

Supplemental Table 1. Epiphyseal Fusion Data for Individual Sheep/Goat Elements from Marj Rabba.

Identificator Element	Fusion
2956 Calcaneus	Fused
4146 Calcaneus	Fused
4773 Calcaneus	Fused
6236 Calcaneus	Fused
6466 Calcaneus	Fused
8047 Calcaneus	Fused
923 Calcaneus	Unfused
1723 Calcaneus	Unfused
3013 Calcaneus	Unfused
3191 Calcaneus	Unfused
4148 Calcaneus	Unfused
4224 Calcaneus	Unfused
4473 Calcaneus	Unfused
7698 Calcaneus	Unfused
7844 Calcaneus	Unfused
8294 Calcaneus	Unfused
8969 Calcaneus	Unfused
8996 Calcaneus	Unfused
11132 Calcaneus	Unfused
11295 Calcaneus	Unfused
20046 Calcaneus	Unfused
20047 Calcaneus	Unfused
4986 Calcaneus	Unfused
9008 Calcaneus	Unfused
11219 Calcaneus	Unfused
8326 Px.Femur	Fused
6491 Px.Femur	Fused
2170 Px.Femur	Unfused
2803 Px.Femur	Unfused
3177 Px.Femur	Unfused
3187 Px.Femur	Unfused
6445 Px.Femur	Unfused
6657 Px.Femur	Unfused
8035 Px.Femur	Unfused
20049 Px.Femur	Unfused
2164 Px.Femur	Unfused
7937 Px.Femur	Unfused
7962 Px.Femur	Unfused
11307 Px.Femur	Unfused
8975 Ds.Femur	Fused
11230 Ds.Femur	Fused
20000 Ds.Femur	Fused

1143	Ds.Femur	Fused
4160	Ds.Femur	Unfused
8664	Ds.Femur	Unfused
8938	Ds.Femur	Unfused
20048	Ds.Femur	Unfused
146	Ds.Femur	Unfused
147	Ds.Femur	Unfused
4763	Ds.Femur	Unfused
6658	Ds.Femur	Unfused
9146	Ds.Femur	Unfused
11036	Ds.Femur	Unfused
11117	Ds.Femur	Unfused
9042	Ds.Humerus	Fused
1791	Px.Humerus	Unfused
6179	Px.Humerus	Unfused
4214	Px.Humerus	Unfused
4608	Px.Humerus	Unfused
543	Ds.Humerus	Fused
626	Ds.Humerus	Fused
697	Ds.Humerus	Fused
781	Ds.Humerus	Fused
848	Ds.Humerus	Fused
883	Ds.Humerus	Fused
950	Ds.Humerus	Fused
2373	Ds.Humerus	Fused
2573	Ds.Humerus	Fused
2692	Ds.Humerus	Fused
3156	Ds.Humerus	Fused
3454	Ds.Humerus	Fused
3491	Ds.Humerus	Fused
3696	Ds.Humerus	Fused
4366	Ds.Humerus	Fused
4483	Ds.Humerus	Fused
4566	Ds.Humerus	Fused
4692	Ds.Humerus	Fused
4760	Ds.Humerus	Fused
4770	Ds.Humerus	Fused
4796	Ds.Humerus	Fused
4871	Ds.Humerus	Fused
6398	Ds.Humerus	Fused
7119	Ds.Humerus	Fused
7554	Ds.Humerus	Fused
7850	Ds.Humerus	Fused

8292 Ds.Humerus Fused
8334 Ds.Humerus Fused
8871 Ds.Humerus Fused
10443 Ds.Humerus Fused
11099 Ds.Humerus Fused
11255 Ds.Humerus Fused
11275 Ds.Humerus Fused
11315 Ds.Humerus Fused
20001 Ds.Humerus Fused
20002 Ds.Humerus Fused
20003 Ds.Humerus Fused
20004 Ds.Humerus Fused
20005 Ds.Humerus Fused
20006 Ds.Humerus Fused
20007 Ds.Humerus Fused
20008 Ds.Humerus Fused
10295 Ds.Humerus Fused
11314 Ds.Humerus Fused
11477 Ds.Humerus Fused
11482 Ds.Humerus Fused
285 Ds.Humerus Unfused
7671 Ds.Humerus Unfused
8318 Ds.Humerus Unfused
20051 Ds.Humerus Unfused
20050 Ds.Humerus Unfused
3241 Innominate Fused
4130 Innominate Fused
4182 Innominate Fused
8074 Innominate Fused
420 Innominate Fused
710 Innominate Fused
2404 Innominate Fused
3342 Innominate Fused
3669 Innominate Fused
3862 Innominate Fused
6957 Innominate Fused
6958 Innominate Fused
6978 Innominate Fused
7240 Innominate Fused
7261 Innominate Fused
7947 Innominate Fused
8058 Innominate Fused
8075 Innominate Fused

