Table S1. Deduced genetic parentage for embryos carried by 45 male *Ammothella biunguiculata* based on five polymorphic microsatellite loci. Egg clusters are labeled according to their relative position along each oviger [e.g. L1 is the most proximal cluster on the left (L) oviger]. Dams with designation 'F' indicate deduced dams whose genotypes perfectly matched those of collected females, and hence the female I.D.'s are given. Deduced genotypes for which no matches were found among collected females are represented by 'D'. Dams that mated with more than one male are marked with number superscripts. Also shown are probabilities of spurious identity for deduced dam genotypes that matched those of collected females or that were detected in multiple clusters.

Male I.D.	Egg cluster	No. of progeny in cluster	Deduced dam I.D.	Probability of identity
M1	L1	65	F9	3.9×10^{-12}
"	R1	108	D1	
"	R2	118	$F2^1$	3.3×10^{-9}
M2	L1	33	$F7^2$	3.1×10^{-9}
M3	R1	100	$F7^2$	"
M4	L1	75	$F2^1$	3.3×10^{-9}
"	R1	51	$F2^1$	"
M5	L1	33	D2	
"	R1	47	F5	1.1×10^{-7}
M6	L1	28	D3	
"	R1	85	$F30^3$	4.0×10^{-9}
M7	L1	45	$D4^4$	1.7×10^{-10}
"	R1	42	$D4^4$	"
"	R2	30	$F34^5$	5.7×10^{-9}
M8	L1	37	$F34^5$	"
M9	R1	65	$F32^6$	1.2×10^{-8}
M10	L1	45	$D5^7$	3.3×10^{-10}
"	R1	15	D6	
M11	L1	60	$F32^6$	1.2×10^{-8}
"	L2	83	$F30^3$	4.3×10^{-10}
"	R1	90	$F32^6$	1.2×10^{-8}
"	R2	50	$F32^6$	"
M12	L1	48	$D5^7$	3.3×10^{-10}
"	L2	55	$D4^4$	1.7×10^{-10}
"	R1	39	D7	
M13	L1	61	$F42^8$	2.1×10^{-10}
"	R1	41	$F50^9$	7.1×10^{-13}
"	R2	41	$F49^{10}$	5.7×10^{-10}
M14	R1	40	$F50^9$	7.1×10^{-13}

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Male I.D.	Egg cluster	No. of progeny in cluster	Deduced dam I.D.	Probability of identity
M15	L1	70	F49[10]	5.7×10^{-10}
"	L2	50	F42[8]	2.1×10^{-10}
M16	L1	69	D8[11]	1.4×10^{-8}
M17	L1	95	F48	2.9×10^{-6}
"	L2	77	F48	"
"	R1	58	F45	1.3×10^{-10}
"	R2	58	F42[8]	2.1×10^{-10}
"	R3	76	F50[9]	7.1×10^{-13}
M18	L1	34	F50[9]	"
"	L2	85	D8[11]	1.4×10^{-8}
"	R1	33	F35	1.0×10^{-9}
"	R2	24	F35	"
M19	L1	58	D9	1.2×10^{-10}
"	R1	78	D9	"
"	R2	72	D8[11]	1.4×10^{-8}
M20	L1	75	D53	
M21	L1	93	D10[12]	3.7×10^{-11}
"	L2	81	D11	5.8×10^{-10}
"	L3	96	D11	"
"	R1	48	D12[13]	8.7×10^{-9}
M22	L1	45	D13[14]	5.6×10^{-13}
"	L2	57	D13[14]	"
"	R1	70	D14[15]	1.4×10^{-8}
M23	L1	75	D12[13]	8.7×10^{-9}
"	L2	56	D12[13]	"
"	L3	117	F57	6.4×10^{-9}
"	L4	110	D15	3.3×10^{-11}
"	R1	70	D10[12]	3.7×10^{-11}
"	R2	106	D16	
"	R3	52	D15	3.3×10^{-11}
M24	L1	58	D13[14]	5.6×10^{-13}
"	L2	87	D17[16]	3.8×10^{-9}
"	L3	55	D18[17]	4.3×10^{-8}
"	R1	70	D13[14]	5.6×10^{-13}
"	R2	56	D17[16]	3.8×10^{-9}
"	R3	48	D13[14]	5.6×10^{-13}
"	R4	65	D14[15]	1.4×10^{-8}

