

Pen & Brand	Lot	ID	Age (mth)	Weight (kg)	Scrotal (cm)	Motility (%)	Morph (%)
1 Glenoch	1	U284	22	730	37	70	79
	2	U214	23	754	37	80	93
	3	U134	24	772	38	40	81
	4	U149	23	758	39	60	74
	5	U278	22	748	37	80	89
	6	U205	23	702	37	65	96
	7	U351	Withdrawn				
	8	U169	23	738	41	60	85
2 NBGen	9	U825	24	760	35	85	89
	10	U828	24	748	42	85	63
	11	U837	Withdrawn				
	12	U852	24	750	35	85	82
	13	U854	24	740	35	80	84
	14	U855	24	768	39	75	87
	15	U856	24	808	36	85	86
	16	U002	22	716	34	75	84
3 Glenoch	17	U030	Withdrawn				
	18	U253	23	722	38	45	89
	19	U171	Withdrawn				
	20	U206	23	692	39	85	93
	21	U271	24	770	36	70	79
	22	U150	24	706	35	75	80
	23	U038	Withdrawn				
	24	U862	24	674	34	70	74
4 NBGen	25	U864	24	722	35	80	80
	26	U866	24	774	35	80	81
	27	U867	Withdrawn				
	28	U872	24	824	37	75	83
	29	U875	24	775	36	75	94
	30	U876	24	758	34	75	87
	31	U184	23	670	36	90	96
	32	U242	Withdrawn				
5 Glenoch	33	U303	Withdrawn				
	34	U211	23	712	36	70	93
	35	U151	23	698	36	65	82
	36	U035	23	716	35	80	91
	37	U159	23	716	37	70	85
	38	U228	23	718	39	65	94

Pen & Brand	Lot	ID	Age (mth)	Weight (kg)	Scrotal (cm)	Motility (%)	Morph (%)
6 NBGen	39	U880	Withdrawn				
	40	U881	24	768	36	90	81
	41	U895	23	772	35	95	78
	42	U897	23	770	39	95	92
	43	U1001	23	802	45	85	72
	44	U1009	23	812	37	90	93
	45	U1011	23	754	37	70	81
	46	U365	22	718	34	85	76
7 Glenoch	47	U017	23	666	38	90	92
	48	U260	22	718	39	60	74
	49	U023	23	688	37	65	88
	51	U266	23	710	37	70	87
	52	U461	22	662	36	70	62
	53	U190	23	688	33	90	78
	54	U167	23	652	39	70	74
	55	U138	24	754	35	75	95
8 Glenoch	56	U094	Withdrawn				
	57	U220	24	654	37	70	82
	59	U269	22	668	38	65	84
	60	U443	21	678	36	90	92
	61	U120	Withdrawn				
	62	U375	22	662	35	80	89
	63	U257	Withdrawn				
	64	U024	23	616	38	75	72
9 Glenoch	65	U076	22	676	36	85	89
	66	U267	22	702	38	65	88
	67	U180	23	670	33	60	81
	68	U368	Withdrawn				
	69	U229	23	676	38	75	88
	70	U063	23	682	37	75	89
	71	U255	Withdrawn				
	72	U215	23	698	35	75	94
10 Glenoch	73	U306	22	678	38	65	77
	74	U135	24	694	36	80	88
	75	U109	24	680	39	40	73
	76	U224	22	654	38	75	81

Pen & Brand	Lot	ID	Age (mth)	Weight (kg)	Scrotal (cm)	Motility (%)	Morph (%)
11 Glenoch	78	U116	24	672	34	65	85
	79	U400	22	628	34	70	90
	80	U127	24	628	35	75	88
	81	U371	21	612	34	70	87
	82	U452	21	714	34	70	86
	83	U272	22	756	37	90	91
	84	U403	22	738	40	70	86
	85	U043	24	668	37	75	95
12 Glenoch	86	U256	22	704	36	70	88
	88	U081	22	634	40	85	93
	89	U140	24	686	35	65	88
	90	U173*	23	652	37	75	87
	91	U119*	24	660	38	80	79
	92	U128*	24	696	38	80	80
	93	U108*	24	634	37	65	78
13 Glenoch	94	U495*	23	728	37	80	91
	95	U279	22	658	35	70	82
	96	U161*	23	634	39	90	78
	97	U179	23	704	35	80	82
	98	U203	23	614	38	90	86
	99	U408	22	696	33	75	72
	101	U146	23	650	39	65	56

