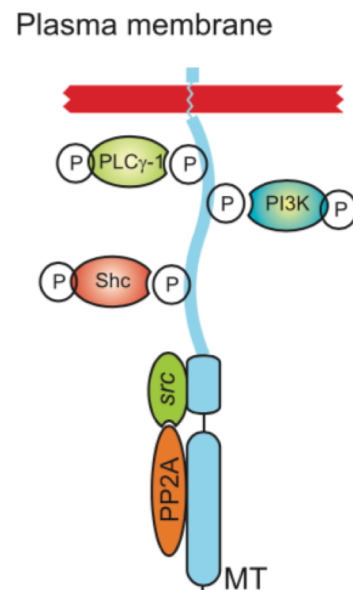


## Tumor incidence in TERC<sup>-/-</sup> mice (generations ≥G4)

| Model:                          | APC <sup>min</sup> | PyMT                    | DBA/PMA                  | Ink4a <sup>-/-</sup>   | p53 <sup>-/-</sup>    |
|---------------------------------|--------------------|-------------------------|--------------------------|------------------------|-----------------------|
| Driver:                         | β-catenin          | viral oncogene          | chemical carcinogens     | Cdk4,6                 | genome instability    |
| Tumors:                         | intestine polyps   | breast carcinoma        | skin papilloma & sarcoma | lymphoma & sarcoma     | lymphoma & sarcoma    |
| <i>when TERC<sup>-/-</sup>:</i> | ↓advanced polyps   | ↑latency<br>↓penetrance | ↓frequency               | ↑latency<br>↓frequency | ↑↑carcinoma (various) |



### Polyoma virus Middle T antigen:

- mimics an activated RTK)
- promoter/enhancer from mouse mammary tumor virus (MMTV)

Guy et al. 1992 Mol Cell Biol  
Zhou et al. 2011 J Virol