

Table 4. Detailed paternity analysis information from analysis of 48 offspring

Group	Offspring	No. mother-offspring		Father	$P_{ex(a)}$	$P_{ex(b)}$	Cervus confidence values		
		loci compared					all group males sampled	90% group males sampled	
Beetsme's	Kuryama	5	TITUS	0.9991	0.9992	7.53E+00	*	7.53E+00	*
	JoliAmi	0	BEETSME	0.9974	0.9988	3.27E+00	*	3.27E+00	*
	Umuco	8	TITUS	0.9982	0.9993	4.47E+00	*	4.47E+00	*
	Bwenge	9	TITUS	0.9993	0.9996	7.15E+00	*	7.15E+00	*
	Ubibwigenge	9	TITUS	0.9969	0.9980	5.41E+00	*	5.41E+00	*
	Pasika	6	TITUS	0.9978	0.9984	7.00E+00	*	7.00E+00	*
	Kirahure	5	BEETSME	0.9886	0.9889	3.74E+00	*	3.74E+00	*
	Umushikirano	0	TITUS	0.9702	0.9735	2.02E+00	*	2.02E+00	*
	Vuba	9	TITUS	0.9967	0.9985	5.06E+00	*	5.06E+00	*
	Bukima	6	TITUS	0.9926	0.9944	4.66E+00	*	4.66E+00	*
	Inziza	9	TITUS	0.9999	0.9999	9.65E+00	*	9.65E+00	*
	Tuyizere	9	TITUS	0.9995	0.9999	5.23E+00	*	5.23E+00	*
	Dushirehamwe	7	TITUS	0.9544	0.9613	3.20E+00	*	3.20E+00	*
	Gufasha	7	TITUS	0.9978	0.9985	2.30E+00	*	2.30E+00	*
	Turakora	6	TITUS	0.9887	0.9929	1.77E+00	*	1.77E+00	*
Group 5	Gwiza	7	ZIZ	0.9956	0.9974	2.47E+00	*	2.47E+00	*
	Ugenda	8	ZIZ	0.9982	0.9927	2.39E+00	*	2.39E+00	*
	Inshuti	13	ZIZ	0.9996	0.9986	1.56E+00	*	1.56E+00	*
	Makuba	0	ZIZ	0.9979	0.9906	3.90E+00	*	3.90E+00	*
	Kubaka	0	ZIZ	0.8227	0.8217	9.36E-01	*	9.36E-01	+
	Ugutsinda	6	PABLO	0.9898	0.9910	3.30E+00	*	3.30E+00	*
	Turatsinze	8	ZIZ	0.9959	0.9914	5.46E-01	*	5.46E-01	+
	Urugamba	9	ZIZ	0.9997	0.9987	1.78E+00	*	1.78E+00	*
	Nahimana	6	ZIZ	0.9984	0.9937	2.55E+00	*	2.55E+00	*
	Twizere	7	ZIZ	0.9941	0.9897	2.11E+00	*	2.11E+00	*
	Isabukuru	0	ZIZ	0.9926	0.9383	2.63E+00	*	2.63E+00	*
	Muzeneza	7	ZIZ	0.9988	0.9999	7.82E-01	*	7.82E-01	+
	Ukuri	9	PABLO	0.9998	0.9982	4.16E+00	*	4.16E+00	*
Pablo's	Mapendo	8	PABLO	0.9965	0.9960	3.58E+00	*	3.58E+00	*
	Mahirwe	12	PABLO	0.9999	0.9989	4.38E+00	*	4.38E+00	*
	Rukundo	0	PABLO	0.9820	0.9674	3.85E-01	+	3.85E-01	+
	Gicurasi	8	CANTSBEE	0.9830	0.9805	3.43E+00	*	3.43E+00	*
	Mitimbili	11	CANTSBEE	0.9998	0.9996	5.24E+00	*	5.24E+00	*
	Bikereri	0	CANTSBEE	0.9270	0.9084	6.19E-01	*	6.19E-01	+
	Gushimira	5	CANTSBEE	0.9657	0.9649	3.10E+00	*	3.10E+00	*
	Twihangane	6	CANTSBEE	0.9456	0.9101	3.11E+00	*	3.11E+00	*
	Musilikale	8	CANTSBEE	0.9855	0.9779	4.42E+00	*	4.42E+00	*
	Kureba	11	CANTSBEE	0.9999	0.9993	6.43E+00	*	6.43E+00	*
	Kubaha	9	CANTSBEE	0.9976	0.9786	4.24E+00	*	4.24E+00	*
	Umutekano	10	CANTSBEE	0.9943	0.9899	4.97E+00	*	4.97E+00	*
	Urugero	4	CANTSBEE	0.9214	0.9335	2.08E+00	*	2.08E+00	*
	Iyambere	6	CANTSBEE	0.9558	0.9519	3.51E+00	*	3.51E+00	*
Shinda's	Wageni	8	SHINDA	0.9997	0.9979	2.70E+00	*	2.70E+00	*
	Kanama	14	SHINDA	0.9998	0.9981	4.28E+00	*	4.28E+00	*
	Kurudi	4	SHINDA	0.9682	0.9837	1.99E+00	*	1.99E+00	*
	Twibuke	0	SHINDA	0.9784	0.9856	3.96E+00	*	3.96E+00	*
	Imvune	8	SHINDA	0.9999	0.9999	6.83E+00	*	6.83E+00	*
	Tegereza	0	notSHINDA	nd	nd	nd	nd	nd	nd

$P_{ex(a)}$  is the paternity exclusion probability calculated using allele frequencies from all individuals.

$P_{ex(b)}$  is the paternity exclusion probability calculated with offspring excluded from the allele frequency calculation.

An asterisk (\*) or (+) indicates that the given delta value met the strict (95%) or relaxed (80%) confidence level, respectively.