Pen & Brand	Lot	ID	Age (mth)	Weight (kg)	Scrotal (cm)	Motility (%)	Morph (%)
14 Glenoch	102	U008*	24	646	37	75	75
	104	U181	22	632	38	80	93
	105	U364*	22	628	37	75	74
	106	U433	21	598	36	65	80
	107	U177*	23	640	33	75	85
	109	U376*	22	590	36	70	75
15 Glenoch	110	U264*	22	572	36	70	79
	111	U252*	22	642	36	70	92
	112	U137*	24	628	34	90	90
	113	U291	22	604	35	80	75
	114	U345	22	626	34	65	93
	115	U176	23	612	36	60	73
16 Glenoch	116	U143	23	616	36	80	93
	117	U263	22	616	36	65	90
	118	U318	21	642	36	65	81
	119	U801	Withdrawn				
	120	U436	21	604	34	60	81
	121	U243	22	626	37	40	86
	122	U202	23	612	37	65	88
	123	U366	22	616	36	80	95
	124	U289	22	616	34	60	79
	125	U490	23	602	35	60	65
	126	U421	22	628	36	70	73

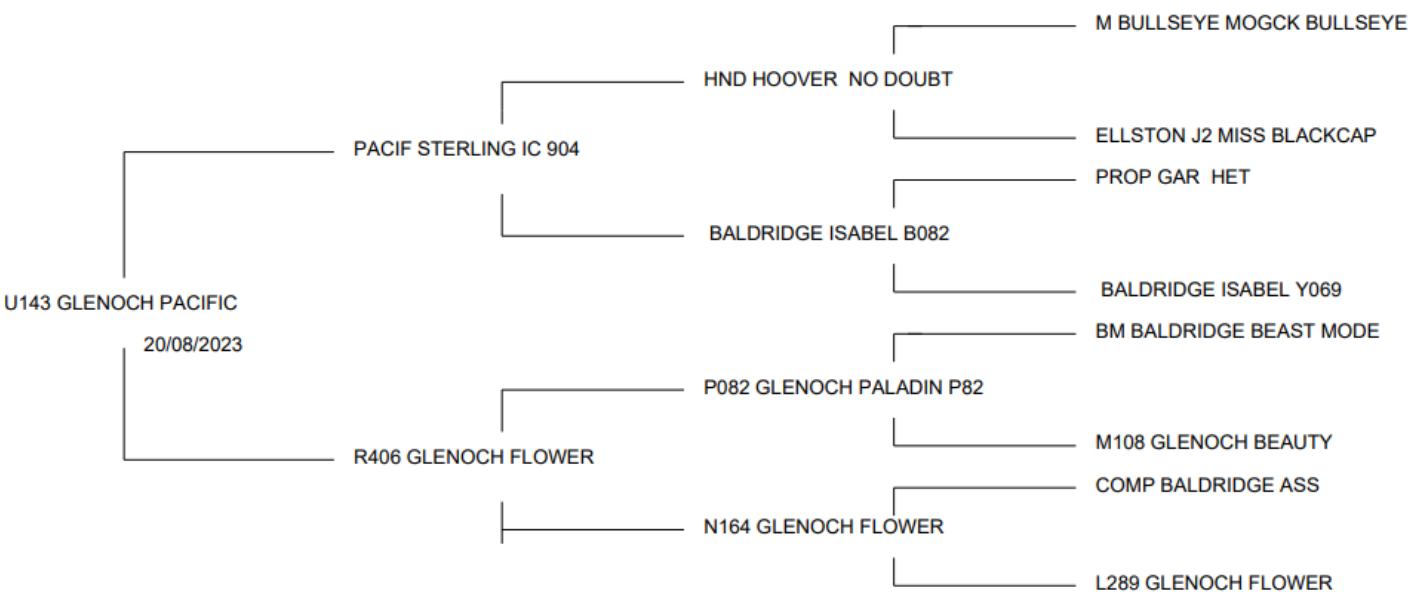
*Used bulls

Please note that the bulls from the two vendors have been run separately to each other.

Supplementary Bull Data:



