

**Supplemental Table S2:** Rank probabilities with SUCRA value for different outcomes in 6 kinds of first-line treatments for patients with non-squamous NSCLC.

<b>OS</b>							
Treatment	Rank1	Rank2	Rank3	Rank4	Rank5	Rank6	SUCRA
IC	0.14	0.38	0.37	0.11	0.00	0.00	0.7079
BC	0.00	0.00	0.04	0.27	0.62	0.06	0.2615
BIC	0.33	0.29	0.22	0.12	0.02	0.01	0.7506
DIC	0.44	0.20	0.18	0.12	0.04	0.02	<b>0.7641</b>
DI	0.09	0.13	0.18	0.35	0.16	0.09	0.4766
CT	0.00	0.00	0.00	0.02	0.16	0.82	0.0394
<b>PFS</b>							
Treatment	Rank1	Rank2	Rank3	Rank4	Rank5	Rank6	SUCRA
IC	0.27	0.59	0.13	0.01	0.00	0.00	0.8248
BC	0.00	0.00	0.13	0.41	0.40	0.05	0.3286
BIC	0.63	0.22	0.10	0.03	0.00	0.00	<b>0.8851</b>
DIC	0.07	0.12	0.40	0.21	0.12	0.07	0.5216
DI	0.03	0.06	0.23	0.29	0.23	0.16	0.3732
CT	0.00	0.00	0.00	0.04	0.25	0.71	0.0666
<b>ORR</b>							
Treatment	Rank1	Rank2	Rank3	Rank4	Rank5	Rank6	SUCRA
IC	0.03	0.29	0.45	0.22	0.01	0.00	0.6250
BC	0.00	0.45	0.37	0.16	0.00	0.00	0.6590
BIC	0.91	0.07	0.02	0.00	0.00	0.00	<b>0.9760</b>
DIC	0.05	0.18	0.15	0.49	0.12	0.00	0.5020
DI	0.00	0.01	0.01	0.12	0.62	0.23	0.1880
CT	0.00	0.00	0.00	0.00	0.24	0.75	0.0510
<b>≥ 3 TRAEs</b>							
Treatment	Rank1	Rank2	Rank3	-	-	-	SUCRA
IC	0.27	0.71	0.02	-	-	-	0.6230
BC	0.73	0.26	0.01	-	-	-	<b>0.8600</b>
BIC	-	-	-	-	-	-	-
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.00	0.03	0.96	-	-	-	0.0017

**Abbreviations:** NSCLC, non-small cell lung cancer, ORR, objective response rate; PFS, progression-free survival; OS, overall survival; TRAE: treatment-related adverse event (grade3-5); SUCRA, surface under the cumulative ranking curve.