

課題名（公開可能な）	腹水からの94種の胃がんの細胞株の新規樹立とオミックス解析
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	Novelty	Speed	Capacity	Versatility	Cost	Human sample
Evaluation methods & systems						
Novel original cell lines	◎			◎		◎
New target identification						
Platform technologies						
Compounds, Antibody, etc						

Strongest point=◎ Strong point=○ Weak point=×

対象疾患	未分化型胃がん
アセットの概要	特に、未分化型胃がん54例から亜株を含め94株と世界最大数、マイクロアレイ、100遺伝子ホットスポット異常解析 NCC Oncopanel、プロテオーム、エピゲノム、SNPアレイ、Exome解析情報の他、移植腫瘍の情報も付与。内在遺伝子変異株での創薬探索、非臨床試験が可能。
関連する研究費	がん研究開発費
論文、特許、共同研究、grant	関連論文5報、投稿中1報、複数の特許、企業およびアカデミアとの共同研究毎年複数実施。
サポート部門へのリクエスト	共同研究実施メンバーの増員、体制維持支援。

# 腹水からの94種の胃がんの細胞株の新規樹立とオミックス解析 (佐々木博己 シーズ1)

No	Patient No.	NSC Cell Lines	Growth form (Adherent/floating)	Microarray	SNP array	Epigenome	Proteome	NCC Onco Panel v4	Exome	RNAseq	No	Patient No.	NSC Cell Lines	Growth form (Adherent/floating)	Microarray	SNP array	Epigenome	Proteome	NCC Onco Panel v4	Exome	RNAseq
1	1	NSC-4X1a	Adherent	●	●	●	●	●	●	●	43	19	NSC-29C	Adherent	●	●	●	●	●	●	●
2	2	NSC-6C	Floating	●	●	●	●	●	●	●	44		NSC-30C	Adherent	●	●	●	●	●	●	●
3	3	NSC-7C	Adherent	●	●	●	●	●	●	●	45	20	NSC-32C	Adherent	●	●	●	●	●	●	●
4	4	NSC-8CM1	Adherent	●	●	●	●	●	●	●	46		NSC-32CX1	Adherent	○	○	○	○	○	○	○
5	5	NSC-9C	Floating	●	●	●	●	●	●	●	47		NSC-32CX1a	Adherent	○	○	○	○	○	○	○
6	6	NSC-10C	Floating	●	●	●	●	●	●	●	48	21	NSC-34C	Adherent	●	●	●	●	●	●	●
7		NSC-10X1A	Adherent/Floating	●	●	●	●	●	●	●	49	22	NSC-35C-1	Floating	●	●	●	●	●	●	●
8		NSC-10X1F	Floating	●	●	●	●	●	●	●	50		NSC-35C-2	Adherent	●	●	●	●	●	●	●
9		NSC-10X1aA	Adherent/Floating	●	●	●	●	●	●	●	51		NSC-35C-2X1	Floating	●	●	●	●	●	●	●
10		NSC-10X1aF	Floating	●	●	●	●	●	●	●	52	23	NSC-36C	Adherent	●	●	●	●	●	●	●
11		NSC-10X1aX1	Adherent/Floating	●	●	●	●	●	●	●	53	24	NSC-37C	Adherent	●	●	●	●	●	●	●
12		NSC-10X1aX1a	Adherent/Floating	●	●	●	●	●	●	●	54	25	NSC-38C-1	Adherent	●	○	○	○	○	○	○
13	7	NSC-11C	Adherent	●	●	●	●	●	●	●	55		NSC-38C-2	Adherent	●	●	●	●	●	●	●
14		NSC-11X1	Adherent	●	●	●	●	●	●	●	56	26	NSC-39C	Floating	●	○	○	○	○	○	○
15		NSC11X1a	Adherent	●	●	●	●	●	●	●	57	27	NSC-40C	Floating	●	○	○	○	○	○	○
