

Table S7-1 Statistical analysis result of all of lectins between stage III CRC patients with good and poor prognoses based on lectin microarray combined with AAL and ABA-assisted fractionation

	Input(-)			AAL(+)			AAL(-)			ABA(+)			ABA(-)		
	Good prognosis (n=5)	Poor prognosis (n=5)	<i>p</i>	Good prognosis (n=5)	Poor prognosis (n=5)	<i>p</i>	Good prognosis (n=5)	Poor prognosis (n=5)	<i>p</i>	Good prognosis (n=5)	Poor prognosis (n=5)	<i>p</i>	Good prognosis (n=5)	Poor prognosis (n=5)	<i>p</i>
LTL	0	0	0.814	0	0	0.637	0	0	0.881	0	0	0.814	0	0	0.881
PSA	7100	5800	0.465	4900	5800	0.754	0	0	0.521	2700	3200	0.754	4500	2600	0.600
LCA	7200	6100	0.530	6100	6100	0.675	0	0	0.521	2000	2900	1.000	4300	3200	0.753
UEA-I	0	1100	0.054	0	1100	0.054	0	0	1.000	0	1100	0.054	0	0	0.317
AOL	23700	15700	0.347	23700	15700	0.347	0	0	0.317	8100	8800	0.917	16500	10800	0.251
AAL	23400	16400	0.347	23400	16400	0.347	0	0	1.000	9300	9400	0.917	14500	9700	0.175
MAL	0	2200	0.131	0	2200	0.131	0	0	1.000	0	2200	0.131	0	0	0.317
SNA	19000	20200	0.347	14800	13400	0.602	0	8800	0.147	4100	8500	0.093	11500	12600	0.754
SSA	19200	22700	0.251	17000	14800	0.754	0	8200	0.147	5400	9100	0.076	13300	14200	0.602
TJA-I	29200	31700	0.347	23500	21200	0.602	0	15000	0.147	6700	11200	0.076	17300	21100	0.465
PHA-L	0	1800	0.147	0	1800	0.147	0	0	1.000	0	1800	0.034	0	0	0.881
ECA	1600	1700	0.599	1600	1700	0.527	0	0	0.881	1600	1700	0.462	0	0	0.881
RCA120	7900	15600	0.117	6700	15000	0.116	0	0	0.368	3600	6900	0.175	3800	3600	0.917
PHA-E	7200	9700	0.117	7200	9700	0.117	0	0	1.000	4900	9700	0.117	1600	2500	0.916
DSA	32500	35500	0.463	32500	33700	0.602	0	5400	0.095	12100	17200	0.117	21900	20600	0.917
GSL-II	0	0	1.000	0	0	1.000	0	0	1.000	0	0	1.000	0	0	1.000
NPA	2200	3700	0.347	1000	2400	0.251	0	1500	0.095	1000	2700	0.175	1400	1000	0.669
ConA	12500	12200	0.917	10000	8600	0.754	0	6100	0.147	6500	5400	0.754	7200	6800	0.834