Pedigree for U143

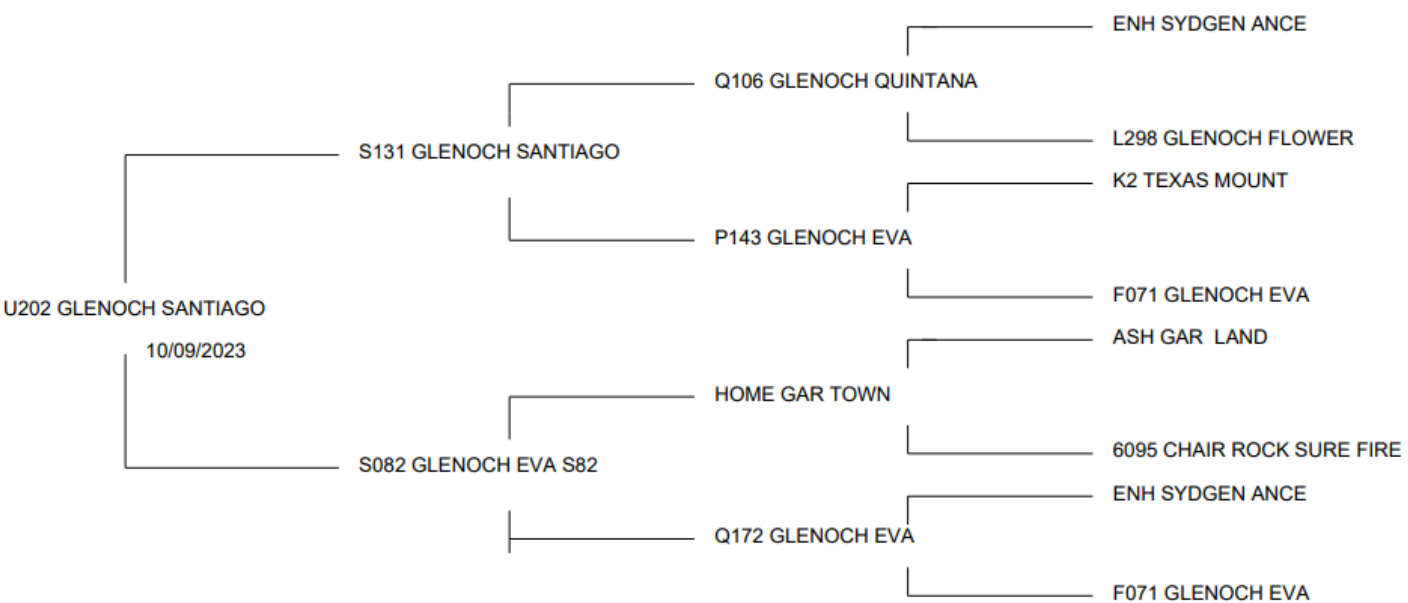


EBV Type: G

CED	CEM	GL	BW	200	400	600	MAT	MILK	SS	DTC	CWT	EMA	RIB	RMP	RBV	IMF	DOC	NFI
+1.1	+3.3	-5.8	+1.7	+47	+80	+82	+63	+14	+1.3	-6.1	+47	+4.3		+3.0	-0.5	+3.4	+28.0	+0.21



