

Supplement 1

Table S1. Leopard skate, *Bathyraja panthera*, samples included in the RAD sequencing analysis. Specimens highlighted in bold are associated with morphological specimens archived in the UW Fish Collection (UW); others are supported by photo vouchers only, also archived in the UW

Species	Genetics Code	Voucher number	Date	Latitude	Longitude	Depth (m)
<i>B. panthera</i>	<i>B.pan 063</i>	UW116849	28-Jun-06	52.20468	-179.96899	93
<i>B. panthera</i>	<i>B.pan 064</i>	UW116863	29-Jun-06	52.67438	-179.3521	147
<i>B. panthera</i>	<i>B.pan 111</i>	UW116986	16-Jul-06	51.7529	175.67661	91
<i>B. panthera</i>	<i>B.pan 112</i>	UW116987	16-Jul-06	51.85643	175.892	87
<i>B. panthera</i>	<i>B.pan 113</i>	UW116988	17-Jul-06	51.77662	175.91521	86
<i>B. panthera</i>	<i>B.pan 116</i>	UW116988	17-Jul-06	51.77662	175.91521	86
<i>B. panthera</i>	<i>B.pan 117</i>	UW116988	17-Jul-06	51.77662	175.91521	86
<i>B. panthera</i>	<i>B.pan 118</i>	UW116989	17-Jul-06	52.12325	176.23801	229
<i>B. panthera</i>	<i>B.pan 119</i>	UW116989	17-Jul-06	52.12325	176.23801	229
<i>B. panthera</i>	<i>B.pan 123</i>	UW116989	17-Jul-06	52.12325	176.23801	229
<i>B. panthera</i>	<i>B.pan 126</i>	UW116991	18-Jul-06	51.99049	178.2126	90

Table S2. Individual name, sex, visual stage, length (mm), collection location, and collection year for all embryos sequenced using RADseq. Sex 1 = male, 2 = female, 3 = undetermined

Available in Supplement 2 at http://www.int-res.com/articles/suppl/m670p155_suppl.xlsx

Table S3. Bayesian Information Criterion (BIC) values for each number of clusters $k = \{1, 2, 3, 4, 5\}$, determined using the *find.clusters* algorithm.

k	1	2	3	4	5
BIC	2573.765	2333.804	2328.257	2331.114	2334.848