GNA	2900	2700	0.602	1900	2700	0.251	0	0	0.317	1900	2200	0.347	0	1100	0.410
HHL	1700	2600	0.746	1700	2600	0.746	0	0	1.000	1700	2600	0.746	0	0	0.906
ACG	6700	7000	0.675	5300	4900	0.917	0	1300	0.196	2600	2900	0.602	2500	3500	0.834
TxLC-I	0	1700	0.057	0	1700	0.057	0	0	1.000	0	1700	0.057	0	0	1.000
BPL	1900	5900	0.602	1900	5900	0.602	0	0	1.000	1500	5300	0.465	0	0	1.000
TJA-II	3200	8100	0.059	3200	8100	0.059	0	0	0.317	2000	8100	0.059	0	0	0.521
EEL	0	0	0.317	0	0	0.317	0	0	1.000	0	0	0.317	0	0	1.000
ABA	7100	9800	0.173	7100	7900	0.347	0	2300	0.058	7100	9800	0.173	0	0	1.000
LEL	37000	49600	0.754	37000	43700	0.917	0	8500	0.220	10400	20400	0.251	27000	22400	0.465
STL	27900	38500	0.347	25300	29600	0.465	0	4800	0.147	9600	11200	0.347	16600	15100	0.917
UDA	24500	21000	0.754	22100	14800	0.465	0	7300	0.147	9100	8000	0.600	15600	13000	0.402
PWM	6200	6400	0.347	1700	4400	0.917	0	4300	0.095	1800	1900	0.459	3300	4500	0.173
Jacalin	5700	10100	0.251	5700	8500	0.465	0	1700	0.095	5700	10100	0.251	0	0	1.000
PNA	0	0	1.000	0	0	1.000	0	0	1.000	0	0	1.000	0	0	1.000
WFA	1400	2400	0.245	1400	2400	0.245	0	0	1.000	300	2400	0.169	0	0	0.317
ACA	2000	5500	0.463	2000	5500	0.463	0	0	1.000	2000	5500	0.463	0	0	0.317
MPA	1100	1700	0.449	1100	1700	0.449	0	0	1.000	1100	1700	0.449	0	0	1.000
HPA	0	0	0.317	0	0	0.317	0	0	1.000	0	0	0.317	0	0	1.000
VVA	0	0	1.000	0	0	1.000	0	0	1.000	0	0	1.000	0	0	1.000
DBA	0	0	0.317	0	0	0.317	0	0	1.000	0	0	0.317	0	0	1.000
SBA	0	0	0.317	0	0	0.317	0	0	1.000	0	0	0.317	0	0	1.000
Calsepa	10200	8300	0.917	5900	5900	1.000	0	2600	0.147	2500	3600	0.530	6300	5100	0.346
PTL-I	0	0	1.000	0	0	1.000	0	0	1.000	0	0	1.000	0	0	1.000
MAH	1000	1300	0.451	200	1300	0.332	0	0	0.881	1000	1300	0.451	0	0	1.000
WGA	11900	18800	0.142	11900	18800	0.142	0	0	0.317	8900	14600	0.251	2900	3900	1.000
GSL-IA4	0	0	1.000	0	0	1.000	0	0	1.000	0	0	1.000	0	0	1.000
GSL-IB4	0	0	1.000	0	0	1.000	0	0	1.000	0	0	1.000	0	0	1.000

