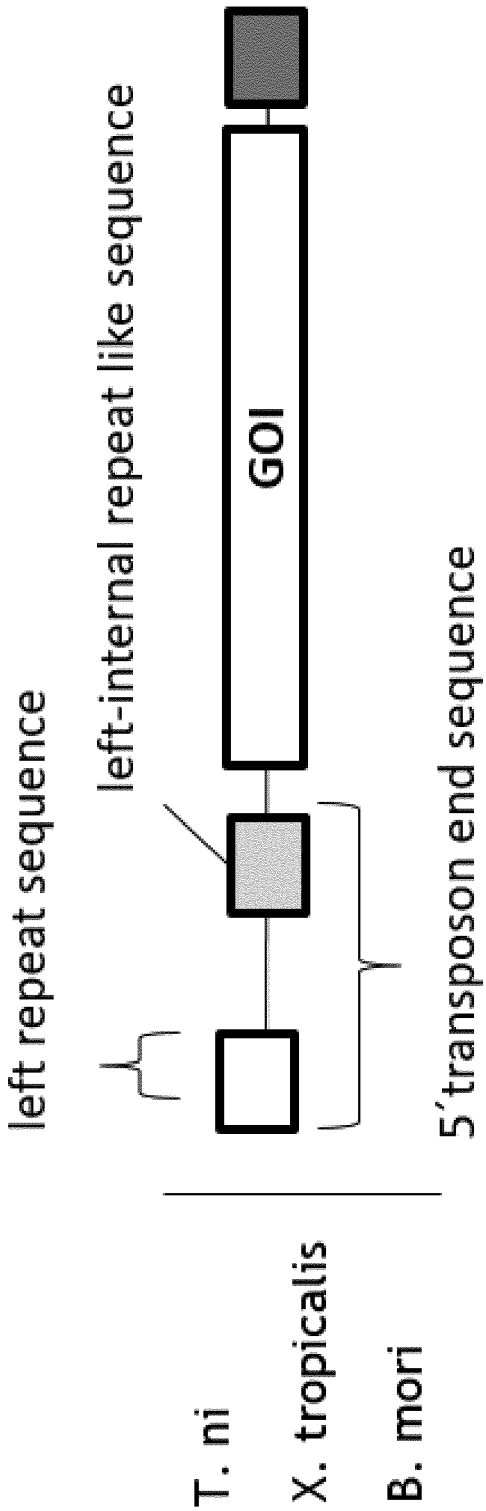
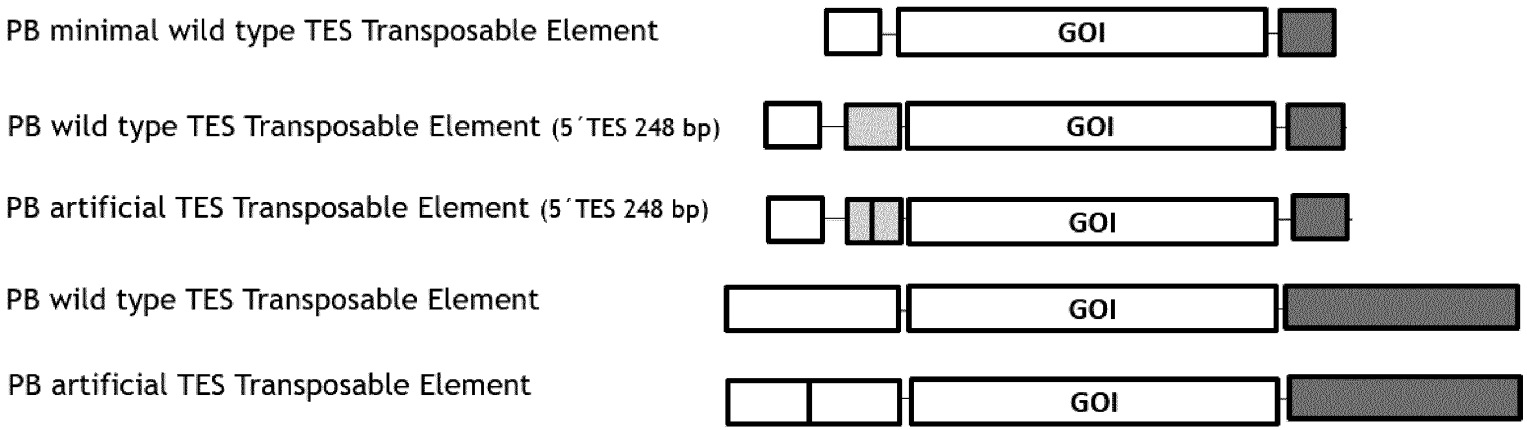

left repeat sequence
left-internal repeat like sequence
GOI
5'transposon end sequence
T. ni
X. tropicalis
B. mori

FIGURE 2b



	wild type minimal 5´ TES	(SEQ ID NO: 11)
	wild type minimal 3´ TES	(SEQ ID NO: 12)
	wild type left intern ITR	(SEQ ID NO: 1)
	artificial left intern ITR	(SEQ ID NO: 28)
	wild type 5´ TES	(SEQ ID NO: 13)
	artificial 5´ TES	(SEQ ID NO: 16)
	wild type 3´ TES	(SEQ ID NO: 14)

