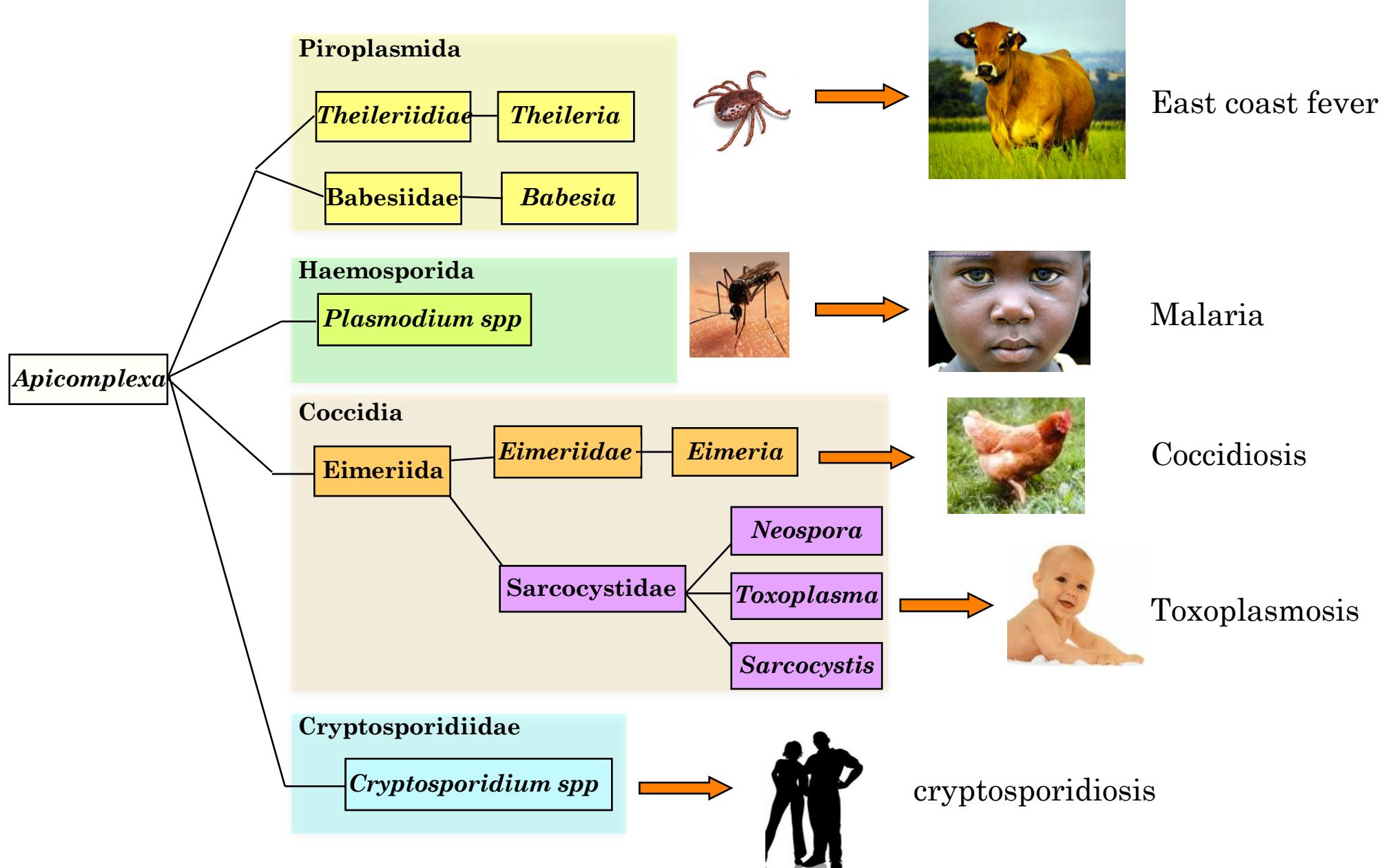


Aspartyl proteases in *Toxoplasma gondii* and *Plasmodium falciparum*

