## Pairwise comparison report

## **Abstract**

This report gives a comparison between PFE and C.

## 1 Share components

This section contains components which are shared between PFE and C. There are 4 common components in total. They are will be fully described in Table 1.

Description **PFE**  $\overline{\mathbf{C}}$ Plot of posterior mean and variance 0.9 +2.001e3 •This component is a smooth function with a typical lengthscale of 2.4 days. The marginal standard deviation of the function increases linearly •This component models uncorrelated noise. The standard deviation of the 0.01 0.01 noise increases linearly •This component is periodic with a period of 1.0 years. The shape of this function within each period has a typical lengthscale of 2.2 weeks 0.9 +2.001e3 Continued on next page

Table 1: Share components

Table  $1-Continued\ from\ previous\ page$ 

Description	PFE	С
•This component is periodic with a period of 7.6 months. The shape of this function within each period has a typical lengthscale of 7.4 days	0 -1 -2 0.5 0.6 0.7 0.8 0.9 +2.001e3	1 0 -1 -2 -3 0.5 0.6 0.7 0.8 0.9 +2.001e3

## 2 Individual components

This section contains components which are differed between PFE and C. There are 1 components in total. They are will be fully described in Table 2.

Table 2: Individual components

Description	PFE	С
Plot of posterior mean and		
variance	0 -1 -2 -3 0.5 0.6 0.7 0.8 0.9 +2.001e3	0.5 0.6 0.7 0.8 0.9 +2.001e3
•This component is periodic		
with a period of 0.8 years but		0.75
with varying amplitude. The		0.50
amplitude of the function		0.25
increases linearly. The shape		-0.25
of this function within each		-0.50
or time runetion within their		0.5 0.6 0.7 0.8 0.9
period has a typical		0.5 0.6 0.7 0.8 0.9 +2.001e3
lengthscale of 4.4 months		