8077	Innominate	Fused
8532	Innominate	Fused
8818	Innominate	Fused
11013	Innominate	Fused
11344	Innominate	Fused
20009	Innominate	Fused
20010	Innominate	Fused
20011	Innominate	Fused
20012	Innominate	Fused
549	Innominate	Unfused
9139	Innominate	Unfused
1630	Innominate	Unfused
9138	Innominate	Unfused
20052	Innominate	Unfused
20053	Innominate	Unfused
5098	Innominate	Fused
7840	Innominate	Fused
8836	Innominate	Fused
9170	Innominate	Fused
20013	Innominate	Fused
20014	Innominate	Fused
20015	Innominate	Fused
930	Innominate	Unfused
4755	Innominate	Fused
20054	Innominate	Unfused
1124	Metacarpal	Fused
6590	Metacarpal	Fused
9290	Metacarpal	Fused
11119	Metacarpal	Fused
8846	Metacarpal	Fused
858	Metacarpal	Unfused
880	Metacarpal	Unfused
953	Metacarpal	Unfused
1230	Metacarpal	Unfused
2403	Metacarpal	Unfused
3037	Metacarpal	Unfused
3421	Metacarpal	Unfused
3644	Metacarpal	Unfused
6395	Metacarpal	Unfused
6601	Metacarpal	Unfused
7804	Metacarpal	Unfused
7817	Metacarpal	Unfused
8460	Metacarpal	Unfused

9217	Metacarpal	Unfused
3038	Metacarpal	Unfused
73	Metapodial	Fused
811	Metapodial	Fused
1818	Metapodial	Fused
2282	Metapodial	Fused
2618	Metapodial	Fused
3034	Metapodial	Fused
4482	Metapodial	Fused
4835	Metapodial	Fused
7761	Metapodial	Fused
7849	Metapodial	Fused
8219	Metapodial	Fused
10257	Metapodial	Fused
20016	Metapodial	Fused
20017	Metapodial	Fused
20018	Metapodial	Fused
3040	Metapodial	Unfused
3328	Metapodial	Unfused
4133	Metapodial	Unfused
4461	Metapodial	Unfused
20061	Metapodial	Unfused
418	Metapodial	Unfused
2452	Metapodial	Unfused
2906	Metapodial	Unfused
3300	Metapodial	Unfused
3852	Metapodial	Unfused
6016	Metapodial	Unfused
6112	Metapodial	Unfused
6458	Metapodial	Unfused
6900	Metapodial	Unfused
7482	Metapodial	Unfused
7740	Metapodial	Unfused
7915	Metapodial	Unfused
8130	Metapodial	Unfused
9101	Metapodial	Unfused
9141	Metapodial	Unfused
11162	Metapodial	Unfused
11411	Metapodial	Unfused
20055	Metapodial	Unfused
20056	Metapodial	Unfused
20057	Metapodial	Unfused
20058	Metapodial	Unfused

20059	Metapodial	Unfused
20060	Metapodial	Unfused
404	Metatarsal	Fused
1166	Metatarsal	Fused
2680	Metatarsal	Fused
7643	Metatarsal	Fused
20019	Metatarsal	Fused
7452	Metatarsal	Fused
6053	Metatarsal	Unfused
7812	Metatarsal	Unfused
9031	Metatarsal	Unfused
9035	Metatarsal	Unfused
298	Phalanx1	Fused
503	Phalanx1	Fused
526	Phalanx1	Fused
592	Phalanx1	Fused
855	Phalanx1	Fused
1217	Phalanx1	Fused
1865	Phalanx1	Fused
2023	Phalanx1	Fused
2505	Phalanx1	Fused
2594	Phalanx1	Fused
3082	Phalanx1	Fused
3186	Phalanx1	Fused
3190	Phalanx1	Fused
3196	Phalanx1	Fused
3668	Phalanx1	Fused
4126	Phalanx1	Fused
4752	Phalanx1	Fused
5081	Phalanx1	Fused
6044	Phalanx1	Fused
7197	Phalanx1	Fused
7559	Phalanx1	Fused
7656	Phalanx1	Fused
7697	Phalanx1	Fused
7968	Phalanx1	Fused
8319	Phalanx1	Fused
8497	Phalanx1	Fused
8498	Phalanx1	Fused
9177	Phalanx1	Fused
11043	Phalanx1	Fused
11093	Phalanx1	Fused
20020	Phalanx1	Fused