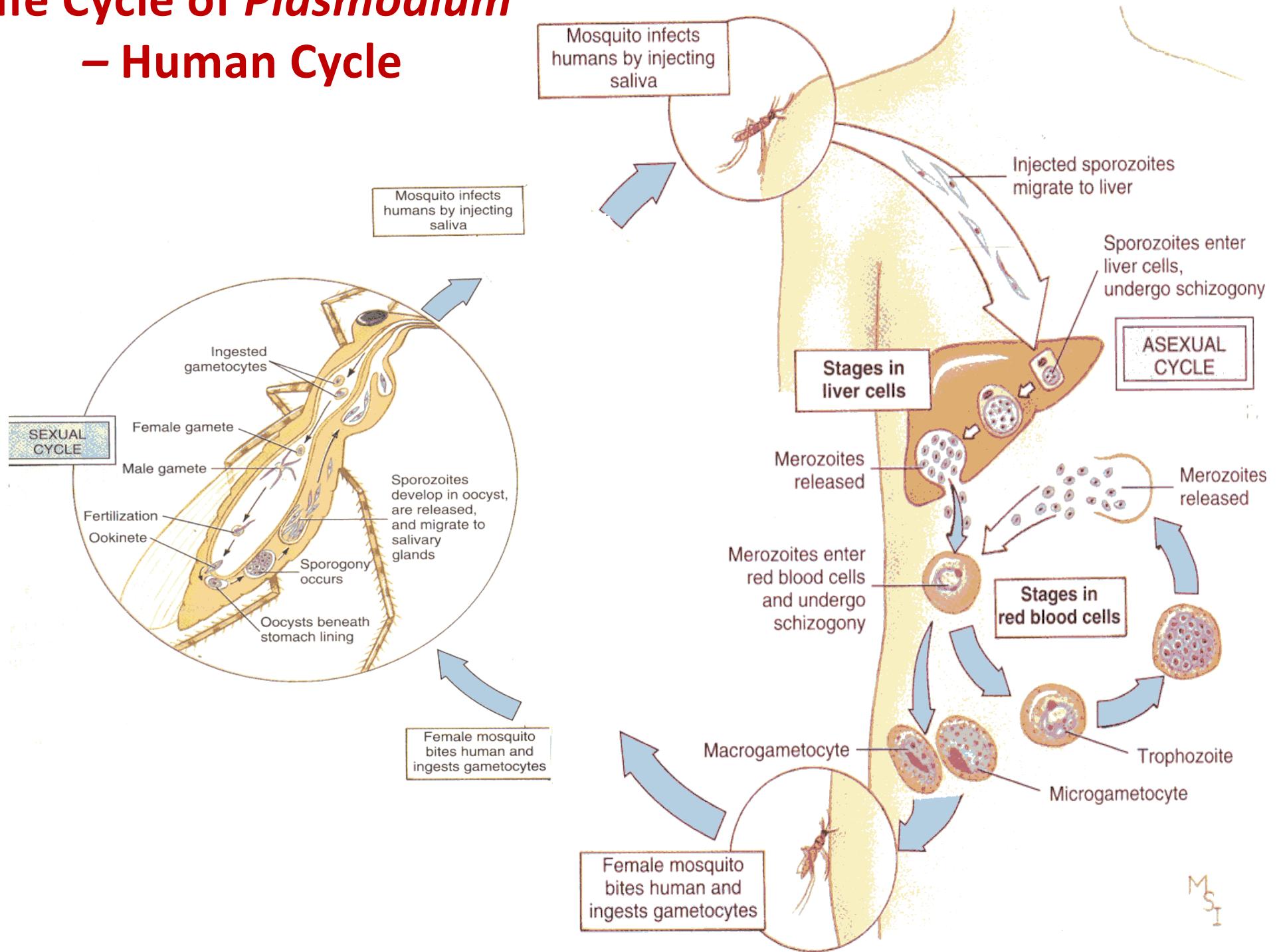
meBOP-Module II

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