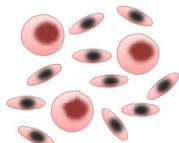


Phenotypic Selection

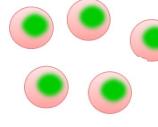
Lethal insult

Rare resistant cells

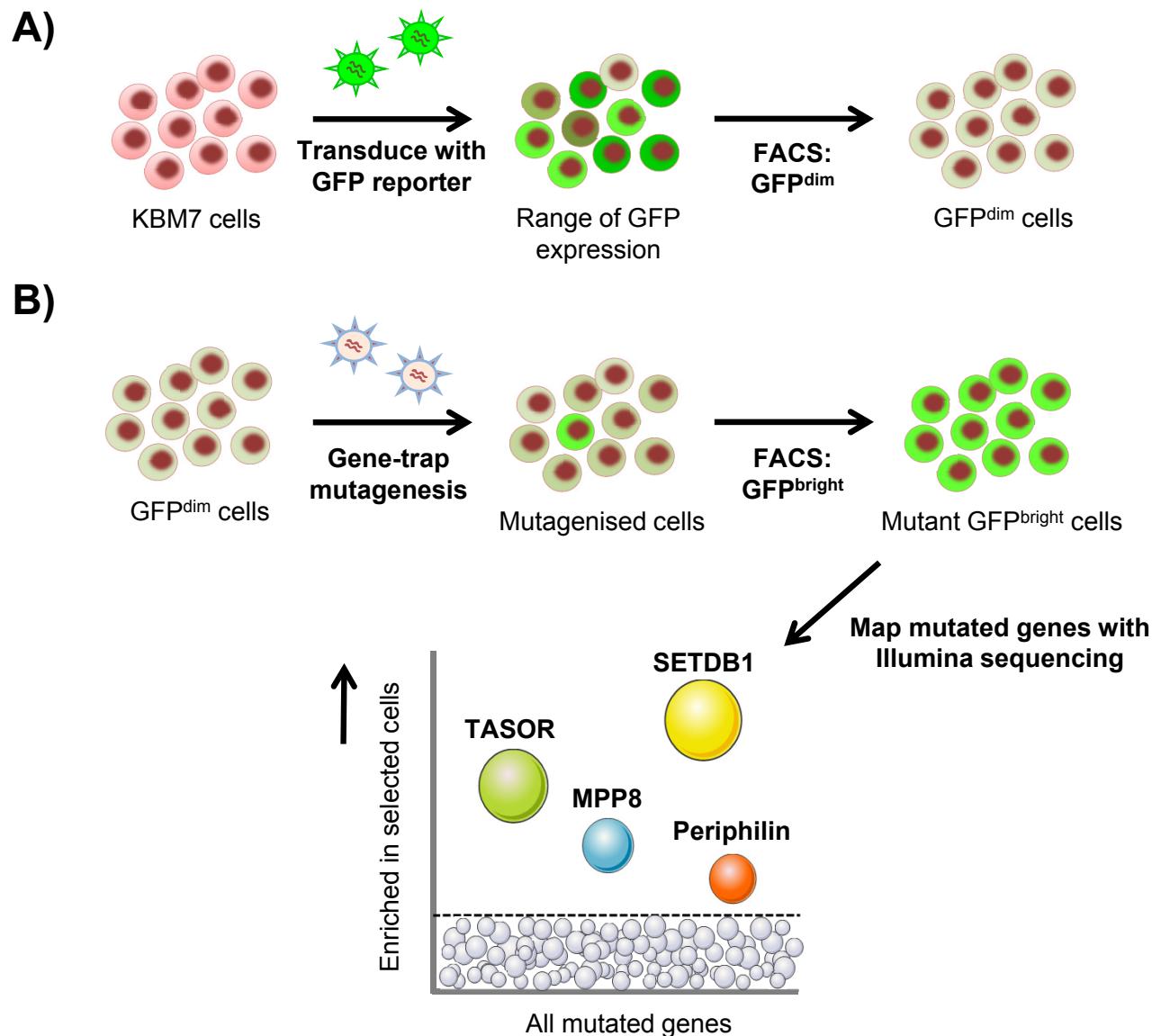


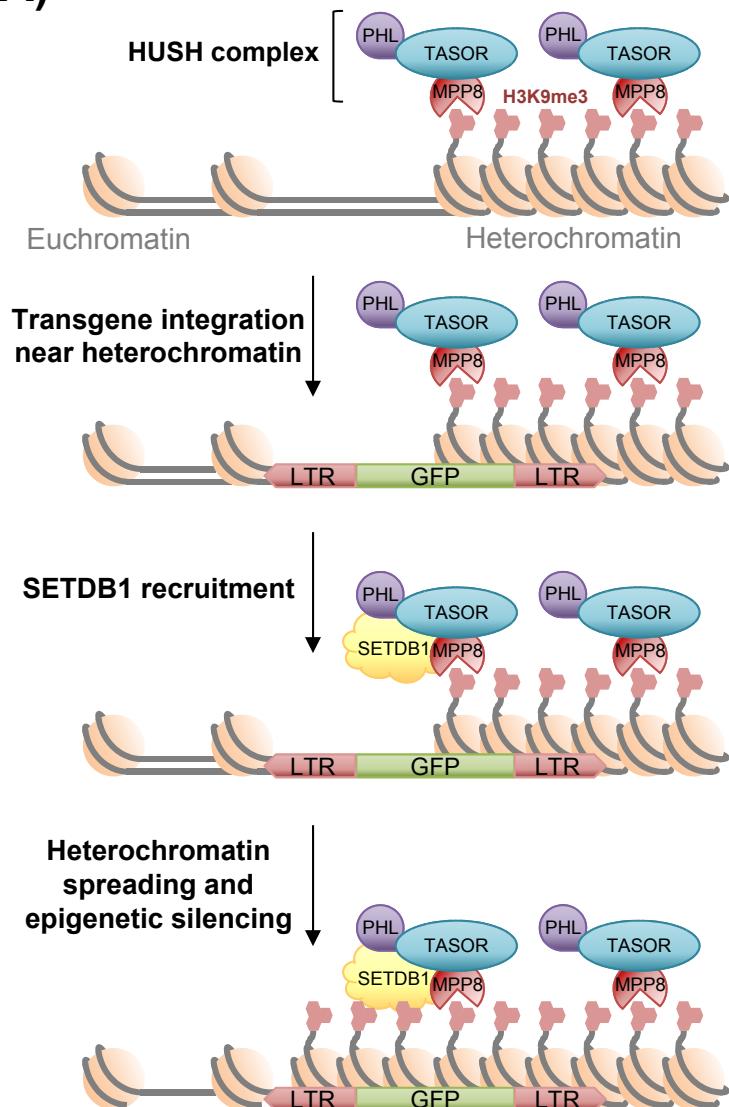
