



Origin of Archaeplastids (>1000 MYA)
 LRR LRR-RP LRR-RK
 LysM LysM-RP
 RLCK-VII RBOHD

Origin of Charophyceae (>600 MYA)
 LysM-RK (lost in Zygnematophyceae)

Origin of Zygnematophyceae (~600 MYA)
 SERK

Origin of land plants (~500 MYA)
 SOBIR1

Origin of Viridiplantae (<1000 MYA)
 LRR-RK expansion