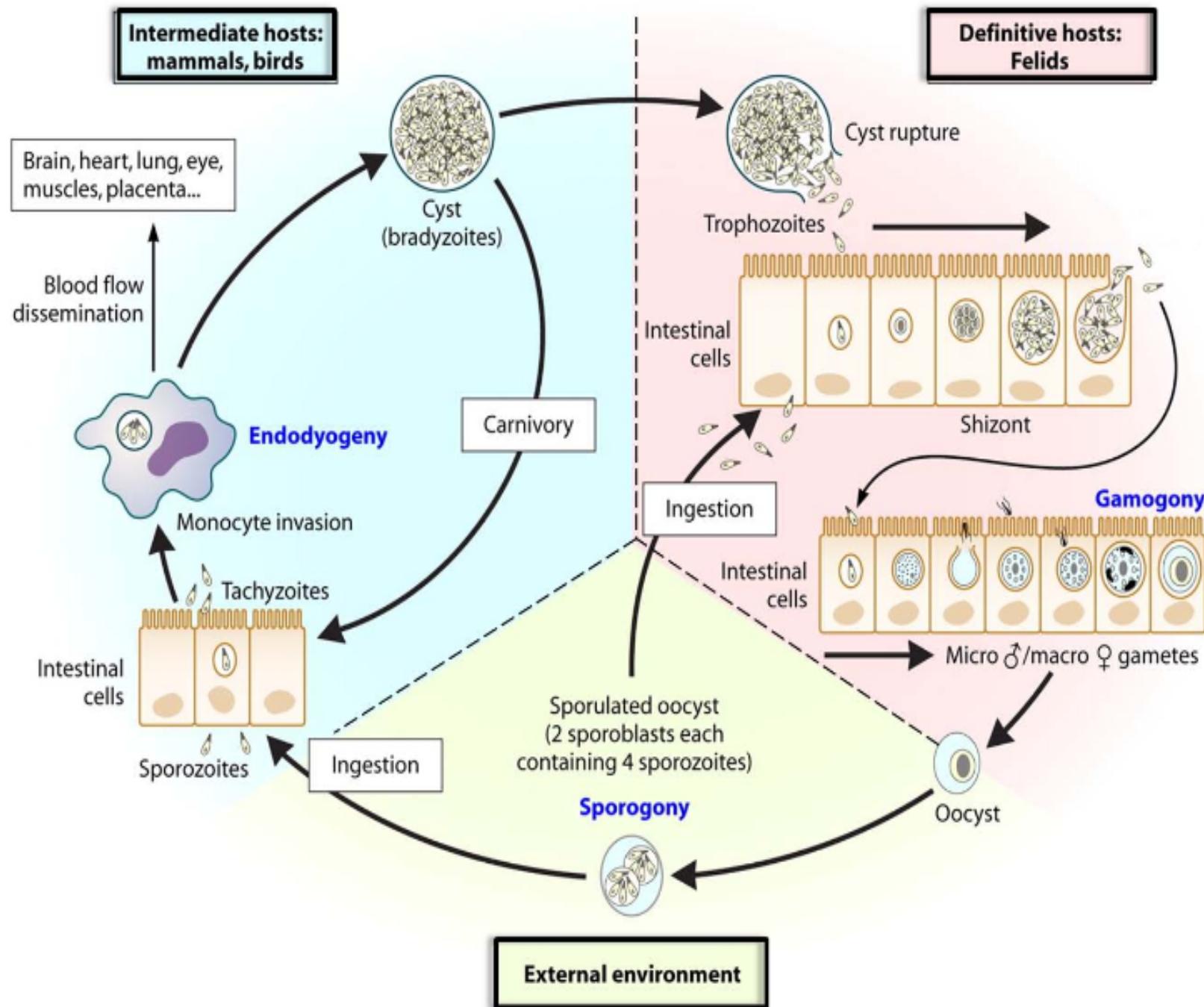
Apicomplexans are human and animal pathogens



