



**Supplementary Table S2. Calibrating genotypes produced by genetic analysers at VGL and NZG-SANBI**

Genotypes of 16 samples (see microsatellite data for details) were analysed in both laboratories; genotypes were compared to determine the appropriate adjustment needed for each allele.

A meeting between SMM, DLD and AK was held to agree on all shifts of allele sizes (based on chromatograms) before any changes were made to the NZG-SANBI data.

All NZG-SANBI genotypes were then adjusted to match VGL allele sizes:

<b>Locus</b>	example genotypes		<b>Shift applied (bp)</b>
	<b>VGL</b>	<b>NZG-SANBI</b>	
<b>FCA224</b>	153/161	157/165	4
<b>FCA096</b>	206/208	212/214	6
<b>FCA391</b>	211/219	217/225	6
<b>FCA113</b>	148/150	154/156	6
<b>FCA275</b>	126/128	132/134	6
<b>FCA057</b>	163/167	170/174	7
<b>FCA193</b>	104/108	111/115	7
<b>FCA075</b>	118/128	155/135	7
<b>FCA097</b>	143/151	151/163	8

**Supplementary Table S3. General Locus statistics by populations**

N: number of samples; Na: number of alleles; min: smallest allele; max: largest allele; Ho: observed heterozygosity; He: expected heterozygosity

Population		FCA224A	FCA193A	FCA113A	FCA391A	FCA085A	FCA096A	FCA075A	FCA057A	FCA275A	FCA097A	FCA272A	FCA031A	FCA230A	FCA026A	FCA240A	FCA628A	FCA506A	FCA126A	F42chtA	FCA001A	FCA453A	
<b>Pre-translocation</b>	<b>N</b>	10	10	10	10	10	10	10	10	10	10												
	<b>Na</b>	4	2	1	4	1	1	3	2	3	2												
	<b>min</b>	157	115	154	205	124	214	125	170	130	145												
	<b>max</b>	175	119	154	225	124	214	137	174	134	153												
	<b>Ho</b>	0.90	0.30	0.00	0.80	0.00	0.00	0.70	0.40	0.40	0.50												
	<b>He</b>	0.68	0.50	0.00	0.70	0.00	0.00	0.60	0.50	0.58	0.38												
<b>Translocated</b>	<b>N</b>	13	13	13	13	13	13	13	13	13	13												
	<b>Na</b>	3	4	4	3	4	7	4	3	3	3												
	<b>min</b>	163	111	149	213	122	194	111	168	132	143												
	<b>max</b>	171	119	156	221	142	218	135	176	136	163												
	<b>Ho</b>	0.54	0.62	1.00	0.77	0.92	0.85	0.46	0.69	0.23	0.69												
	<b>He</b>	0.62	0.67	0.65	0.66	0.63	0.72	0.52	0.48	0.32	0.52												
<b>Post-translocation</b>	<b>N</b>	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
	<b>Na</b>	7	4	4	5	4	5	5	4	2	5	3	4	5	3	3	3	5	4	3	6	4	4
	<b>min</b>	157	111	149	205	122	208	123	168	132	143	105	239	98	136	191	112	199	186	234	137	192	192
	<b>max</b>	175	19	156	225	142	216	135	176	134	163	109	251	112	148	197	116	233	208	242	169	204	204
	<b>Ho</b>	0.90	0.75	0.43	0.82	0.49	0.76	0.68	0.50	0.41	0.75	0.66	0.69	0.81	0.47	0.29	0.66	0.68	0.72	0.65	0.81	0.71	0.71
	<b>He</b>	0.81	0.67	0.39	0.77	0.51	0.70	0.65	0.49	0.48	0.71	0.62	0.65	0.73	0.44	0.63	0.63	0.68	0.67	0.58	0.75	0.68	0.68
<b>Kruger</b>	<b>N</b>	49	47	49	49	48	49	49	49	49	49	48	49	46	49	49	49	49	49	49	48	49	49
	<b>Na</b>	8	4	4	6	6	7	7	7	4	6	4	6	8	7	7	6	8	6	4	8	5	5
	<b>min</b>	157	111	151	205	116	208	121	166	130	147	105	241	98	136	191	108	186	186	234	129	192	192
	<b>max</b>	177	119	159	225	142	220	137	178	136	160	111	251	116	152	207	120	233	222	245	174	208	208
	<b>Ho</b>	0.82	0.62	0.59	0.73	0.60	0.78	0.80	0.69	0.51	0.67	0.56	0.67	0.74	0.71	0.35	0.71	0.61	0.71	0.67	0.65	0.78	0.78
	<b>He</b>	0.77	0.61	0.55	0.73	0.66	0.72	0.76	0.79	0.61	0.65	0.64	0.61	0.78	0.76	0.70	0.72	0.74	0.77	0.68	0.66	0.70	0.70

Supplementary Table S4. HWE by Locus and Population

Locus	Pre-translocation				Translocated				Post-translocation				Kruger			
	DF	ChiSq	Prob	Signif	DF	ChiSq	Prob	Signif	DF	ChiSq	Prob	Signif	DF	ChiSq	Prob	Signif
FCA224A	6	9.75	0.14	ns	3	5.08	0.17	ns	21	17.74	0.67	ns	28	31.93	0.28	ns
FCA193A	1	1.55	0.21	ns	6	5.06	0.54	ns	6	3.88	0.69	ns	6	3.18	0.79	ns
FCA113A		Monomorphic			6	10.02	0.12	ns	6	2.66	0.85	ns	6	2.23	0.90	ns
FCA391A	6	4.55	0.60	ns	3	5.40	0.15	ns	10	11.29	0.34	ns	15	15.75	0.40	ns
FCA085A		Monomorphic			6	6.87	0.33	ns	6	3.21	0.78	ns	15	11.09	0.75	ns
FCA096A		Monomorphic			21	30.87	0.08	ns	10	5.01	0.89	ns	21	32.45	0.05	ns
FCA075A	3	2.07	0.56	ns	6	14.74	0.02	*	10	5.05	0.89	ns	21	16.10	0.76	ns
FCA057A	1	0.40	0.53	ns	3	3.64	0.30	ns	6	11.47	0.07	ns	21	41.78	0.00	**
FCA275A	3	10.10	0.02	*	3	2.28	0.52	ns	1	1.53	0.22	ns	6	4.30	0.64	ns
FCA097A	1	1.11	0.29	ns	3	2.43	0.49	ns	10	5.79	0.83	ns	15	7.05	0.96	ns
FCA272A									3	4.38	0.22	ns	6	3.44	0.75	ns
FCA031A									6	1.77	0.94	ns	15	15.70	0.40	ns
FCA230A									10	6.52	0.77	ns	28	24.67	0.65	ns
FCA026A									3	0.53	0.91	ns	21	20.08	0.52	ns
FCA240A									3	51.70	0.00	***	21	92.40	0.00	***
FCA628A									3	2.36	0.50	ns	15	24.77	0.05	ns
FCA506A									10	12.31	0.26	ns	28	35.54	0.15	ns
FCA126A									6	7.37	0.29	ns	15	19.00	0.21	ns
F42chtA									3	1.99	0.57	ns	6	7.03	0.32	ns
FCA001A									15	13.40	0.57	ns	28	11.88	1.00	ns
FCA453A									6	9.44	0.15	ns	10	5.63	0.84	ns

Key: ns=not significant, \* P<0.05, \*\* P<0.01, \*\*\* P<0.001

