

**Supplemental Table 2. Patients' treatment history before ascites collection**

Sample	The last day of chemotherapy before ascites collection	Drugs history used before ascites collection							
		5-fluorouracil	Platinum	taxane	Irinotecan	Trastuzumab	Ramucirumab	PD-1 inhibitor	Others
IP-004	within 3m	Yes	Yes	No	No	No	No	No	No
IP-007	Within 3m-12m	Yes	Yes	Yes	No	No	No	No	No
IP-008	Within 3m-12m	Yes	Yes	Yes	Yes	No	No	No	No
IP-009-2	No treatment	No	No	No	No	No	No	No	No
IP-010-1	within 3m	Yes	Yes	No	No	No	No	No	No
IP-013	No treatment	No	No	No	No	No	No	No	No
IP-020	within 3m	Yes	Yes	Yes	Yes	No	Yes	No	No
IP-022	Within 3m-12m	Yes	Yes	Yes	No	No	No	No	No
IP-023	more than 3years	Yes	Yes	No	No	No	No	No	No
IP-024-1	within 3m	Yes	Yes	No	Yes	No	No	No	No
IP-026-1	within 3m	Yes	Yes	No	No	No	No	No	No
IP-029	within 3m	Yes	Yes	No	No	No	No	No	No
IP-031	within 3m	Yes	Yes	Yes	No	No	Yes	No	Yes
IP-032-1	within 3m	Yes	Yes	Yes	No	No	Yes	No	No
IP-033-2	within 3m	Yes	Yes	Yes	No	No	No	No	No
IP-036	Within 3m-12m	Yes	Yes	Yes	No	No	No	No	No
IP-038	within 3m	Yes	Yes	Yes	Yes	No	Yes	No	Yes
IP-039-1	within 3m	Yes	Yes	No	Yes	Yes	No	No	Yes
IP-040	within 3m	Yes	Yes	No	No	No	Yes	No	Yes
IP-042	within 3m	Yes	Yes	No	Yes	No	No	No	No
IP-043	Within 3m-12m	Yes	Yes	No	No	No	No	No	Yes
IP-045	Within 3m-12m	Yes	Yes	No	No	No	No	No	No
IP-046	within 3m	Yes	Yes	No	No	No	No	No	No
IP-051	No treatment	No	No	No	No	No	No	No	No
IP-052-1	within 3m	Yes	Yes	Yes	Yes	No	Yes	No	No
IP-054	within 3m	Yes	Yes	No	No	No	No	No	No
IP-056	within 3m	Yes	Yes	Yes	Yes	No	Yes	No	No
IP-057	within 3m	Yes	Yes	No	No	No	No	No	No
IP-058-2	within 3m	Yes	Yes	No	Yes	Yes	No	No	No

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IP-062	within 3m	Yes	Yes	No	Yes	No	Yes	No	No
IP-064-1	No treatment	No	No	No	No	No	No	No	No
IP-067-1	within 3m	Yes	Yes	No	No	No	No	No	No
IP-067-2	within 3m	Yes	Yes	Yes	No	No	Yes	No	No
IP-068	within 3m	Yes	Yes	No	No	No	No	No	No
IP-070	within 3m	Yes	Yes	Yes	No	No	Yes	No	No
IP-073	Within 3m-12m	Yes	Yes	No	No	No	No	No	No
IP-104	within 3m	Yes	Yes	Yes	No	No	Yes	No	Yes
IP-107-2	within 3m	Yes	Yes	No	No	No	No	No	No
IP-109	within 3m	Yes	Yes	No	Yes	No	No	Yes	No
IP-116	within 3m	Yes	Yes	Yes	No	No	Yes	Yes	No
IP-118-1	within 3m	Yes	Yes	Yes	No	No	No	No	No
IP-123-1	within 3m	No	No	No	No	No	No	Yes	Yes
IP-124-1	within 3m	Yes	Yes	Yes	Yes	No	Yes	No	No

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