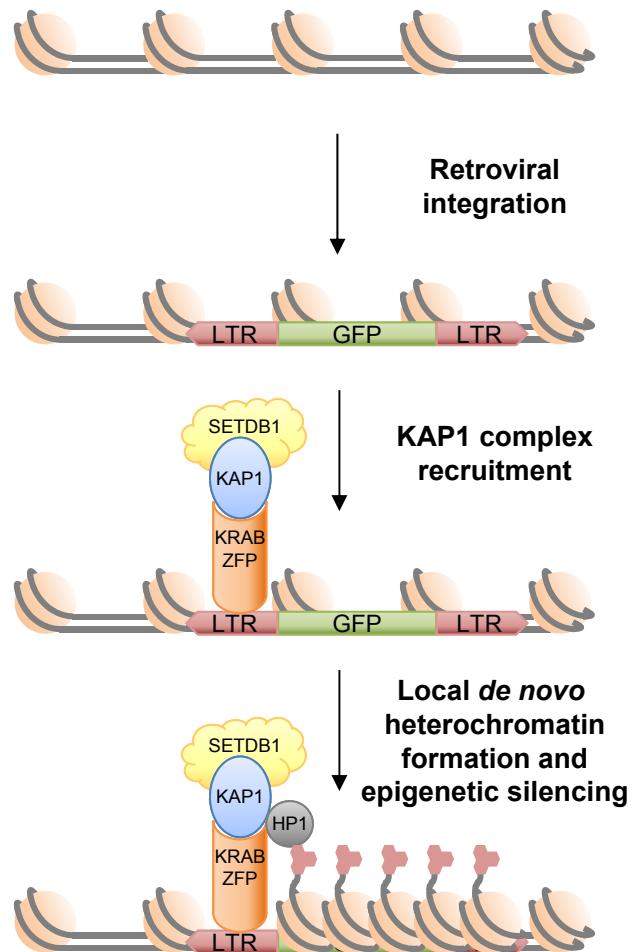
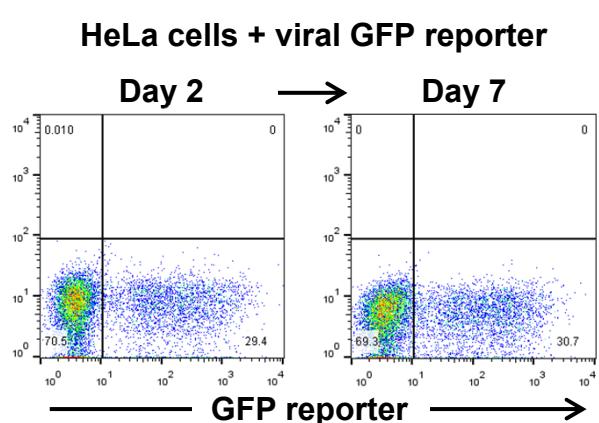
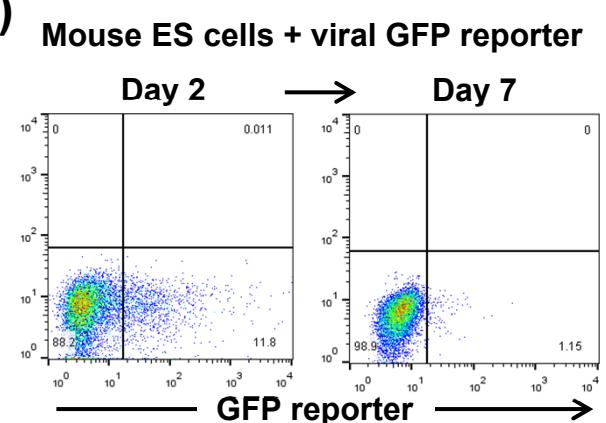
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Rare cells expressing altered levels of a fluorescent reporter or cell surface protein



