

- 1 Supplementary file 5: The different models on the habitat selection of harbour seals in the *Baie*
 2 *des Veys* with Akaike's information criterion (AIC) values.

Models	AIC	Explained deviance (%)
track_pt ~ distance to haulout + distance to coast + bathymetry + sediment type + tidal current + Signal Excess + re(SEALID)	16061.25	71.8
track_pt ~ distance to haulout + distance to coast + bathymetry + sediment type + tidal current + re(SEALID)	16066.49	71.7
track_pt ~ distance to haulout + distance to coast + bathymetry + sediment type + Signal Excess + re(SEALID)	16085.18	71.7
track_pt ~ distance to haulout + distance to coast + bathymetry + sediment type + re(SEALID)	16089.45	71.7
track_pt ~ distance to haulout + distance to coast + bathymetry + tidal current + re(SEALID)	16142.07	71.6
track_pt ~ distance to haulout + distance to coast + bathymetry + Signal Excess + re(SEALID)	16163.29	71.5
track_pt ~ distance to haulout + distance to coast + bathymetry + re(SEALID)	16167.42	71.5
track_pt ~ distance to haulout + distance to coast + sediment type + re(SEALID)	16556.35	70.9
track_pt ~ distance to haulout + distance to coast + tidal current + re(SEALID)	16615.82	70.7
track_pt ~ distance to haulout + distance to coast + Signal Excess + re(SEALID)	16631.34	70.7
track_pt ~ distance to haulout + distance to coast + re(SEALID)	16643.36	70.7
track_pt ~ distance to haulout + bathymetry + re(SEALID)	16676.89	70.6
track_pt ~ distance to haulout + sediment type + re(SEALID)	18193.98	68.0
track_pt ~ distance to haulout + tidal current + re(SEALID)	19028.89	66.5
track_pt ~ distance to haulout + Signal Excess + re(SEALID)	19375.77	65.9
track_pt ~ distance to haulout + re(SEALID)	19377.12	65.9
track_pt ~ distance to coast + re(SEALID)	30633.33	46.0
track_pt ~ bathymetry + re(SEALID)	31310.41	44.8
track_pt ~ sediment type + re(SEALID)	38562.38	32.0
track_pt ~ tidal current + re(SEALID)	49335.21	13.0
track_pt ~ Signal Excess + re(SEALID)	55873.56	1.5
track_pt ~ 1 + re(SEALID)	56730.19	0.0

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