

Supplementary material 4:

The goodness of fit of the model

- A lower deviance information criterion (DIC) value indicates a better model fit (*).

PANSS total scores

Consistency model*

Dbar	pD	DIC
23.87826	21.57924	45.45750

Unrelated mean effects model

Dbar	pD	DIC
24.97662	24.97640	49.95302

Unrelated study effects model

Dbar	pD	DIC
24.98767	24.98761	49.97529

Response rate (primary outcome)

Consistency model*

Dbar	pD	DIC
38.58594	32.72124	71.30718

Unrelated mean effects model

Dbar	pD	DIC
39.47082	39.47025	78.94107

Unrelated study effects model

Dbar	pD	DIC
39.47332	39.47312	78.94644

PANSS positive subscale scores

Consistency model*

Dbar	pD	DIC
24.02301	21.84960	45.87261

Unrelated mean effects model

Dbar	pD	DIC
24.99856	24.99841	49.99697

Unrelated study effects model

Dbar	pD	DIC
24.99680	24.99672	49.99352

PANSS negative subscale scores

Consistency model*

Dbar	pD	DIC
24.45250	21.94164	46.39414

Unrelated mean effects model

Dbar	pD	DIC
24.97460	24.97402	49.94863

Unrelated study effects model

Dbar	pD	DIC
24.99500	24.99481	49.98981

PANSS general subscale scores

Consistency model*

Dbar	pD	DIC
23.8072	21.5686	45.3758

Unrelated mean effects model

Dbar	pD	DIC
24.99452	24.99432	49.98884

Unrelated study effects model

Dbar	pD	DIC
24.98030	24.98008	49.96038

All-cause discontinuation (primary outcome)

Consistency model*

Dbar	pD	DIC
38.08204	31.69426	69.77629

Unrelated mean effects model

Dbar	pD	DIC
39.60495	39.60471	79.20966

Unrelated study effects model

Dbar	pD	DIC
39.55125	39.55113	79.10238

Discontinuation due to adverse events

Consistency model*

Dbar	pD	DIC
37.56699	32.09073	69.65771

Unrelated mean effects model

Dbar	pD	DIC
36.73431	36.42775	73.16206

Unrelated study effects model

Dbar	pD	DIC
36.77713	36.46503	73.24216

At least one adverse event

Consistency model*

Dbar	pD	DIC
29.42905	27.16573	56.59477

Unrelated mean effects model

Dbar	pD	DIC
31.62242	31.62216	63.24458

Unrelated study effects model

Dbar	pD	DIC
31.63412	31.63403	63.26816

Agitation/anxiety/use of anxiolytics

Consistency model*

Dbar	pD	DIC
38.68777	34.42284	73.11061

Unrelated mean effects model

Dbar	pD	DIC
38.06389	38.06323	76.12712

Unrelated study effects model

Dbar	pD	DIC
38.08334	38.08314	76.16648

Insomnia/use of hypnotics

Consistency model*

Dbar	pD	DIC
32.83990	29.82844	62.66834

Unrelated mean effects model

Dbar	pD	DIC
37.46531	37.46495	74.93025

Unrelated study effects model

Dbar	pD	DIC
37.49821	37.49813	74.99634

Drowsiness/sedation/somnolence

Consistency model*

Dbar	pD	DIC
28.38213	27.62724	56.00937

Unrelated mean effects model

Dbar	pD	DIC
32.75136	32.68526	65.43661

Unrelated study effects model

Dbar	pD	DIC
32.76122	32.69502	65.45624

EPS/use of anticholinergic drugs/tremor

Consistency model*

Dbar	pD	DIC
38.95778	31.89686	70.85464

Unrelated mean effects model

Dbar	pD	DIC
39.42492	39.42458	78.84950

Unrelated study effects model

Dbar	pD	DIC
39.40012	39.39990	78.80002

Akathisia

Consistency model*

Dbar	pD	DIC
35.58656	30.89702	66.48358

Unrelated mean effects model

Dbar	pD	DIC
39.04544	38.91012	77.95556

Unrelated study effects model

Dbar	pD	DIC
39.04247	38.92016	77.96263

Increased salivation

Consistency model*

Dbar	pD	DIC
35.63300	29.08743	64.72043

Unrelated mean effects model

Dbar	pD	DIC
35.31639	35.21822	70.53460

Unrelated study effects model

Dbar	pD	DIC
35.25581	35.16406	70.41987

Potentially prolactin-related adverse events

Consistency model*

Dbar	pD	DIC
26.78483	24.52355	51.30838

Unrelated mean effects model

Dbar	pD	DIC
26.28264	26.08699	52.36962

Unrelated study effects model

Dbar	pD	DIC
26.26935	26.07032	52.33967

Weight change

Consistency model*

Dbar	pD	DIC
25.66238	23.59507	49.25744

Unrelated mean effects model

Dbar	pD	DIC
26.98864	26.98477	53.97342

Unrelated study effects model

Dbar	pD	DIC
26.98274	26.97853	53.96127

Total cholesterol

Consistency model*

Dbar	pD	DIC
24.41711	22.46309	46.88020

Unrelated mean effects model

Dbar	pD	DIC
26.95649	26.95582	53.91232

Unrelated study effects model

Dbar	pD	DIC
26.97774	26.97719	53.95493

Triglyceride

Consistency model*

Dbar	pD	DIC
17.09863	16.78400	33.88262

Unrelated mean effects model

Dbar	pD	DIC
18.97056	18.97042	37.94098

Unrelated study effects model

Dbar	pD	DIC
18.98782	18.98768	37.97550