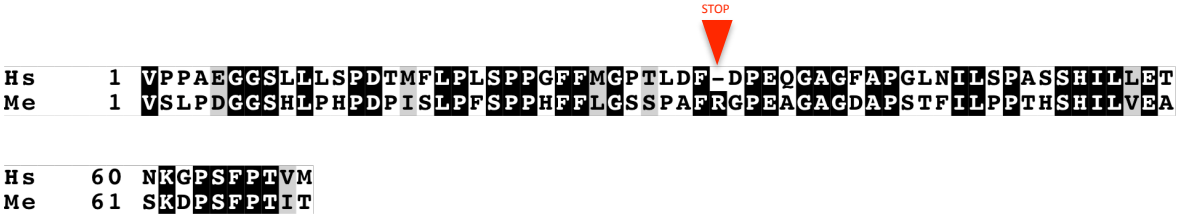
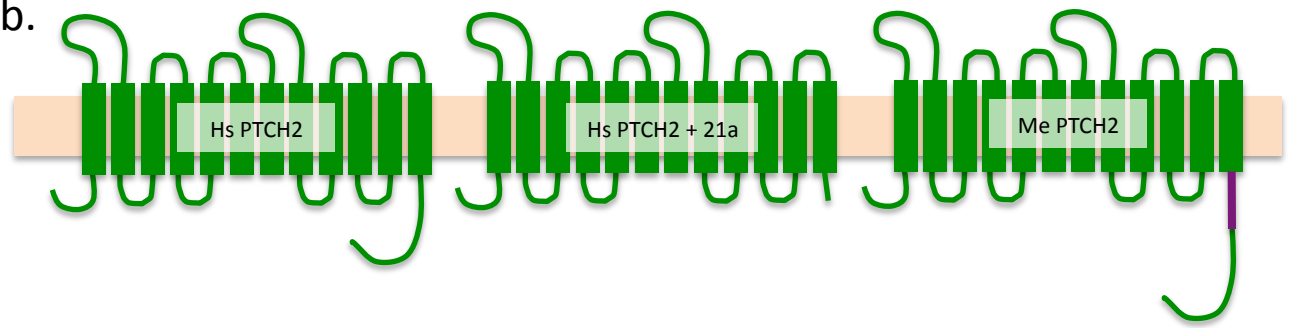
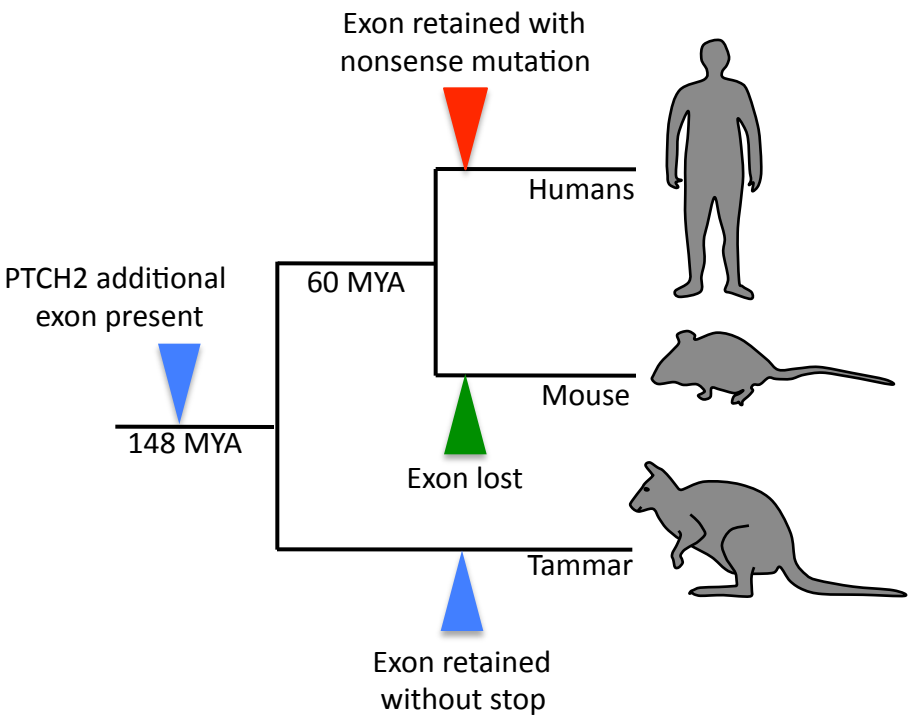
a.


STOP
Hs 1 VPPAEGGSLLLSPDTMFLPLSPPGFFMGPTLDF-DPEQGAGFAPGLNILSPASSHILLET
Me 1 VSLPDGGSHLPHPDPISLPFSPPHFFLGSSPAFRGPEAGAGDAPSTFILPPTHSHILVEA
Hs 60 NKGPSFPTVM
Me 61 SKDPSFPTIT

b.


Hs PTCH2
Hs PTCH2 + 21a
Me PTCH2

c.


Exon retained with nonsense mutation
Humans
PTCH2 additional exon present
60 MYA
Mouse
148 MYA
Exon lost
Tammar
Exon retained without stop