Pedigree for U202

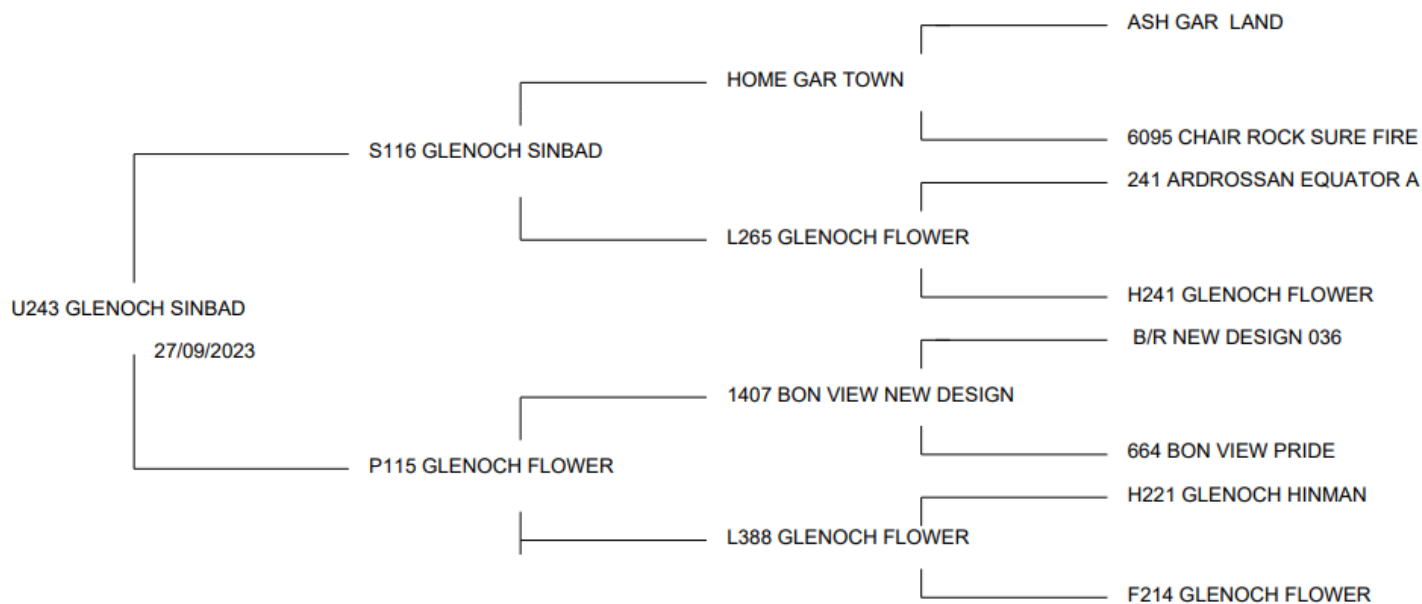


EBV Type: G

CED	CEM	GL	BW	200	400	600	MAT	MILK	SS	DTC	CWT	EMA	RIB	RMP	RBV	IMF	DOC	NFI
+3.8	-0.2	-6.3	+3.1	+45	+86	+95	+67	+18	+3.1	-5.9	+55	+7.6		-2.1	+0.1	+5.4	+27.0	+0.17



Pedigree for U243

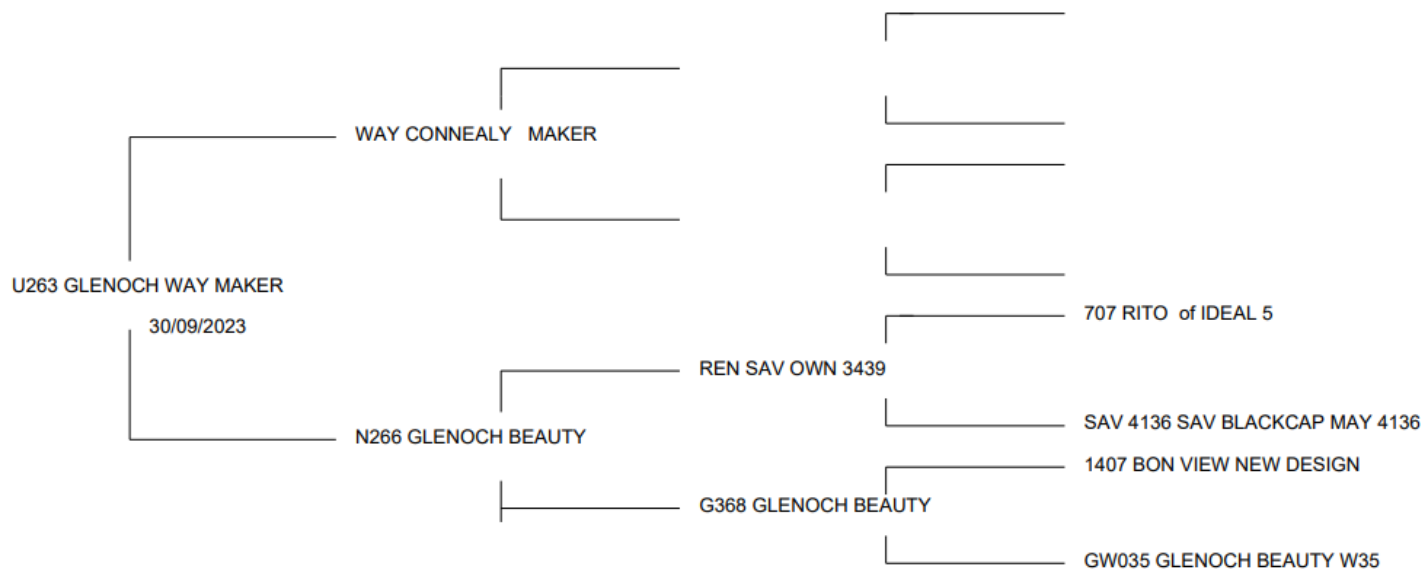


EBV Type: G

CED	CEM	GL	BW	200	400	600	MAT	MILK	SS	DTC	CWT	EMA	RIB	RMP	RBV	IMF	DOC	NFI
+9.4	+4.1	-8.9	+0.9	+44	+78	+97	+68	+16	+1.9	-7.1	+58	+2.4		+0.8	-0.3	+3.3	+19.0	+0.34