FIGURE 3

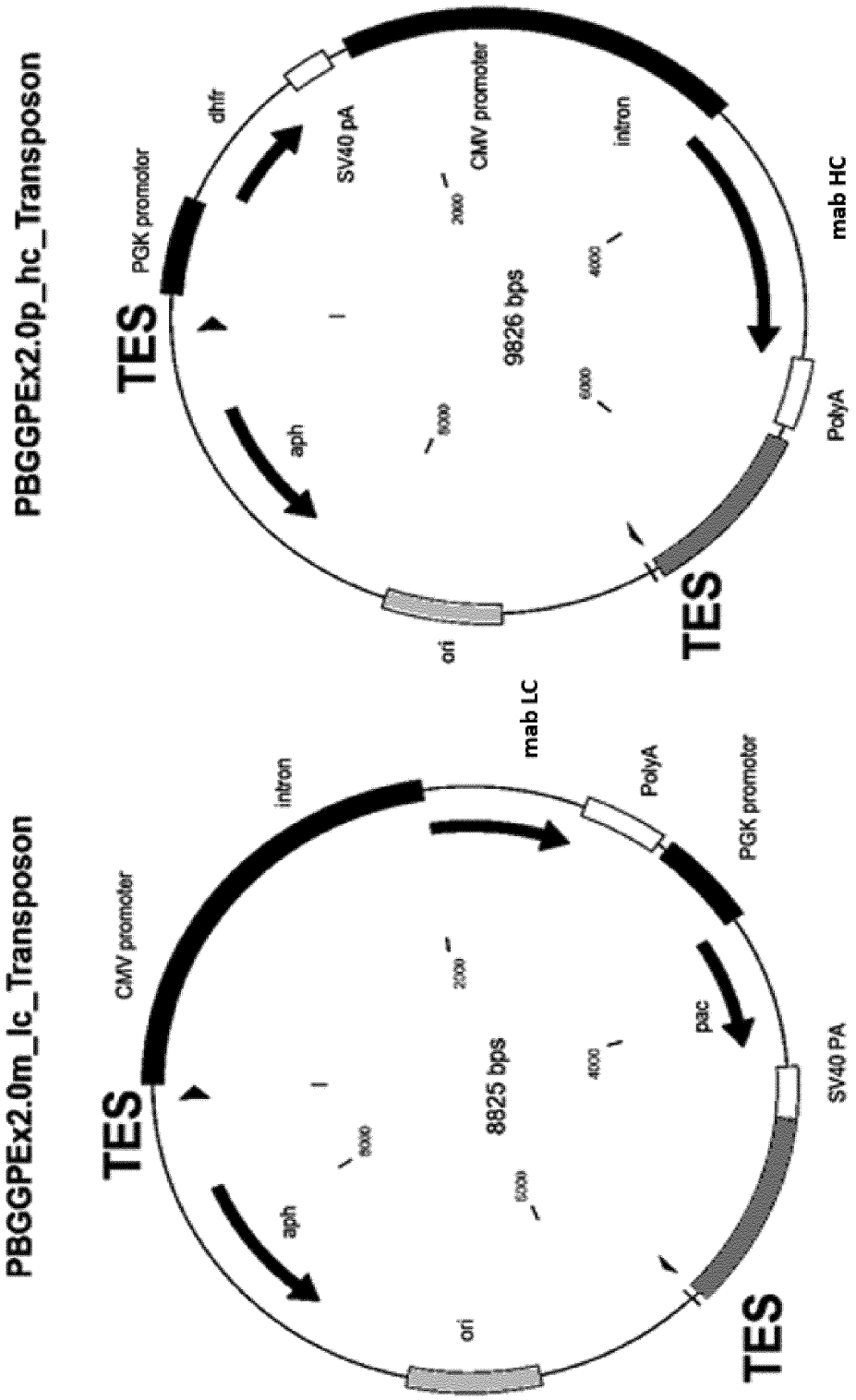

PBGGPEx2.0p_hc_Transposon
TES
PGK promotor
dhfr
SV40 pA
CMV promoter
intron
9826 bps
aph
ori
mab HC
PolyA
TES
PBGGPEx2.0m_lc_Transposon
TES
CMV promoter
intron
mab LC
PolyA
PGK promotor
8825 bps
aph
ori
pac
SV40 PA
TES