Map gene-trap retroviral integration sites
to reveal the genes involved in the biological process



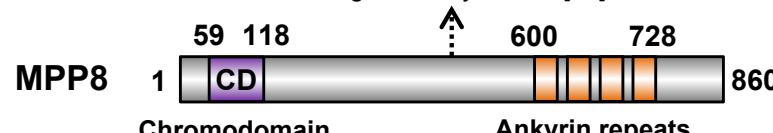
A)**C)****B)****D)**

L130P mutation (L135 in human) abrogates transgene silencing in the mouse [39]



Role in HUSH-mediated silencing unknown

Acetylated at K439 by PCAF; antagonised by SIRT1 [97]



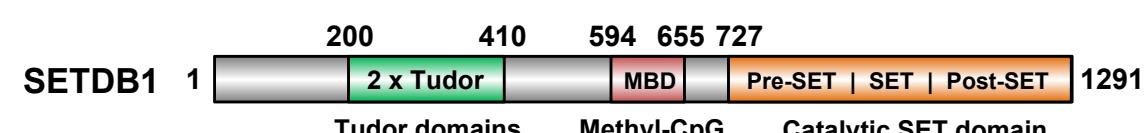
Binds H3K9me3 modification [55].
Essential for the localisation of
MPP8 to chromatin.

Common protein-protein
interaction domain. Role in
HUSH function unknown.



N-terminal α-helical motif required
for interaction with periplakin [99]

C-terminus essential for
dimerisation [99]



Role in SETDB1 function unknown.
Typically recognise methylated
arginine or lysine residues.

Role in SETDB1 function unknown.
Typically bind methylated DNA.

Tri-methylates H3K9me3 [56]