20021	Phalanx1	Fused
20022	Phalanx1	Fused
20023	Phalanx1	Fused
20024	Phalanx1	Fused
20025	Phalanx1	Fused
20026	Phalanx1	Fused
3683	Phalanx1	Fused
160	Phalanx1	Unfused
511	Phalanx1	Unfused
753	Phalanx1	Unfused
807	Phalanx1	Unfused
1281	Phalanx1	Unfused
1494	Phalanx1	Unfused
1531	Phalanx1	Unfused
2645	Phalanx1	Unfused
2649	Phalanx1	Unfused
4127	Phalanx1	Unfused
4776	Phalanx1	Unfused
4807	Phalanx1	Unfused
7642	Phalanx1	Unfused
8086	Phalanx1	Unfused
9168	Phalanx1	Unfused
9181	Phalanx1	Unfused
20062	Phalanx1	Unfused
20064	Phalanx1	Unfused
20065	Phalanx1	Unfused
20066	Phalanx1	Unfused
20067	Phalanx1	Unfused
1146	Phalanx1	Unfused
1175	Phalanx1	Unfused
1762	Phalanx1	Unfused
3447	Phalanx1	Unfused
4055	Phalanx1	Unfused
4901	Phalanx1	Unfused
6561	Phalanx1	Unfused
9192	Phalanx1	Unfused
11430	Phalanx1	Unfused
20063	Phalanx1	Unfused
20068	Phalanx1	Unfused
127	Phalanx2	Fused
299	Phalanx2	Fused
465	Phalanx2	Fused
527	Phalanx2	Fused

871 Phalanx2	Fused
916 Phalanx2	Fused
925 Phalanx2	Fused
993 Phalanx2	Fused
1549 Phalanx2	Fused
1724 Phalanx2	Fused
2007 Phalanx2	Fused
2262 Phalanx2	Fused
2388 Phalanx2	Fused
2760 Phalanx2	Fused
2883 Phalanx2	Fused
3610 Phalanx2	Fused
3789 Phalanx2	Fused
3941 Phalanx2	Fused
4005 Phalanx2	Fused
4372 Phalanx2	Fused
4507 Phalanx2	Fused
4628 Phalanx2	Fused
5076 Phalanx2	Fused
6390 Phalanx2	Fused
7548 Phalanx2	Fused
7702 Phalanx2	Fused
7706 Phalanx2	Fused
7793 Phalanx2	Fused
7855 Phalanx2	Fused
8100 Phalanx2	Fused
8386 Phalanx2	Fused
8480 Phalanx2	Fused
8966 Phalanx2	Fused
11159 Phalanx2	Fused
20027 Phalanx2	Fused
20028 Phalanx2	Fused
20029 Phalanx2	Fused
20030 Phalanx2	Fused
20031 Phalanx2	Fused
20032 Phalanx2	Fused
20033 Phalanx2	Fused
20034 Phalanx2	Fused
20035 Phalanx2	Fused
20036 Phalanx2	Fused
20037 Phalanx2	Fused
20038 Phalanx2	Fused
6612 Phalanx2	Fused