Pedigree for U263

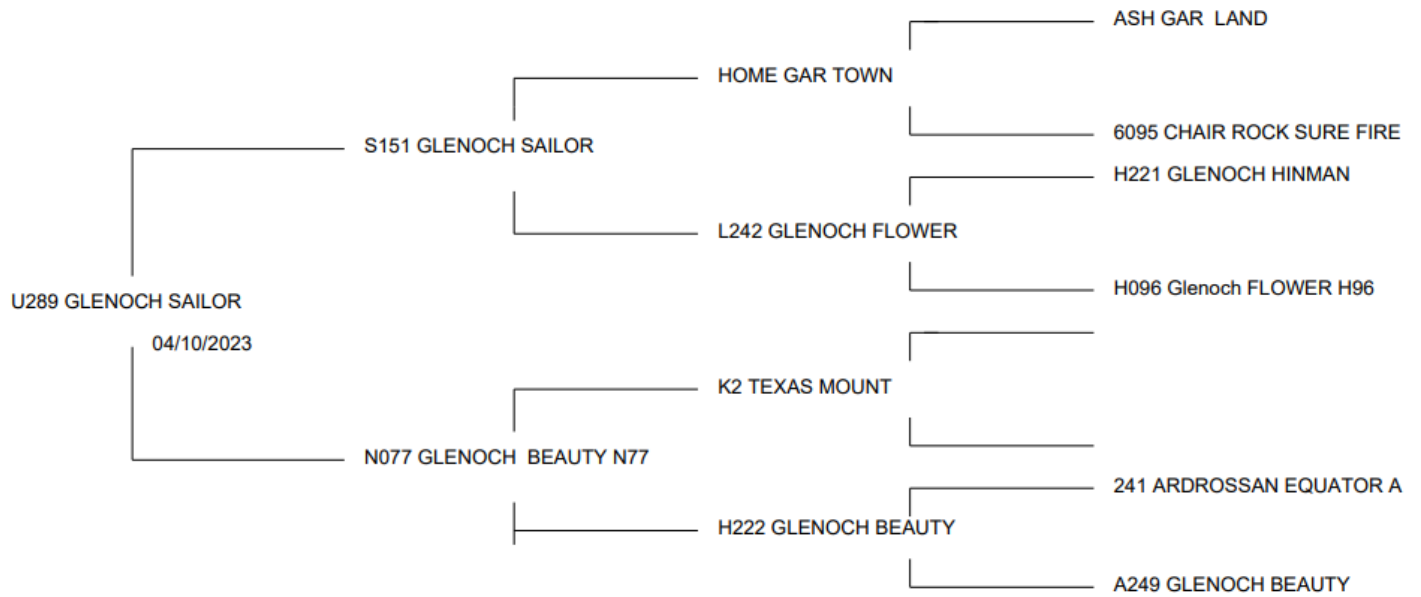


EBV Type: G

CED	CEM	GL	BW	200	400	600	MAT	MILK	SS	DTC	CWT	EMA	RIB	RMP	RBV	IMF	DOC	NFI
+3.4	+1.5	-4.3	+4.1	+54	+99	+115	+100	+15	+1.7	-4.3	+61	+8.0		+3.5	+0.4	+1.9	+19.0	-0.05