The values were presented as the median after gain-merging. *p*-values in bold indicate statistical significance by Mann-Whitney U test.

Table S7-2 Statistical analysis result of all of lectins between stage III CRC patients with good and poor prognoses based on lectin microarray combined with AAL and ABA-assisted fractionation

	Input									
	Good prognosis					Poor prognosis				
	1	4	7	9	11	1	2	4	5	10
LTL	0	1000	0	5000	0	1400	7500	0	0	0
PSA	7100	10500	4300	7500	4900	5900	24800	5800	3300	3000
LCA	7200	10100	4500	8100	6100	6200	26100	6100	3300	4900
UEA-I	0	0	0	0	0	3600	7000	0	0	1100
AOL	29700	23500	20100	30500	23700	27800	54000	15700	10500	14200
AAL	26000	22800	21700	30200	23400	25900	45800	16400	9300	15100
MAL	1200	0	0	2000	0	1000	6000	2200	0	3600
SNA	19000	14800	11300	21000	19800	19200	36800	20200	10900	25500
SSA	19200	17000	10900	25200	21600	20500	44500	22700	13200	26900
TJA-I	29200	23500	19600	35800	31800	29600	67600	31700	21200	39300
PHA-L	0	0	0	2800	0	1900	5900	1400	0	1800
ECA	1700	1600	0	3700	1000	2300	13000	1500	0	1700
RCA120	12400	5700	4500	7900	9600	16400	17500	11600	4700	15600
PHA-E	7300	5200	3500	7900	7200	9700	14900	8700	2400	17600
DSA	32500	28600	27200	43100	39200	35500	57800	35500	21500	48800
GSL-II	0	0	0	0	0	0	0	0	0	0
NPA	4600	6800	0	2200	1000	10600	10800	3700	1700	2100
ConA	12500	14700	8400	20300	10000	14300	35100	12200	8600	10200
GNA	2900	3200	0	3400	1900	9300	7500	2200	1300	2700
HHL	6800	8900	1700	0	0	10400	8500	2600	0	0
ACG	7500	2900	1800	6700	8400	6700	7000	7600	1600	11900
TxLC-I	1400	0	0	0	0	3900	3900	1200	0	1700
BPL	8600	4700	1500	1900	1400	13100	7400	1600	0	5900
TJA-II	5700	2000	0	3200	3700	8100	11400	6800	2000	11300
EEL	0	0	0	0	0	0	0	1000	0	0
ABA	9100	7200	4400	4400	7100	9800	17500	7400	2400	14100
LEL	48800	31600	22600	64400	37000	49600	55900	33100	20600	60600
STL	28100	20700	18600	33500	27900	39500	38500	25200	12400	39400
UDA	28300	26600	22100	24500	14000	28400	45000	21000	10600	13800
PWM	7500	6800	1700	6200	1600	12300	12600	6400	4400	4700
Jacalin	10000	8100	3900	4200	5700	10100	12900	7200	3000	22500
PNA	0	0	0	0	0	0	0	0	0	0
WFA	2300	0	0	1400	1500	6200	2800	2400	0	1100
ACA	6000	2500	1700	1700	2000	7200	5500	1900	0	13800
MPA	1800	1100	0	0	1100	3700	1700	0	0	9200
HPA	0	0	0	0	0	0	2300	0	0	0
VVA	0	0	0	0	0	0	0	0	0	0
DBA	0	0	0	0	0	0	5400	0	0	0
SBA	0	0	0	0	0	1300	0	0	0	0
Calsepa	10200	12400	5900	11700	4700	12300	26800	8300	5200	2200
PTL-I	0	0	0	0	0	0	0	0	0	0
MAH	1200	1000	0	1900	0	0	9200	1300	0	6600
WGA	17600	10100	9000	16900	11900	18800	20500	17600	6000	21100
GSL-IA4	0	0	0	0	0	0	0	0	0	0
GSL-IB4	0	0	0	0	0	0	0	0	0	0