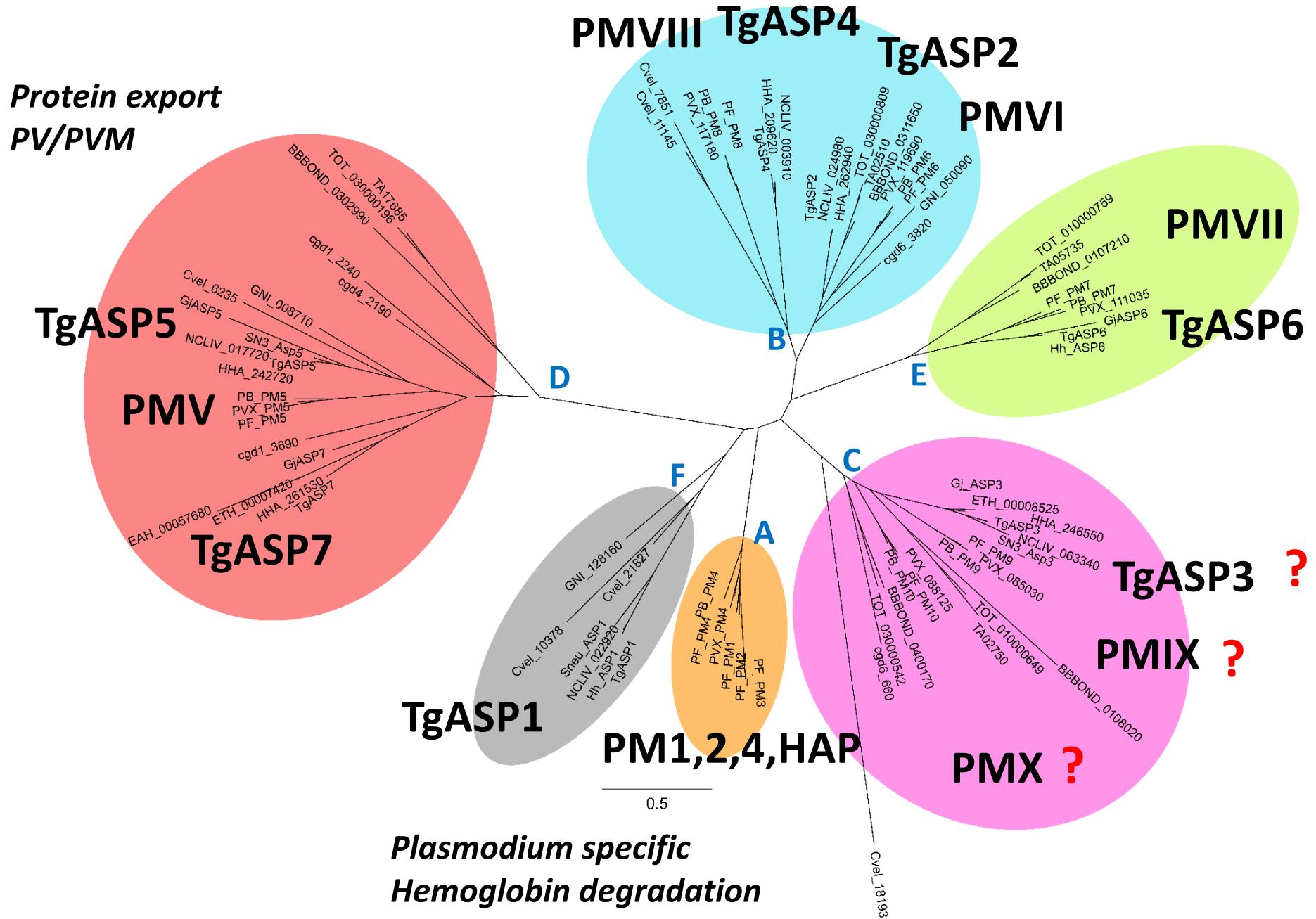
Life Cycle of *Plasmodium* – Human Cycle



Life Cycle of *Toxoplasma* – Human Cycle



Apicomplexan ASPs follow 6 distinct groups



ASP3 Knockdown inducible system (Asp3-iKD)

- Intracellular parasites
- ASP3 Knockout → lytic cycle of parasite (**ASP3 play an important role in the life cycle**)
- ASP3 Knockdown inducible system (Asp3-iKD)

ASP3 knockdown displays a severe lytic cycle defect

Plaque Assay