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Male I.D	Egg cluster	No. of progeny in cluster	Deduced dam I.D.	Probability of identity
M25	L1	33	D14[15]	1.4×10^{-8}
"	L2	38	D18[17]	4.3×10^{-8}
"	L3	51	D18[17]	"
"	R1	80	D19	
"	R2	56	D13[14]	5.6×10^{-13}
"	R3	53	D17[16]	3.8×10^{-9}
M26	L1	105	D14[15]	1.4×10^{-8}
"	L2	172	D20	2.8×10^{-11}
"	L3	84	D20	"
"	R1	63	D14[15]	1.4×10^{-8}
"	R2	60	D18[17]	4.3×10^{-8}
"	R3	60	D14[15]	1.4×10^{-8}
M27	L1	70	D21[18]	7.0×10^{-10}
"	L2	32	D21[18]	"
"	R1	54	F114[19]	1.7×10^{-7}
M28	L1	95	D21[18]	7.0×10^{-10}
"	R1	49	F114[19]	1.7×10^{-7}
M29	R1	78	D22	
M30	L1	58	F116	2.9×10^{-11}
M31	L1	65	D23	3.1×10^{-9}
"	L2	55	D23	"
"	R1	35	F125	1.2×10^{-9}
"	R2	87	F125	"
M32	L1	38	D24	
"	R1	53	D25	
M33	L1	87	D26[20]	8.4×10^{-12}
"	R1	80	D27	
"	R2	72	D26[20]	8.4×10^{-12}
M34	R1	32	D28	
M35	L1	57	D26[20]	8.4×10^{-12}
"	L2	59	D29	
"	L3	72	D30	
"	R1	22	D31	4.8×10^{-8}
"	R2	99	D31	"

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Male I.D.	Egg cluster	No. of progeny in cluster	Deduced dam I.D.	Probability of identity
M36	L1	38	D34	1.1×10^{-6}
"	L2	94	D32[21]	1.2×10^{-11}
"	R1	60	D32[21]	"
"	R2	55	D33	
"	R3	76	D34	1.1×10^{-6}
M37	L1	55	D35	
"	L2	67	D36	
"	L3	59	D37	
"	L4	54	D26[20]	8.4×10^{-12}
"	L5	71	D38	
"	R1	43	D39	
"	R2	80	D32[21]	1.2×10^{-11}
"	R3	61	D40	
"	R4	61	D41	
M38	L1	34	D42	
M39	L1	155	D43	
"	R1	55	D44[22]	1.3×10^{-5}
"	R2	60	D45	
M40	L1	105	D44[22]	1.3×10^{-5}
"	R1	55	D49[23]	7.6×10^{-12}
M41	L1	78	D44[22]	1.3×10^{-5}
M42	L1	37	D46	
"	L2	63	D47	
M43	L1	39	D48	2.8×10^{-9}
"	L2	30	D50[24]	1.1×10^{-12}
"	L3	25	D48	2.8×10^{-9}
"	R1	52	D49[23]	7.6×10^{-12}
M44	L1	26	D49[23]	"
"	L2	39	F212	5.3×10^{-11}
"	L3	40	F212	"
"	L4	33	F212	"
"	R1	52	D49[23]	7.6×10^{-12}
"	R2	51	D51	
"	R3	24	D50[24]	1.1×10^{-12}
"	R4	69	D49[23]	7.6×10^{-12}
"	R5	62	D49[23]	"
M45	L1	38	D52	3.2×10^{-11}