Pedigree for U289

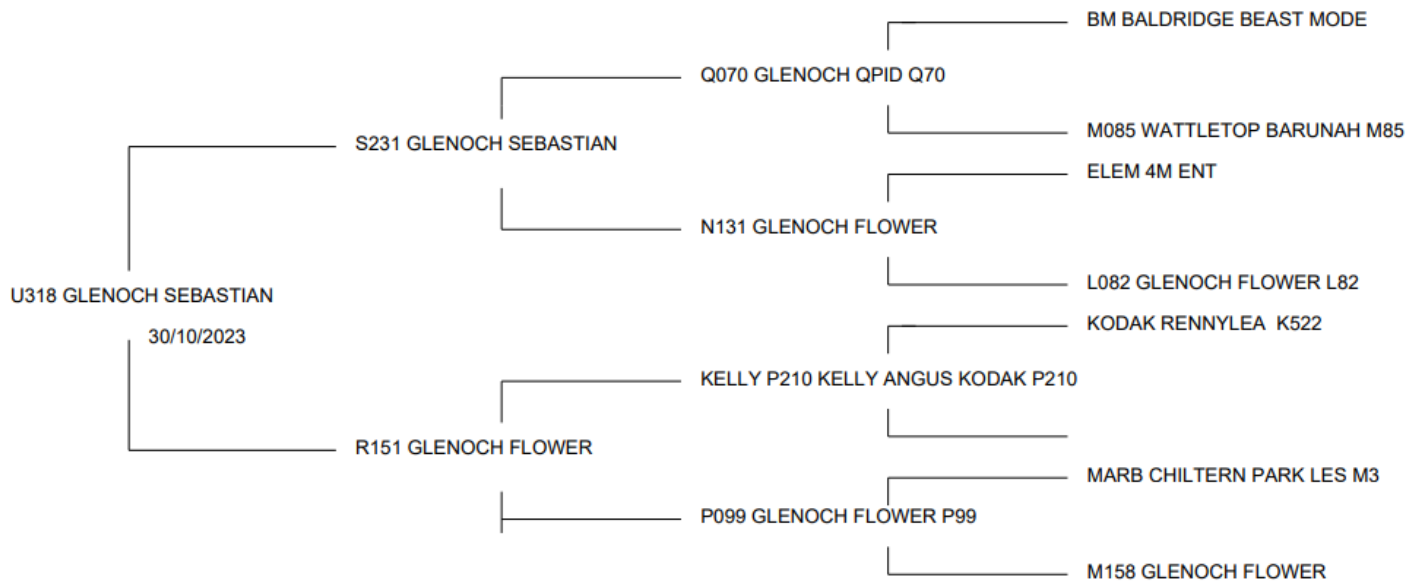


EBV Type: G

CED	CEM	GL	BW	200	400	600	MAT	MILK	SS	DTC	CWT	EMA	RIB	RMP	RBY	IMF	DOC	NFI
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Pedigree for U318

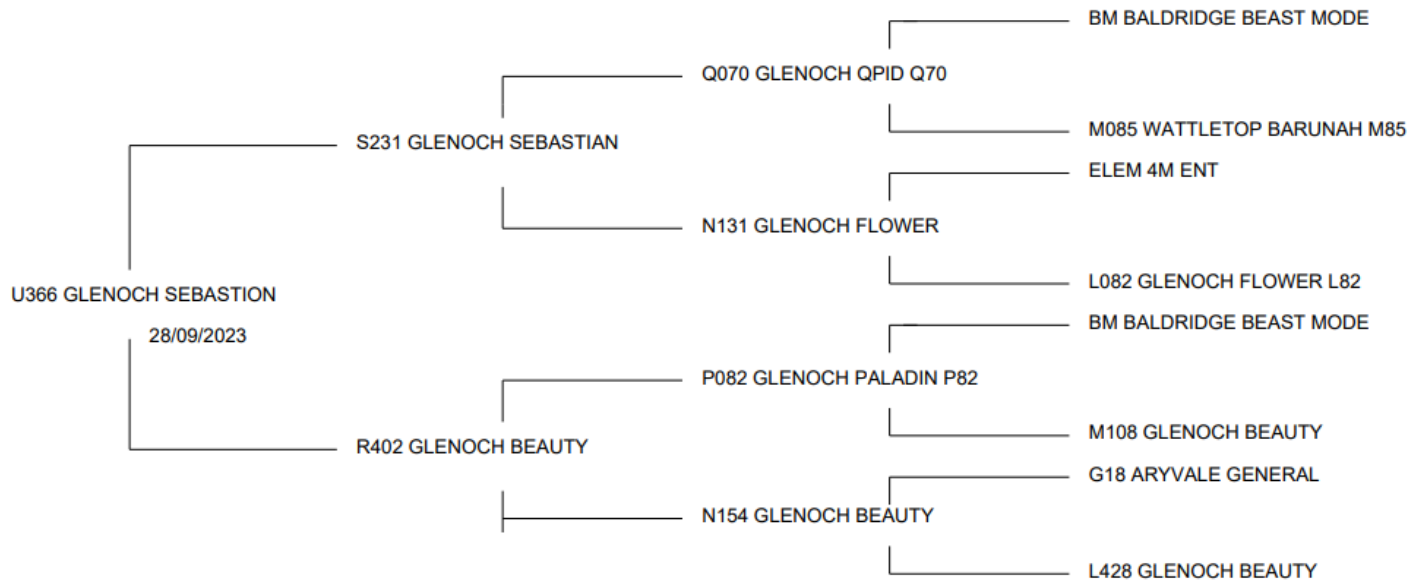


EBV Type: G

CED	CEM	GL	BW	200	400	600	MAT	MILK	SS	DTC	CWT	EMA	RIB	RMP	RBY	IMF	DOC	NFI
+3.4	+0.6	-5.3	+2.2	+58	+98	+125	+102	+16	+2.5	-4.9	+68	+4.5		+0.3	-0.1	+1.8	+9.0	-0.06



