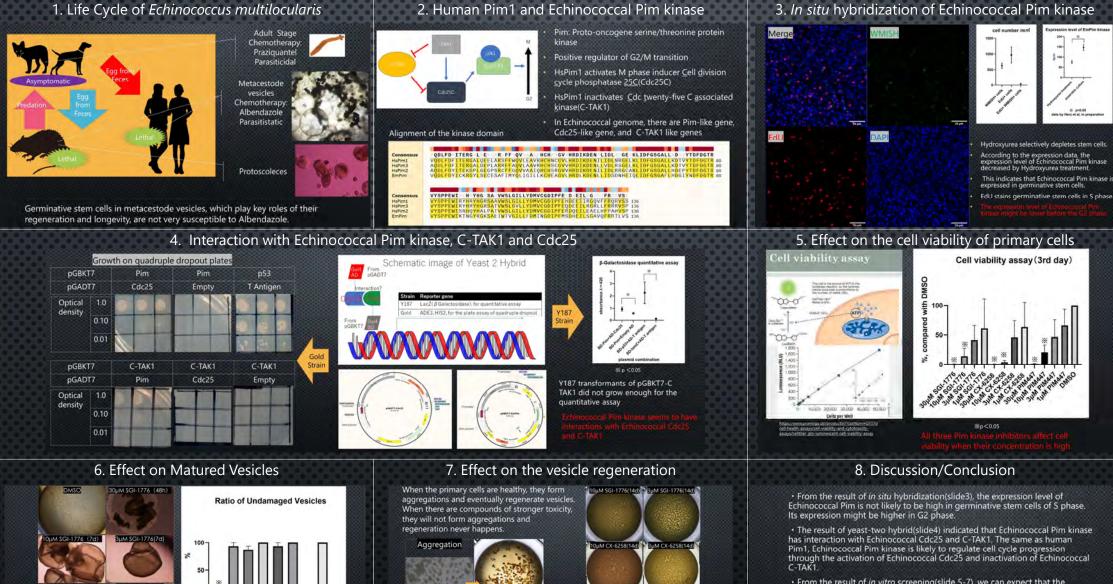


## 88 : The potential of Pim kinase as a candidate of target protein for new parasiticidal drug against *Echinococcus multilocularis*

0µM PIM447(14d) 3µM PIM447(1

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 From the result of *in vitro* screening(slide 5-7), we can expect that the inhibition of Echinococcal Pim kinase has some effect on the proliferation of germinative stem cells, and eventually has effect on the survival or regeneration of larval vesicles.

 One Pim kinase inhibitor, SGI-1776 showed stronger detrimental effect on both larval vesicles and primary cells.

 $\therefore$  Echinococcal Pim kinase can be a good target of parasiticides and Pim kinase inhibitors can be promising lead compounds.