

## Supplementary Table S4

**Table IV.** *Dynamic factorial models applied to body condition time series from Gulf of Lion. The “m” values are the number of underlying common trends. The R represents the structure of R-matrix, and “K” is the number of parameters estimated. The model selected is the one shown in bold.*

<b>R</b>	<b>m</b>	<b>K</b>	<b>AICc</b>
diagonal and equal	1	23	1519,10
diagonal and equal	2	44	1507,27
diagonal and equal	3	64	1518,71
diagonal and unequal	1	44	1546,58
diagonal and unequal	2	65	1532,80
diagonal and unequal	3	85	1551,03
<b>equalvarcov</b>	<b>1</b>	<b>24</b>	<b>1491,10</b>
<b>equalvarcov</b>	<b>2</b>	<b>45</b>	<b>1489,20</b>
equalvarcov	3	65	1510,91