Pedigree for U366

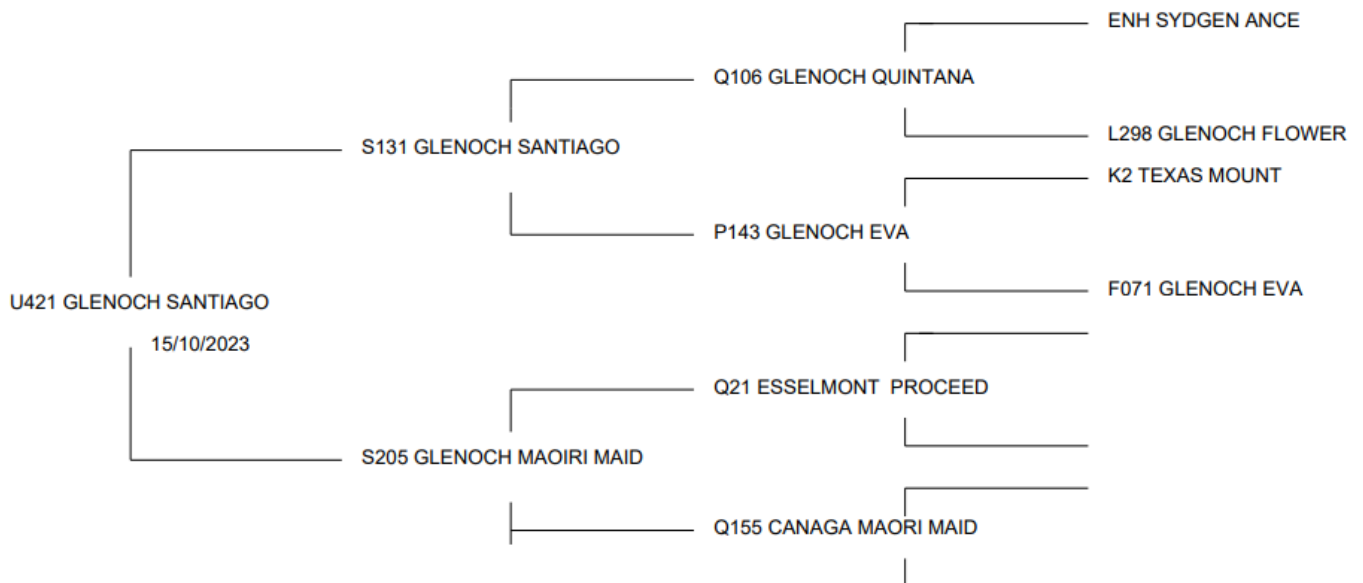


EBV Type: G

CED	CEM	GL	BW	200	400	600	MAT	MILK	SS	DTC	CWT	EMA	RIB	RMP	RBY	IMF	DOC	NFI
+4.6	+0.6	-2.8	+3.0	+59	+96	+122	+102	+15	+0.7	-5.7	+75	-1.1		+1.2	-0.2	+1.2	+16.0	+0.33



