

**Supplemental Table S3:** Rank probabilities with SUCRA value for different outcomes in 6 kinds of first-line treatments for subgroup patients with non-squamous NSCLC.

<b>OS of patients with ECOG = 0</b>							
Treatment	Rank1	Rank2	Rank3	Rank4	-	-	SUCRA
IC	0.21	0.30	0.25	0.23	-	-	0.4969
BC	0.04	0.42	0.35	0.19	-	-	0.4353
BIC	0.73	0.17	0.06	0.05	-	-	<b>0.8695</b>
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.02	0.11	0.34	0.53	-	-	0.2083
<b>PFS of patients with ECOG = 0</b>							
Treatment	Rank1	Rank2	Rank3	-	-	-	SUCRA
IC	0.19	0.81	0.00	-	-	-	0.5944
BC	0.81	0.19	0.00	-	-	-	<b>0.9030</b>
BIC	-	-	-	-	-	-	-
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.00	0.00	0.99	-	-	-	0.0025
<b>OS of patients with ECOG = 1</b>							
Treatment	Rank1	Rank2	Rank3	Rank4	-	-	SUCRA
IC	0.25	0.19	0.36	0.20	-	-	0.4962
BC	0.23	0.50	0.23	0.03	-	-	0.6415
BIC	0.51	0.25	0.14	0.11	-	-	<b>0.7176</b>
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.01	0.06	0.27	0.65	-	-	0.1447
<b>PFS of patients with ECOG = 1</b>							
Treatment	Rank1	Rank2	Rank3	-	-	-	SUCRA
IC	0.04	0.96	0.00	-	-	-	0.5207
BC	0.96	0.04	0.00	-	-	-	<b>0.9783</b>
BIC	-	-	-	-	-	-	-
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.00	0.00	1.00	-	-	-	0.0010
<b>OS of smokers</b>							
Treatment	Rank1	Rank2	Rank3	Rank4	-	-	SUCRA
IC	0.22	0.21	0.46	0.11	-	-	0.5145
BC	0.09	0.53	0.27	0.11	-	-	0.5287
BIC	0.68	0.20	0.08	0.04	-	-	<b>0.8407</b>
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.01	0.07	0.19	0.73	-	-	0.1162

<b>PFS of smokers</b>							
Treatment	Rank1	Rank2	Rank3	-	-	-	SUCRA
IC	0.31	0.69	0.00	-	-	-	0.6526
BC	0.69	0.30	0.01	-	-	-	<b>0.8443</b>
BIC	-	-	-	-	-	-	-
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.00	0.01	0.99	-	-	-	0.0032
<b>OS of non-smokers</b>							
Treatment	Rank1	Rank2	Rank3	Rank4	-	-	SUCRA
IC	0.32	0.21	0.35	0.11	-	-	0.5830
BC	0.11	0.47	0.37	0.05	-	-	0.5479
BIC	0.56	0.28	0.11	0.05	-	-	<b>0.7830</b>
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.01	0.04	0.16	0.79	-	-	0.0860
<b>PFS of non-smokers</b>							
Treatment	Rank1	Rank2	Rank3	-	-	-	SUCRA
IC	0.09	0.88	0.03	-	-	-	0.5262
BC	0.91	0.08	0.00	-	-	-	<b>0.9522</b>
BIC	-	-	-	-	-	-	-
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.00	0.04	0.96	-	-	-	0.0216
<b>OS of patients <math>\geq 65</math> years old</b>							
Treatment	Rank1	Rank2	Rank3	-	-	-	SUCRA
IC	0.44	0.43	0.13	-	-	-	0.6569
BC	0.54	0.39	0.06	-	-	-	<b>0.7396</b>
BIC	-	-	-	-	-	-	-
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.01	0.18	0.81	-	-	-	0.1035
<b>PFS of patients <math>\geq 65</math> years old</b>							
Treatment	Rank1	Rank2	Rank3	-	-	-	SUCRA
IC	0.44	0.43	0.13	-	-	-	0.6538
BC	0.55	0.39	0.06	-	-	-	<b>0.7434</b>
BIC	-	-	-	-	-	-	-
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.01	0.18	0.81	-	-	-	0.1028
<b>OS of patients <math>&lt; 65</math> years old</b>							
Treatment	Rank1	Rank2	Rank3	Rank4	-	-	SUCRA

IC	0.24	0.23	0.33	0.20	-	-	0.5034
BC	0.12	0.50	0.33	0.06	-	-	0.5591
BIC	0.64	0.21	0.09	0.07	-	-	<b>0.8067</b>
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.01	0.05	0.25	0.68	-	-	0.1308
<b>PFS of patients &lt; 65 years old</b>							
Treatment	Rank1	Rank2	Rank3	-	-	-	SUCRA
IC	0.02	0.98	0.00	-	-	-	0.5076
BC	0.98	0.02	0.00	-	-	-	<b>0.9912</b>
BIC	-	-	-	-	-	-	-
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.00	0.00	1.00	-	-	-	0.0012
<b>OS of male patients</b>							
Treatment	Rank1	Rank2	Rank3	Rank4	-	-	SUCRA
IC	0.07	0.13	0.55	0.25	-	-	0.3398
BC	0.08	0.75	0.15	0.01	-	-	0.6352
BIC	0.85	0.10	0.03	0.01	-	-	<b>0.9269</b>
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.00	0.01	0.26	0.72	-	-	0.0981
<b>PFS of male patients</b>							
Treatment	Rank1	Rank2	Rank3	-	-	-	SUCRA
IC	0.10	0.90	0.00	-	-	-	0.5470
BC	0.90	0.09	0.00	-	-	-	<b>0.9502</b>
BIC	-	-	-	-	-	-	-
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.00	0.01	0.99	-	-	-	0.0028
<b>OS of female patients</b>							
Treatment	Rank1	Rank2	Rank3	Rank4	-	-	SUCRA
IC	0.53	0.24	0.16	0.08	-	-	<b>0.7356</b>
BC	0.07	0.31	0.48	0.13	-	-	0.4398
BIC	0.39	0.36	0.13	0.12	-	-	0.6748
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.01	0.09	0.23	0.66	-	-	0.1497
<b>PFS of female patients</b>							
Treatment	Rank1	Rank2	Rank3	-	-	-	SUCRA
IC	0.16	0.84	0.00	-	-	-	0.5799
BC	0.84	0.16	0.00	-	-	-	<b>0.9177</b>

BIC	-	-	-	-	-	-	-
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.00	0.00	1.00	-	-	-	0.0023
<b>OS of patients with liver metastases</b>							
Treatment	Rank1	Rank2	Rank3	-	-	-	SUCRA
IC	0.32	0.52	0.17	-	-	-	0.5754
BC	0.66	0.25	0.09	-	-	-	<b>0.7869</b>
BIC	-	-	-	-	-	-	-
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.02	0.23	0.75	-	-	-	0.1377
<b>PFS of patients with liver metastases</b>							
Treatment	Rank1	Rank2	-	-	-	-	SUCRA
IC	0.9569	0.0431	-	-	-	-	0.9569
BC	-	-	-	-	-	-	-
BIC	-	-	-	-	-	-	-
DIC	-	-	-	-	-	-	-
DI	-	-	-	-	-	-	-
CT	0.0431	0.9569	1-	-	-	-	0.0431

**Abbreviations:** NSCLC, non-small cell lung cancer, PFS, progression-free survival; OS, overall survival; SUCRA, surface under the cumulative ranking curve.