

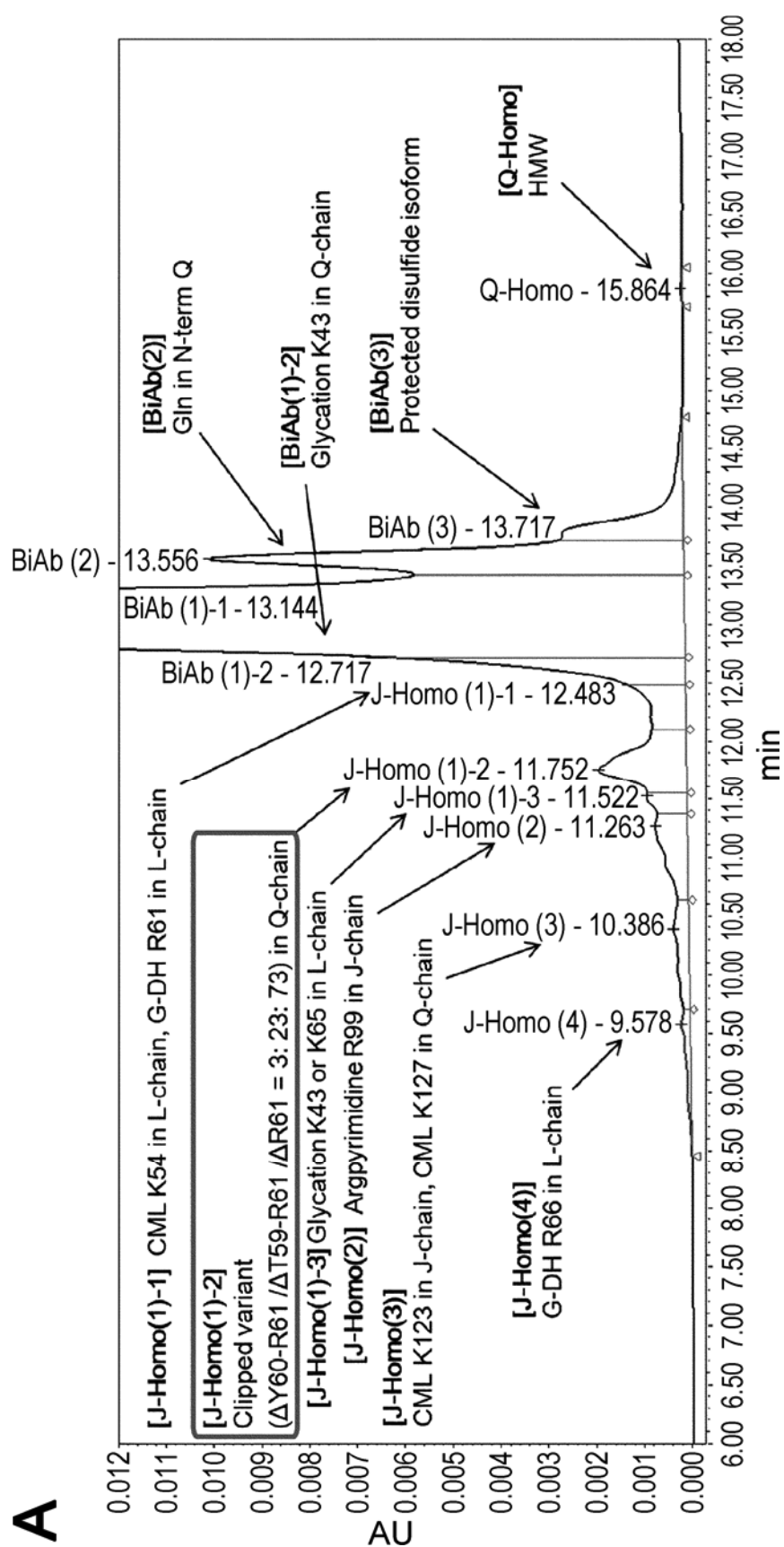


Fig. 1-1