20044	Phalanx2	Fused
1012	Phalanx2	Unfused
1725	Phalanx2	Unfused
2332	Phalanx2	Unfused
2390	Phalanx2	Unfused
2443	Phalanx2	Unfused
2595	Phalanx2	Unfused
3129	Phalanx2	Unfused
4092	Phalanx2	Unfused
7454	Phalanx2	Unfused
8258	Phalanx2	Unfused
8933	Phalanx2	Unfused
20069	Phalanx2	Unfused
11097	Phalanx2	Unfused
300	Px.Radius	Fused
392	Px.Radius	Fused
631	Px.Radius	Fused
698	Px.Radius	Fused
720	Px.Radius	Fused
1120	Px.Radius	Fused
1819	Px.Radius	Fused
2935	Px.Radius	Fused
2970	Px.Radius	Fused
3440	Px.Radius	Fused
3489	Px.Radius	Fused
3822	Px.Radius	Fused
4503	Px.Radius	Fused
4788	Px.Radius	Fused
6127	Px.Radius	Fused
6128	Px.Radius	Fused
6187	Px.Radius	Fused
6192	Px.Radius	Fused
6535	Px.Radius	Fused
6951	Px.Radius	Fused
7184	Px.Radius	Fused
8148	Px.Radius	Fused
8243	Px.Radius	Fused
8333	Px.Radius	Fused
8847	Px.Radius	Fused
9136	Px.Radius	Fused
10178	Px.Radius	Fused
11176	Px.Radius	Fused
20039	Px.Radius	Fused

20040 Px.Radius	Fused
4472 Px.Radius	Fused
627 Px.Radius	Unfused
8810 Px.Radius	Unfused
84 Ds.Radius	Fused
8701 Ds.Radius	Fused
10217 Ds.Radius	Fused
4775 Ds.Radius	Unfused
6540 Ds.Radius	Unfused
7185 Ds.Radius	Unfused
8048 Ds.Radius	Unfused
8503 Ds.Radius	Unfused
1638 Ds.Radius	Unfused
4480 Ds.Radius	Unfused
4643 Ds.Radius	Unfused
4984 Ds.Radius	Unfused
6318 Ds.Radius	Unfused
7453 Ds.Radius	Unfused
7520 Ds.Radius	Unfused
7667 Ds.Radius	Unfused
10258 Ds.Radius	Unfused
942 Scapula	Fused
1247 Scapula	Fused
1361 Scapula	Fused
6650 Scapula	Fused
7237 Scapula	Fused
7332 Scapula	Fused
7736 Scapula	Fused
8278 Scapula	Fused
8381 Scapula	Fused
11049 Scapula	Fused
11225 Scapula	Fused
20041 Scapula	Fused
960 Scapula	Unfused
4136 Scapula	Unfused
4964 Scapula	Unfused
8887 Scapula	Unfused
11356 Scapula	Unfused
902 Px.Tibia	Fused
1160 Px.Tibia	Fused
7399 Px.Tibia	Fused
7644 Px.Tibia	Fused
8311 Px.Tibia	Fused

8629 Px.Tibia	Unfused
8875 Px.Tibia	Unfused
3950 Px.Tibia	Unfused
158 Ds.Tibia	Fused
604 Ds.Tibia	Fused
901 Ds.Tibia	Fused
1995 Ds.Tibia	Fused
4176 Ds.Tibia	Fused
4217 Ds.Tibia	Fused
4620 Ds.Tibia	Fused
4733 Ds.Tibia	Fused
5079 Ds.Tibia	Fused
6181 Ds.Tibia	Fused
7417 Ds.Tibia	Fused
7451 Ds.Tibia	Fused
7977 Ds.Tibia	Fused
9113 Ds.Tibia	Fused
9266 Ds.Tibia	Fused
11208 Ds.Tibia	Fused
11312 Ds.Tibia	Fused
11313 Ds.Tibia	Fused
20042 Ds.Tibia	Fused
20043 Ds.Tibia	Fused
4506 Ds.Tibia	Fused
7550 Ds.Tibia	Fused
7848 Ds.Tibia	Fused
7895 Ds.Tibia	Fused
8210 Ds.Tibia	Fused
11439 Ds.Tibia	Fused
20045 Ds.Tibia	Fused
7243 Ds.Tibia	Unfused
11006 Ds.Tibia	Unfused
11147 Ds.Tibia	Unfused
20070 Ds.Tibia	Unfused
203 Ds.Tibia	Unfused
1014 Ds.Tibia	Unfused
2283 Ds.Tibia	Unfused
3012 Ds.Tibia	Unfused
6019 Ds.Tibia	Unfused
9214 Ds.Tibia	Unfused
20071 Ds.Tibia	Unfused
632 Px.Ulna	Fused
4454 Px.Ulna	Fused

6534	Px.Ulna	Fused
699	Px.Ulna	Unfused
2100	Px.Ulna	Unfused
4159	Px.Ulna	Unfused
8275	Px.Ulna	Unfused
9231	Px.Ulna	Unfused
20072	Px.Ulna	Unfused
9042	Px.Humerus	Fused