The values were presented as the median after gain-merging. *p*-values in bold indicate statistical significance by Mann-Whitney U test.

Table S7-3 Statistical analysis result of all of lectins between stage III CRC patients with good and poor prognoses based on lectin microarray combined with AAL and ABA-assisted fractionation

	AAL elution fraction (AAL(+))										AAL pass fraction (AAL(-))									
	Good prognosis					Poor prognosis					Good prognosis					Poor prognosis				
	1	4	7	9	11	1	2	4	5	10	1	4	7	9	11	1	2	4	5	10
LTL	0	1000	0	1000	0	1400	4500	0	0	0	0	0	0	4000	0	0	3000	0	0	0
PSA	7100	10500	4300	4500	4900	5900	18500	5800	3300	1800	0	0	0	3000	0	0	6300	0	0	1200
LCA	7200	10100	4500	5100	6100	6200	18900	6100	3300	3400	0	0	0	3000	0	0	7200	0	0	1500
UEA-I	0	0	0	0	0	3600	7000	0	0	1100	0	0	0	0	0	0	0	0	0	0
AOL	29700	23500	20100	30500	23700	27800	52600	15700	10500	14200	0	0	0	0	0	0	1400	0	0	0
AAL	26000	22800	21700	30200	23400	25900	45800	16400	9300	15100	0	0	0	0	0	0	0	0	0	0
MAL	1200	0	0	2000	0	1000	6000	2200	0	3600	0	0	0	0	0	0	0	0	0	0
SNA	19000	14800	11300	4400	19800	16100	13600	11400	10900	13400	0	0	0	16600	0	3100	23200	8800	0	12100
SSA	19200	17000	10900	6700	21600	17400	21900	14500	13200	14800	0	0	0	18500	0	3100	22600	8200	0	12100
TJA-I	29200	23500	19600	7800	31800	22900	31200	16700	21200	18200	0	0	0	28000	0	6700	36400	15000	0	21100
PHA-L	0	0	0	2800	0	1900	5900	1400	0	1800	0	0	0	0	0	0	0	0	0	0
ECA	1700	1600	0	2300	1000	2300	8800	1500	0	1700	0	0	0	1400	0	0	4200	0	0	0
RCA120	12400	5700	4500	6700	9600	15000	15000	11600	4700	15600	0	0	0	1200	0	1400	2500	0	0	0
PHA-E	7300	5200	3500	7900	7200	9700	14900	8700	2400	17600	0	0	0	0	0	0	0	0	0	0
DSA	32500	28600	27200	37000	39200	33700	45600	28900	21500	43400	0	0	0	6100	0	1800	12200	6600	0	5400
GSL-II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NPA	4600	6800	0	500	1000	8800	7500	2400	1700	600	0	0	0	1700	0	1800	3300	1300	0	1500
ConA	12500	14700	8400	5800	10000	10200	17500	6100	8600	1400	0	0	0	14500	0	4100	17600	6100	0	8800
GNA	2900	3200	0	1000	1900	9300	7500	2200	1300	2700	0	0	0	2400	0	0	0	0	0	0
HHL	6800	8900	1700	0	0	10400	8500	2600	0	0	0	0	0	0	0	0	0	0	0	0
ACG	7500	2900	1800	5300	8400	6700	4900	4800	1600	10600	0	0	0	1400	0	0	2100	2800	0	1300
TxLC-I	1400	0	0	0	0	3900	3900	1200	0	1700	0	0	0	0	0	0	0	0	0	0
BPL	8600	4700	1500	1900	1400	13100	7400	1600	0	5900	0	0	0	0	0	0	0	0	0	0
TJA-II	5700	2000	0	3200	3700	8100	10400	6800	2000	11300	0	0	0	0	0	0	1000	0	0	0
EEL	0	0	0	0	0	0	0	1000	0	0	0	0	0	0	0	0	0	0	0	0
ABA	9100	7200	4400	2300	7100	7900	12200	5100	2400	10900	0	0	0	2100	0	1900	5300	2300	0	3200
LEL	48800	31600	22600	51200	37000	44700	43700	24600	20600	51300	0	0	0	13200	0	4900	12200	8500	0	9300
STL	28100	20700	18600	25300	27900	31900	29600	20400	12400	35200	0	0	0	8200	0	7600	8900	4800	0	4200
UDA	28300	26600	22100	9900	14000	20800	27800	14800	10600	6500	0	0	0	14600	0	7600	17200	6200	0	7300
PWM	7500	6800	1700	1200	1600	5500	7300	2500	4400	400	0	0	0	5000	0	6800	5300	3900	0	4300
Jacalin	10000	8100	3900	1500	5700	8500	8900	5500	3000	18800	0	0	0	2700	0	1600	4000	1700	0	3700
PNA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WFA	2300	0	0	1400	1500	6200	2800	2400	0	1100	0	0	0	0	0	0	0	0	0	0
ACA	6000	2500	1700	1700	2000	7200	5500	1900	0	13800	0	0	0	0	0	0	0	0	0	0
MPA	1800	1100	0	0	1100	3700	1700	0	0	9200	0	0	0	0	0	0	0	0	0	0
HPA	0	0	0	0	0	0	2300	0	0	0	0	0	0	0	0	0	0	0	0	0
VVA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DBA	0	0	0	0	0	0	5400	0	0	0	0	0	0	0	0	0	0	0	0	0
SBA	0	0	0	0	0	1300	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calsepa	10200	12400	5900	2400	4700	9700	15700	5900	5200	-1900	0	0	0	9300	0	2600	11100	2400	0	4100
PTL-I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAH	1200	1000	0	200	0	0	6100	1300	0	6600	0	0	0	1700	0	0	3100	0	0	0
WGA	17600	10100	9000	16900	11900	18800	20500	17600	6000	19900	0	0	0	0	0	0	0	0	0	1200
GSL-IA4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GSL-IB4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

