

## **Data supplement**

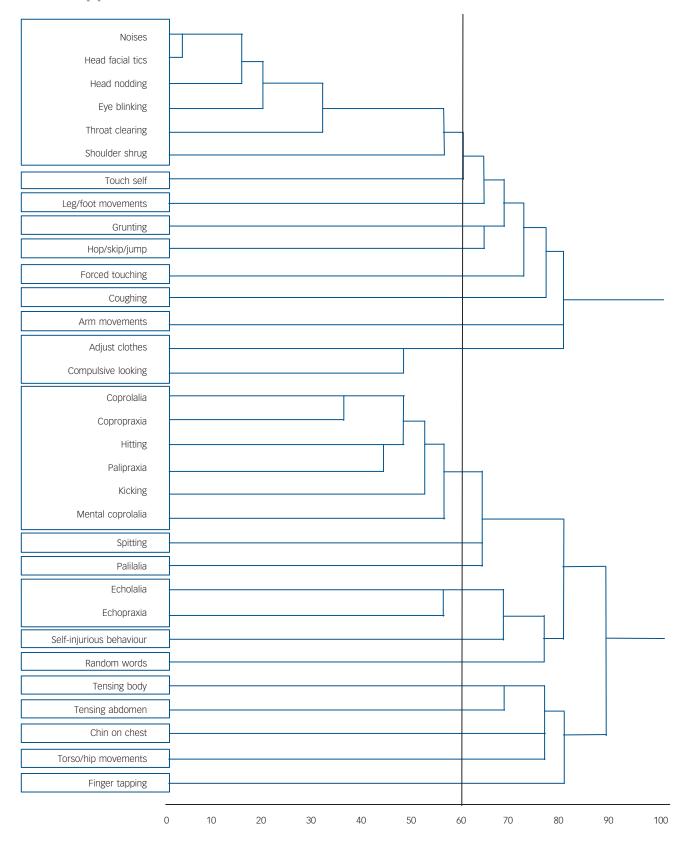


Fig. DS1 Dendogram showing clusters of tics in 410 patients with Tourette syndrome.

Table DS1         Symptom loadings for factors with eigenvalue > 1 with a promax rotation			
Factor	Variance (from unrotated loadings), %	Constituent symptoms	Factor coefficient
1	22.9	Coprolalia, mental coprolalia, copropraxia palipraxia, hitting, kicking Echolalia, echopraxia Palilalia Spitting Random words Forced touching Self-injurious behaviour	0.747 0.612 0.665 0.594 0.449 0.419 0.376
2	7.4	Arm movements Hopping, skipping and jumping Leg and foot movements Torso and hip movements	0.782 0.541 0.438 0.393
3	5.8	Coughing Tensing body Grunting Eye, head, shoulder, noises and throat clearing	0.773 0.565 0.470 0.439
4	5.4	Compulsive finger movements Self-injurious behaviour Tensing abdomen Leg and foot movements Compulsive looking and clothing adjustment	0.695 0.593 0.434 0.391 0.378
5	5.1	Touching self Eye, head, shoulder, noises and throat clearing	0.730 0.382