FIGURE 4a

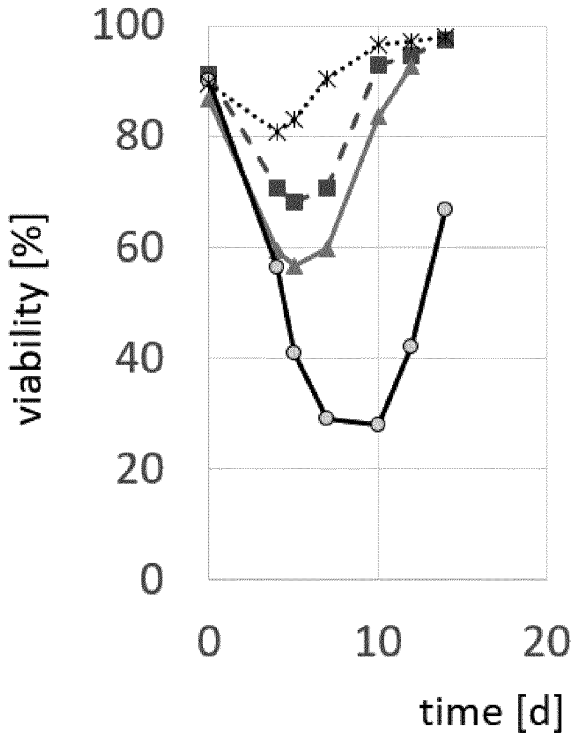


FIGURE 4b

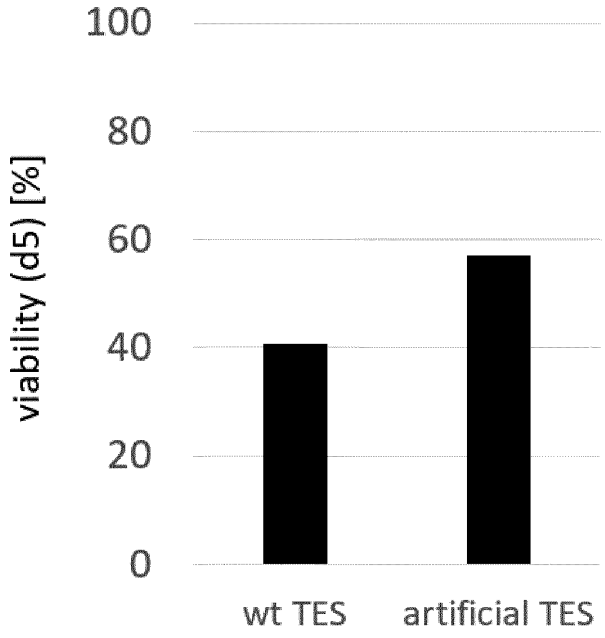


FIGURE 5

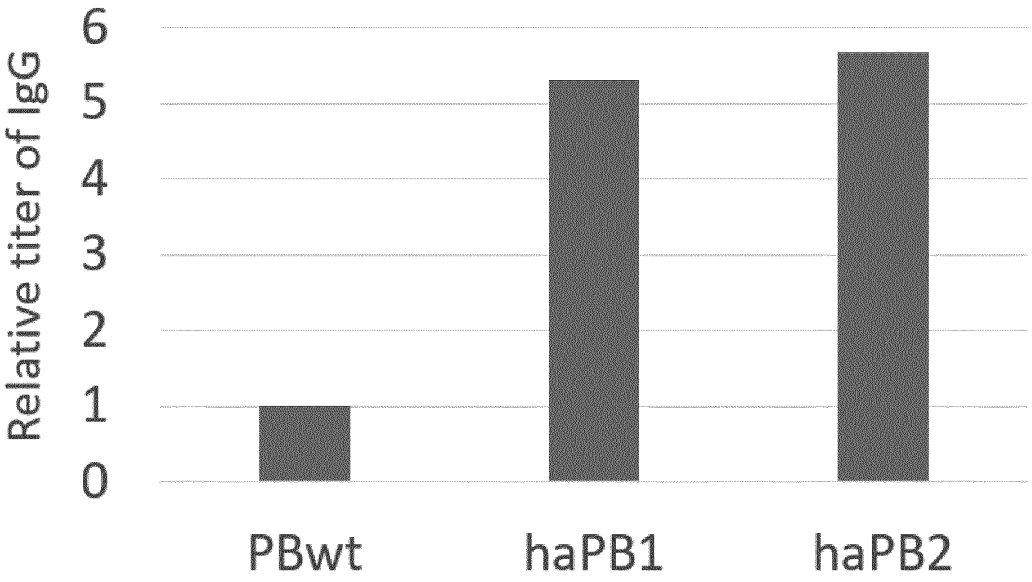


FIGURE 6

No.	I30A	Q118P	M185V	M282L	N538R
1					N538R
2				M282L	
3				M282L	N538R
4			M185V		
5			M185V		N538R
6			M185V	M282L	
7			M185V	M282L	N538R
8		Q118P			
9		Q118P			N538R
10		Q118P		M282L	
11		Q118P		M282L	N538R
12		Q118P	M185V		
13		Q118P	M185V		N538R
14		Q118P	M185V	M282L	
15		Q118P	M185V	M282L	N538R
16	I30A				
17	I30A				N538R
18	I30A			M282L	
19	I30A			M282L	N538R
20	I30A		M185V		
21	I30A		M185V		N538R
22	I30A		M185V	M282L	
23	I30A		M185V	M282L	N538R
24	I30A	Q118P			
25	I30A	Q118P			N538R
26	I30A	Q118P		M282L	
27	I30A	Q118P		M282L	N538R
28	I30A	Q118P	M185V		
29	I30A	Q118P	M185V		N538R
30	I30A	Q118P	M185V	M282L	
31	I30A	Q118P	M185V	M282L	N538R