v1a, v1a_reverse, v1b, v2a, v2a_reverse, v2b, v3a, v3a_reverse, v3b, v3c, v3c_reverse, v4a, v4a_reverse, v4b, v4c, v4c_reverse
species: M, MAPKK, MKP3, M_MAPKK, M_MKP3, Mp, Mp_MAPKK, Mp_MKP3, Mp_MKP3_dep, Mpp, Mpp_MKP3
{M, MAPKK, MKP3, M_MAPKK, M_MKP3, Mp, Mp_MAPKK, Mp_MKP3, Mp_MKP3_dep, Mpp, Mpp_MKP3}

v4c, v4c_reverse
species: M, MKP3, M_MKP3
{M, MKP3, M_MKP3}

None
species:
{}