

**METACARPAL 20%**

One-way PERMANOVA p-values

	Rtcaribou_MS	Rtcaribou_BS	Rtpeary_TM	Rtgroenlandicus_TM	Rtgranti_TM	Rtcaribou_MM	Rtcaribou_TM
Rtcaribou_MS		0,453	0,0604	0,0319	0,0055	0,0076	0,0101
Rtcaribou_BS	0,453		0,0121	0,0062	0,004	0,0018	0,0003
Rtpeary_TM	0,0604	0,0121		0,5605	0,0919	0,374	0,7784
Rtgroenlandicus_TM	0,0319	0,0062	0,5605		0,0163	0,1439	0,5973
Rtgranti_TM	0,0055	0,004	0,0919	0,0163		0,008	0,0238
Rtcaribou_MM	0,0076	0,0018	0,374	0,1439	0,008		0,4208
Rtcaribou_TM	0,0101	0,0003	0,7784	0,5973	0,0238	0,4208	

**Codes:**

Rtcaribou\_MS= Rangifer tarandus caribou Mountain Sedentary

Rtcaribou\_BS= Rangifer tarandus caribou BorealForest Sedentary

Rtpeary\_TM= Rangifer tarandus peary Tundra Migratory

Rtgroenlandicus\_TM= Rangifer tarandus groenlandicus Tundra Migratory

Rtgranti\_TM= Rangifer tarandus granti Tundra Migratory

Rtcaribou\_MM= Rangifer tarandus caribou Mountain Migratory

Rtcaribou\_TM= Rangifer tarandus caribou Tundra Migratory

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One-way PERMANOVA p-values

	Rtcaribou_MS	Rtcaribou_BS	Rtpeary_TM	Rtgroenlandicus_TM	Rtgranti_TM	Rtcaribou_MM	Rtcaribou_TM
Rtcaribou_MS		0,1647	0,0002	0,0371	0,079	0,0493	0,0258
Rtcaribou_BS	0,1647		0,0044	0,0612	0,6389	0,0052	0,052
Rtpeary_TM	0,0002	0,0044		0,0365	0,0484	0,0027	0,0024
Rtgroenlandicus_TM	0,0371	0,0612	0,0365		0,1356	0,1793	0,1602
Rtgranti_TM	0,079	0,6389	0,0484	0,1356		0,0399	0,2564
Rtcaribou_MM	0,0493	0,0052	0,0027	0,1793	0,0399		0,0823
Rtcaribou_TM	0,0258	0,052	0,0024	0,1602	0,2564	0,0823	

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Rtcaribou\_MM= Rangifer tarandus caribou Mountain Migratory

Rtcaribou\_TM= Rangifer tarandus caribou Tundra Migratory

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**METACARPAL 50%**

One-way PERMANOVA p-values

	Rtcaribou_MS	Rtcaribou_BS	Rtpeary_TM	Rtgroenlandicus_TM	Rtgranti_TM	Rtcaribou_MM	Rtcaribou_TM
Rtcaribou_MS		0,5994	0,1629	0,1942	0,3042	0,5399	0,1735
Rtcaribou_BS	0,5994		0,1358	0,1456	0,1859	0,3932	0,0705
Rtpeary_TM	0,1629	0,1358		0,2473	0,575	0,5873	0,2124
Rtgroenlandicus_TM	0,1942	0,1456	0,2473		0,4944	0,5894	0,4886
Rtgranti_TM	0,3042	0,1859	0,575	0,4944		0,7264	0,7496
Rtcaribou_MM	0,5399	0,3932	0,5873	0,5894	0,7264		0,685
Rtcaribou_TM	0,1735	0,0705	0,2124	0,4886	0,7496	0,685	

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**METACARPAL 65%**

One-way PERMANOVA p-values

	Rtcaribou_MS	Rtcaribou_BS	Rtpeary_TM	Rtgroenlandicus_TM	Rtgranti_TM	Rtcaribou_MM	Rtcaribou_TM
Rtcaribou_MS		0,2936	0,0691	0,1387	0,3012	0,1131	<b>0,003</b>
Rtcaribou_BS	0,2936		0,3185	0,0943	0,245	0,0747	0,0556
Rtpeary_TM	0,0691	0,3185		0,0559	0,5056	<b>0,0223</b>	0,3525
Rtgroenlandicus_TM	0,1387	0,0943	0,0559		0,2119	0,7852	<b>0,028</b>
Rtgranti_TM	0,3012	0,245	0,5056	0,2119		0,1256	0,0879
Rtcaribou_MM	0,1131	0,0747	<b>0,0223</b>	0,7852	0,1256		<b>0,0128</b>
Rtcaribou_TM	<b>0,003</b>	0,0556	0,3525	<b>0,028</b>	0,0879	<b>0,0128</b>	