The values were presented as the median after gain-merging. *p*-values in bold indicate statistical significance by Mann-Whitney U test.

Table S7-4 Statistical analysis result of all of lectins between stage III CRC patients with good and poor prognoses based on lectin microarray combined with AAL and ABA-assisted fractionation

	ABA elution fraction (ABA(+))										ABA pass fraction (ABA(-))									
	Good prognosis					Poor prognosis					Good prognosis					Poor prognosis				
	1	4	7	9	11	1	2	4	5	10	1	4	7	9	11	1	2	4	5	10
LTL	0	1000	0	2900	0	1400	5900	0	0	0	0	0	0	2100	0	0	1600	0	0	0
PSA	4300	5400	2700	1400	400	4500	14300	3200	1900	-2700	2800	5100	1600	6100	4500	1400	10500	2600	1400	5700
LCA	4400	5400	1700	2000	1800	4900	14100	2900	1700	-500	2800	4700	2800	6100	4300	1300	12000	3200	1600	5400
UEA-I	0	0	0	0	0	3600	5800	0	0	1100	0	0	0	0	0	0	1200	0	0	0
AOL	13100	11400	8100	7300	7200	15400	24900	8800	5200	3400	16600	12100	12000	23200	16500	12400	29100	6900	5300	10800
AAL	11500	11800	9300	7500	6600	14600	20500	9400	5300	5400	14500	11000	12400	22700	16800	11300	25300	7000	4000	9700
MAL	1200	0	0	2000	0	1000	4500	2200	0	3600	0	0	0	0	0	0	1500	0	0	0
SNA	7500	7600	2800	4100	4100	10500	8500	7600	3900	9300	11500	7200	8500	16900	15700	8700	28300	12600	7000	16200
SSA	5900	8600	2300	4000	5400	11300	14400	8500	4700	9100	13300	8400	8600	21200	16200	9200	30100	14200	8500	17800
TJA-I	11900	10500	6700	6300	5600	14500	19000	10600	7100	11200	17300	13000	12900	29500	26200	15100	48600	21100	14100	28100
PHA-L	0	0	0	1300	0	1900	4800	1400	0	1800	0	0	0	1500	0	0	1100	0	0	0
ECA	1700	1600	0	2200	1000	2300	9400	1500	0	1700	0	0	0	1500	0	0	3600	0	0	0
RCA120	8600	3600	1500	2500	3800	13200	3700	6900	3500	12000	3800	2100	3000	5400	5800	3200	13800	4700	1200	3600
PHA-E	5700	5200	2500	2600	4900	9700	10500	6200	2400	14400	1600	0	1000	5300	2300	0	4400	2500	0	3200
DSA	10600	12100	9300	15000	14500	17200	21200	13500	11900	28200	21900	16500	17900	28100	24700	18300	36600	22000	9600	20600
GSL-II	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NPA	3200	4900	0	800	1000	8700	7200	2700	1700	1100	1400	1900	0	1400	0	1900	3600	1000	0	1000
ConA	7200	6500	2700	7900	2800	9000	17800	5400	3500	1400	5300	8200	5700	12400	7200	5300	17300	6800	5100	8800
GNA	2900	3200	0	1200	1900	7700	5600	2200	1300	1600	0	0	0	2200	0	1600	1900	0	0	1100
HHL	4600	6800	1700	0	0	7300	6400	2600	0	0	2200	2100	0	0	0	3100	2100	0	0	0
ACG	5000	1800	200	2600	3200	6700	2900	2300	-200	8400	2500	1100	1600	4100	5200	0	4100	5300	1800	3500
TxLC-I	1400	0	0	0	0	3900	3900	1200	0	1700	0	0	0	0	0	0	0	0	0	0
BPL	6400	4700	1500	800	1400	11300	5300	1600	0	5900	2200	0	0	1100	0	1800	2100	0	0	0
TJA-II	5700	2000	0	1400	3700	8100	9500	5200	2000	11300	0	0	0	1800	0	0	1900	1600	0	0
EEL	0	0	0	0	0	0	0	1000	0	0	0	0	0	0	0	0	0	0	0	0
ABA	9100	7200	4400	4400	7100	9800	17500	7400	2400	14100	0	0	0	0	0	0	0	0	0	0
LEL	19900	10400	7400	24400	10000	28900	20400	10700	9900	35100	28900	21200	15200	40000	27000	20700	35500	22400	10700	25500
STL	11500	10200	6800	7300	9600	19100	11200	10100	5400	26900	16600	10500	11800	26200	18300	20400	27300	15100	7000	12500
UDA	10200	13000	9100	600	-1600	12000	15500	8000	3000	3000	18100	13600	13000	23900	15600	16400	29500	13000	7600	10800
PWM	4200	2600	1700	1800	0	6400	6700	1900	1700	1700	3300	4200	0	4400	1600	5900	5900	4500	2700	3000
Jacalin	10000	8100	3900	4200	5700	10100	12900	7200	3000	22500	0	0	0	0	0	0	0	0	0	0
PNA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WFA	2300	0	0	300	1500	6200	2800	2400	0	1100	0	0	0	1100	0	0	0	0	0	0
ACA	6000	2500	1700	1700	2000	7200	5500	1900	0	12600	0	0	0	0	0	0	0	0	0	1200
MPA	1800	1100	0	0	1100	3700	1700	0	0	9200	0	0	0	0	0	0	0	0	0	0
HPA	0	0	0	0	0	0	2300	0	0	0	0	0	0	0	0	0	0	0	0	0
VVA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DBA	0	0	0	0	0	0	5400	0	0	0	0	0	0	0	0	0	0	0	0	0
SBA	0	0	0	0	0	1300	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Calsepa	4100	6100	2500	700	-1600	7200	10900	3600	2200	-3700	6100	6300	3400	11000	6300	5100	15900	4700	3000	5900
PTL-I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAH	1200	1000	0	1900	0	0	9200	1300	0	6600	0	0	0	0	0	0	0	0	0	0
WGA	14700	10100	7100	8900	6800	17100	14600	11700	6000	17200	2900	0	1900	8000	5100	1700	5900	5900	0	3900
GSL-IA4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GSL-IB4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

The values were presented as the median after gain-merging. *p*-values in bold indicate statistical significance by Mann-Whitney U test.