

Table S3. Summary of samples used for cDNA library construction in *Nasutitermes takasagoensis*.

Caste, sex, and description of samples, number of individuals, and field colonies from which termite samples originated are shown.

category ID	caste	sex	description	n	colony
1	egg	unidentified	embryos at various developmental stages	156 mg [‡]	A
2	larva	unidentified	1st instar undifferentiated individuals	100	A
3	2nd instar	unidentified	2nd instar individuals	90	A
4	nymph 3	male	4th instar individuals with wing buds	12	B
5	nymph 3	female	4th instar individuals with wing buds	2	B
6	nymph 4	male	5th instar individuals with wing buds	10	A
7	nymph 4	female	5th instar individuals with wing buds	10	A
8	nymph 5	male	6th instar individuals with wing buds	10	A
9	nymph 5	female	6th instar individuals with wing buds	10	A
10	nymph 5	male	6th instar individuals with wing buds	6	A
11	nymph 5	female	6th instar individuals with wing buds	6	A
12	alate	male	winged adults shortly after the molting from nymphs	12	A
13	alate	female	winged adults shortly after the molting from nymphs	6	A
14	alate	male	winged adults just before swarm	6	A
15	alate	female	winged adults just before swarm	6	A
16	king	male	a mature king collected from a mature colony	1	C
17	queen	female	a mature, physogastric queen collected from a mature colony	1	C
18	worker	male and female	3rd and greater instars of apterous individuals, including minor, medium, and major workers	80	A
19	minor worker	male [*]	3rd-instar individuals without wings and wing buds and any soldier-like characters	100	A
20	JHA-treated minor worker	male [*]	minor workers that experienced hydroprene application for 7 days [‡]	240	A
21	JHA-treated	male [*]	minor workers that experienced hydroprene application for 14 days [‡]	254	A

	minor worker				
22	JHA-treated minor worker	male *	minor workers that experienced hydroprene application for 21 days [†]	95	A
23	presoldier	male *	individuals developmentally anteceding soldiers	54	A
24	JHA-induced Presoldier	male *	presoldiers that existed in 2-week colonies with hydroprene [†]	5	A
25	soldier	male *	individuals with sclerotized heads and nasutes for defense	90	A

The terms to designate the castes followed Hojo et al. (2004) for worker castes and Watson and Abbey (1977) for nymph castes.

*Because sex of the minor workers, presoldiers and soldiers are all male in *Nasutitermes* according to Noirot (1955), sex of them was not checked in this study.

[†]For more detailed method of artificial colony establishment and sampling, see “Materials and Methods”.

[‡]All eggs were weighed together.

References

- Hojo M, Koshikawa S, Matsumoto T, Miura T (2004) Developmental pathways and plasticity of neuter castes in *Nasutitermes takasagoensis* (Isoptera: Termitidae). *Sociobiology* 44: 433-441.
- Noirot C (1955) Recherches sur le polymorphisme des termites superieurs (Termitidae). *Ann des Sci Nat Zool* 17: 399-595.
- Watson. JAL, Abbey HM (1977) The development of reproductives in *Nasutitennes exitiosus* (Hill) (Isoptera: Termitidae). *J Aust Ent Soc* 16: 161-164.