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**METACARPAL 80%**

One-way PERMANOVA p-values

	Rtcaribou_MS	Rtcaribou_BS	Rtcaribou_MM	Rtpeary_TM	Rtgroenlandicus_TM	Rtgranti_TM	Rtcaribou_TM
Rtcaribou_MS		0,3107	0,0572	0,0058	0,2316	0,54	0,0077
Rtcaribou_BS	0,3107		0,3326	0,4038	0,3324	0,338	0,5794
Rtcaribou_MM	0,0572	0,3326		0,0018	0,7091	0,2209	0,6027
Rtpeary_TM	0,0058	0,4038	0,0018		0,0085	0,0093	0,0026
Rtgroenlandicus_TM	0,2316	0,3324	0,7091	0,0085		0,6172	0,175
Rtgranti_TM	0,54	0,338	0,2209	0,0093	0,6172		0,0526
Rtcaribou_TM	0,0077	0,5794	0,6027	0,0026	0,175	0,0526	

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One-way PERMANOVA p-values

	Rt caribou_MM	Rt caribou_MS	Rt caribou_BS	Rt caribou_TM	Rt peary_TM	Rt granti_TM	Rt groenlandicus_TM
Rt caribou_MM		0.2238	0.0207	0.0734	0.0032	0.0733	0.2533
Rt caribou_MS	0.2238		0.6835	0.4432	0.2649	0.2513	1
Rt caribou_BS	0.0207	0.6835		0.2707	0.0152	0.0069	0.1111
Rt caribou_TM	0.0734	0.4432	0.2707		0.002	0.0016	0.1048
Rt peary_TM	0.0032	0.2649	0.0152	0.002		0.0074	0.1897
Rt granti_TM	0.0733	0.2513	0.0069	0.0016	0.0074		0.0358
Rt groenlandicus_TM	0.2533	1	0.1111	0.1048	0.1897	0.0358	

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Rt caribou_MM		0,2411	0,053	0,0006	0,0001	0,948	0,0981
Rt caribou_MS	0,2411		0,3137	0,003	0,0004	0,3577	0,3341
Rt caribou_BS	0,053	0,3137		0,0041	0,0001	0,1494	0,0177
Rt caribou_TM	0,0006	0,003	0,0041		0,2031	0,0327	0,0242
Rt peary_TM	0,0001	0,0004	0,0001	0,2031		0,0041	0,0041
Rt granti_TM	0,948	0,3577	0,1494	0,0327	0,0041		0,3357
Rt groenlandicus_TM	0,0981	0,3341	0,0177	0,0242	0,0041	0,3357	

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	Rt caribou_MM	Rt caribou_MS	Rt caribou_BS	Rt caribou_TM	Rt peary_TM	Rt granti_TM	Rt groenlandicus_TM
Rt caribou_MM		0,9702	0,0606	0,7903	0,0088	0,8181	0,3396
Rt caribou_MS	0,9702		0,1243	0,6906	0,1311	0,8662	0,3292
Rt caribou_BS	0,0606	0,1243		0,1487	0,0007	0,042	0,5944
Rt caribou_TM	0,7903	0,6906	0,1487		0,0191	0,5714	0,3123
Rt peary_TM	0,0088	0,1311	0,0007	0,0191		0,0308	0,0605
Rt granti_TM	0,8181	0,8662	0,042	0,5714	0,0308		0,2713
Rt groenlandicus_TM	0,3396	0,3292	0,5944	0,3123	0,0605	0,2713	

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Rt caribou_MM		0,954	0,0416	0,7137	0,0103	0,7456	0,307
Rt caribou_MS	0,954		0,2658	0,7627	0,1376	0,9721	0,2993
Rt caribou_BS	0,0416	0,2658		0,1431	0,0007	0,043	0,5942
Rt caribou_TM	0,7137	0,7627	0,1431		0,0176	0,5743	0,3122
Rt peary_TM	0,0103	0,1376	0,0007	0,0176		0,0309	0,0603
Rt granti_TM	0,7456	0,9721	0,043	0,5743	0,0309		0,2751
Rt groenlandicus_TM	0,307	0,2993	0,5942	0,3122	0,0603	0,2751	

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	Rt caribou_MM	Rt caribou_MS	Rt caribou_BS	Rt caribou_TM	Rt peary_TM	Rt granti_TM	Rt groenlandicus_TM
Rt caribou_MM		0,891	0,1435	0,3446	0,0002	0,3222	0,2745
Rt caribou_MS	0,891		0,7778	0,7618	0,0629	0,6588	0,4116
Rt caribou_BS	0,1435	0,7778		0,4729	0,0016	0,2221	0,2505
Rt caribou_TM	0,3446	0,7618	0,4729		0,0017	0,2685	0,2205
Rt peary_TM	0,0002	0,0629	0,0016	0,0017		0,001	0,0244
Rt granti_TM	0,3222	0,6588	0,2221	0,2685	0,001		0,2386
Rt groenlandicus_TM	0,2745	0,4116	0,2505	0,2205	0,0244	0,2386	

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