Pedigree for U421

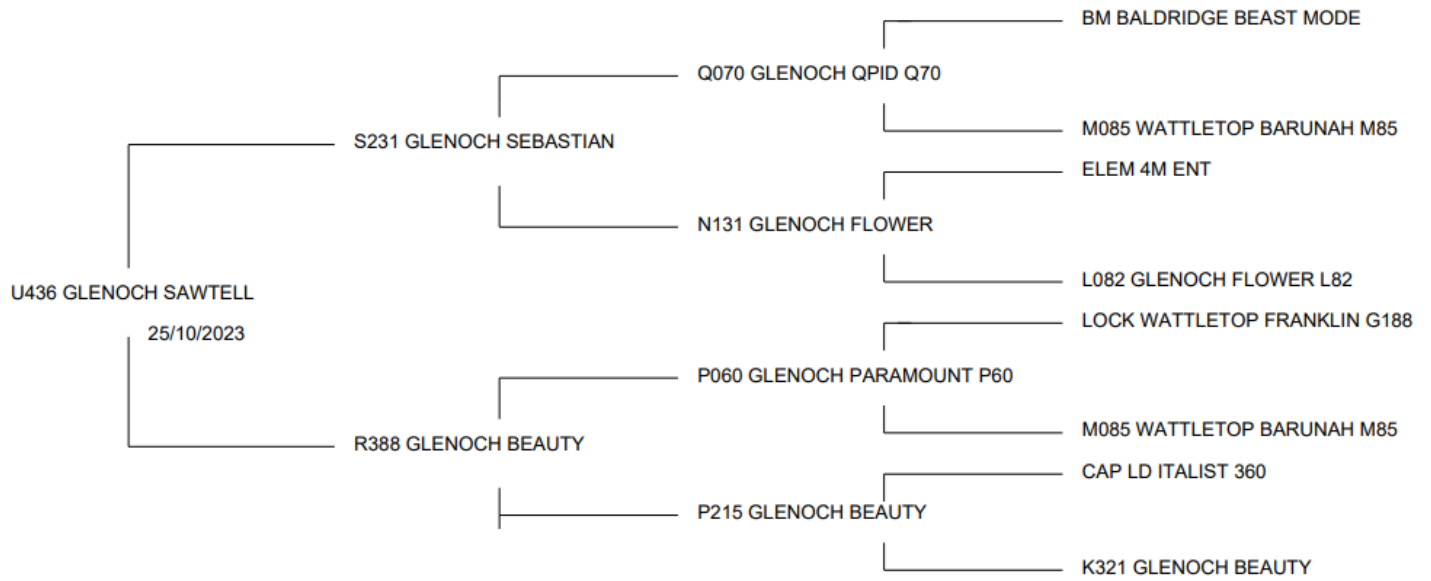


EBV Type: G

CED	CEM	GL	BW	200	400	600	MAT	MILK	SS	DTC	CWT	EMA	RIB	RMP	RBY	IMF	DOC	NFI



Pedigree for U436

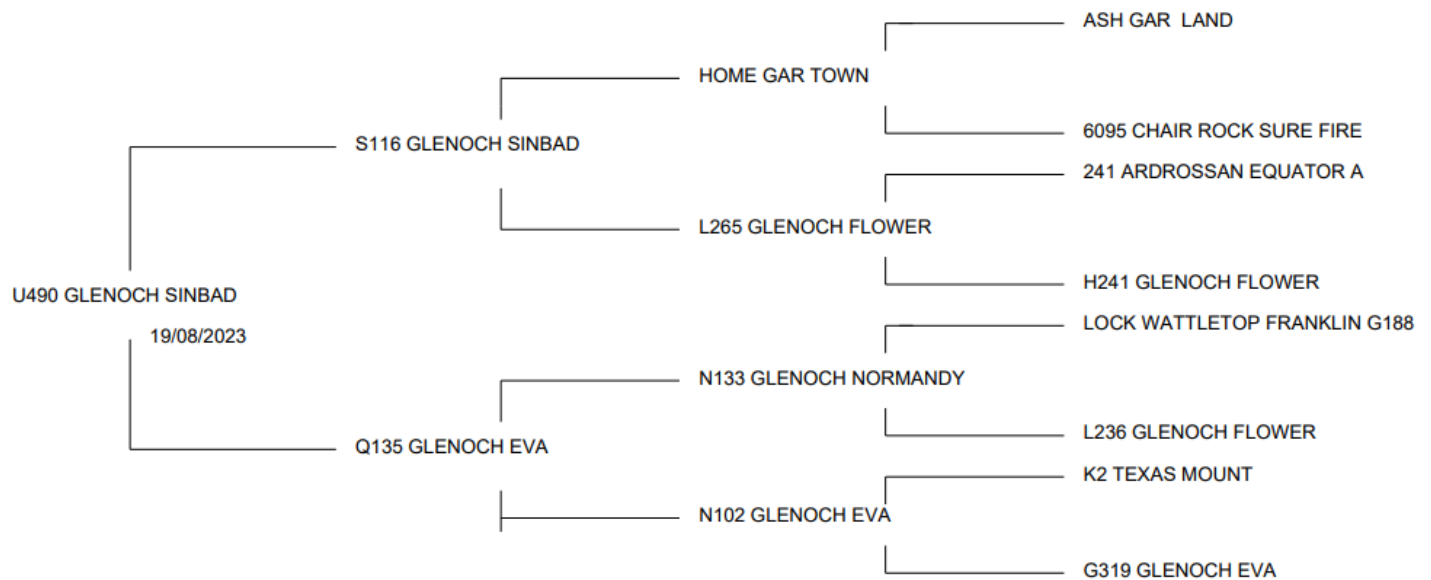


EBV Type: G

CED	CEM	GL	BW	200	400	600	MAT	MILK	SS	DTC	CWT	EMA	RIB	RMP	RBV	IMF	DOC	NFI
+0.5	+4.6	-7.2	+3.9	+70	+116	+148	+137	+12	+0.4	-4.2	+90	-0.4		-1.3	-0.5	+1.8	+24.0	-0.43



Pedigree for U490



EBV Type: G

CED	CEM	GL	BW	200	400	600	MAT	MILK	SS	DTC	CWT	EMA	RIB	RMP	RBV	IMF	DOC	NFI
-2.5	-1.7	-8.7	+4.7	+64	+105	+144	+164	+13	+2.1	-6.0	+74	+3.6		+1.6	-0.4	+2.0	+35.0	-0.42