16	8	NSC-14C	Adherent	●	●	●	●	●	●	●	58		NSC-40CX1	Adherent	○	○	○	○	○	○	○
17	9	NSC-15CF	Floating	●	●	●	●	●	●	●	59		NSC-40CX1a	Adherent	○	○	○	○	○	○	○
18		NSC-15CA	Adherent	●	●	●	●	●	●	●	60	28	NSC-44CF	Floating	●	○	○	○	○	○	○
19		NSC-15CFX1a	Floating	●	●	●	●	●	●	●	61		NSC-44CA	Adherent	●	●	●	●	●	●	●
20	10	NSC-16C	Floating	●	●	●	●	●	●	●	62		NSC-44CAX1	Adherent	●	●	●	●	●	●	●
21		NSC-16CX1F	Floating	●	●	●	●	●	●	●	63		NSC-44CAX1a	Adherent	●	●	●	●	●	●	●
22		NSC-16CX1A	Adherent	●	●	●	●	●	●	●	64	29	NSC-46C	Adherent	●	○	○	○	○	○	○
23	11	NSC-17CA	Adherent	●	●	●	●	●	●	●	65	30	NSC-47C	Floating	●	●	●	●	●	●	●
24		NSC-17CF	Floating	●	●	●	●	●	●	●	66		NSC-47CX1F	Floating	○	○	○	○	○	○	○
25	12	NSC-18C-1	Adherent	●	●	●	●	●	●	●	67	31	NSC-48CA	Adherent	●	○	○	○	○	○	○
26		NSC-18C-2	Adherent	●	●	●	●	●	●	●	68	32	NSC-49C	Adherent	●	●	●	●	●	●	●
27		NSC-18C-3	Adherent	●	●	●	●	●	●	●	69	33	NSC-50C	Adherent	●	○	○	○	○	○	○
28	13	NSC-20C	Adherent	●	●	●	●	●	●	●	70	34	NSC-51C	Adherent	●	●	●	●	●	●	●
29		NSC-20CX1	Adherent	●	●	●	●	●	●	●	71	35	NSC-52C	Adherent	●	○	○	○	○	○	○
30		NSC-20CX1a	Adherent	●	●	●	●	●	●	●	72	36	NSC-53C	Adherent	●	●	●	●	●	●	●
31		NSC-20CX2	Adherent	●	●	●	●	●	●	●	73	37	NSC-54C	Floating	●	○	○	○	○	○	○
32		NSC-20CX2a	Adherent	●	●	●	●	●	●	●	74	38	NSC-56C-1	Adherent	●	○	○	○	○	○	○
33	14	NSC-22C	Adherent	●	●	●	●	●	●	●	75		NSC-56C-2	Adherent	●	●	●	●	●	●	●
34	15	NSC-23C-1	Adherent	●	●	●	●	●	●	●	76	39	NSC-57C	Floating	●	○	○	○	○	○	○
35		NSC-23C-2	Adherent	●	●	●	●	●	●	●	77	40	NSC-58C	Adherent	●	●	●	●	●	●	●
36	16	NSC-24C	Floating	●	●	●	●	●	●	●	78	41	NSC-60C	Adherent	●	○	○	○	○	○	○
37		NSC-24CX1a	Floating	●	●	●	●	●	●	●	79	42	NSC-61C	Adherent	●	●	●	●	●	●	●
38	17	NSC-26C-1	Adherent	●	●	●	●	●	●	●	80	43	NSC-63C	Adherent	○	○	○	○	○	○	○
39		NSC-26C-2	Adherent	●	●	●	●	●	●	●	81	44	NSC-64C	Adherent	○	○	○	○	○	○	○
40	18	NSC-28C	Adherent	●	●	●	●	●	●	●	82	45	NSC-65C	Adherent	○	○	○	○	○	○	○
41		NSC-28CX1	Adherent	●	●	●	●	●	●	●	83	46	NSC-66C	Adherent	○	○	○	○	○	○	○
42		NSC-28CX1a	Adherent	●	●	●	●	●	●	●											

All NSC cell lines are CD20-negative (No lymphoid stroma)

New lines

● Completed ● Ongoing ○ Scheduled

Flow chart

