

	Ri-Kin	Pp-Kin1	Pp-Kin2	Pp-Kin3	Pp-Kin4	Pr-Kin1
Ri-Kin	100.00	58.41	50.45	51.35	32.14	38.94
Pp-Kin1	58.41	100.00	59.46	60.36	29.36	42.73
Pp-Kin2	50.45	59.46	100.00	80.18	31.13	38.98
Pp-Kin3	51.35	60.36	80.18	100.00	28.30	37.96
Pp-Kin4	32.14	29.36	31.13	28.30	100.00	37.27
Pr-Kin1	38.94	42.73	38.98	37.96	37.27	100.00

Supplementary Data 2: Pair-wise identity matrix of Kininogen sequences of assassin bug *R. iracundus* (Ri_Kin1), four Australian assassin bug *Pristhesancus plagipennis* (Pp_Kin) kininogens and one African assassin bug *Platyeris rhadamanthus* (Pr_Kin) kininogen.