B

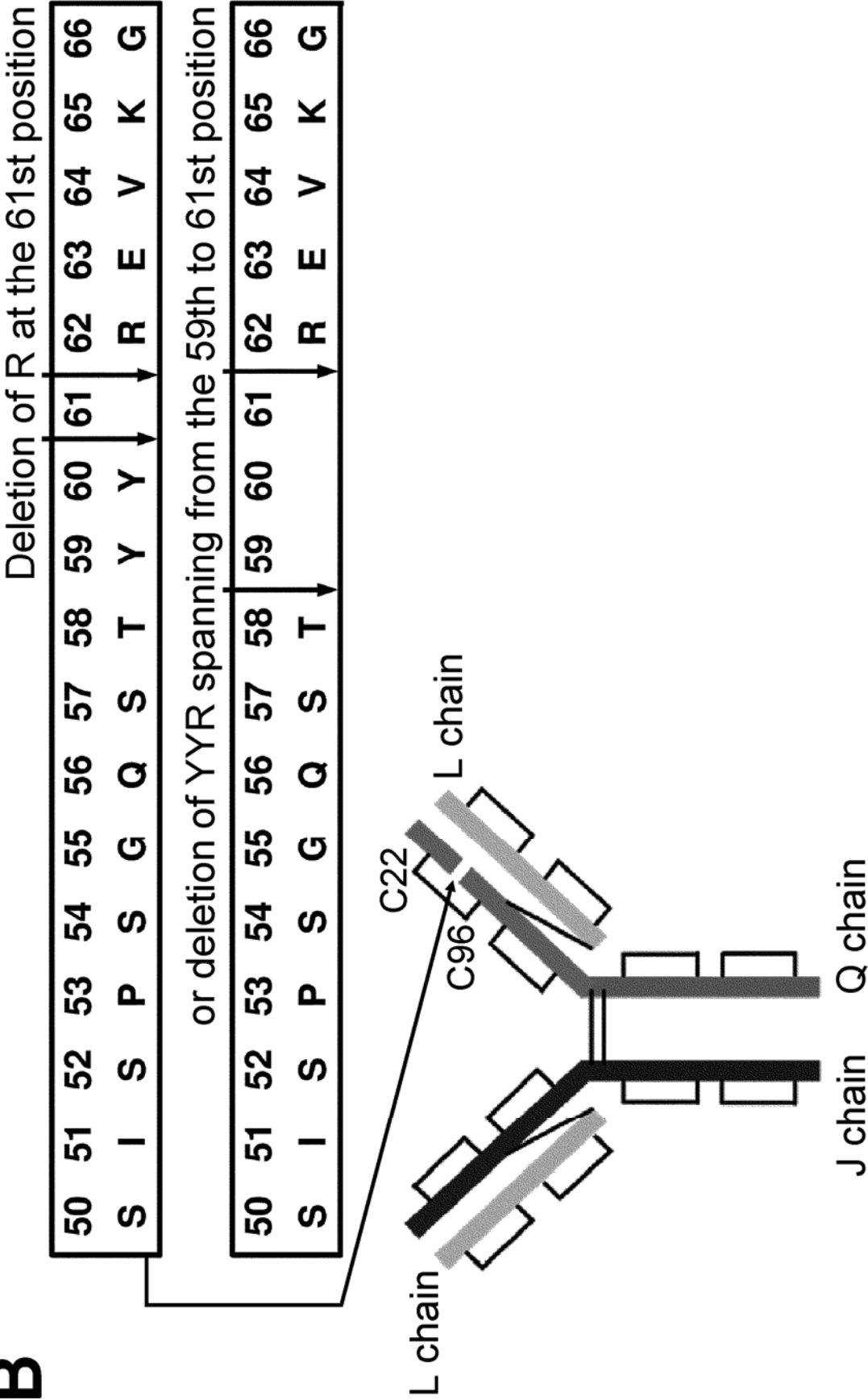


Fig. 1-2

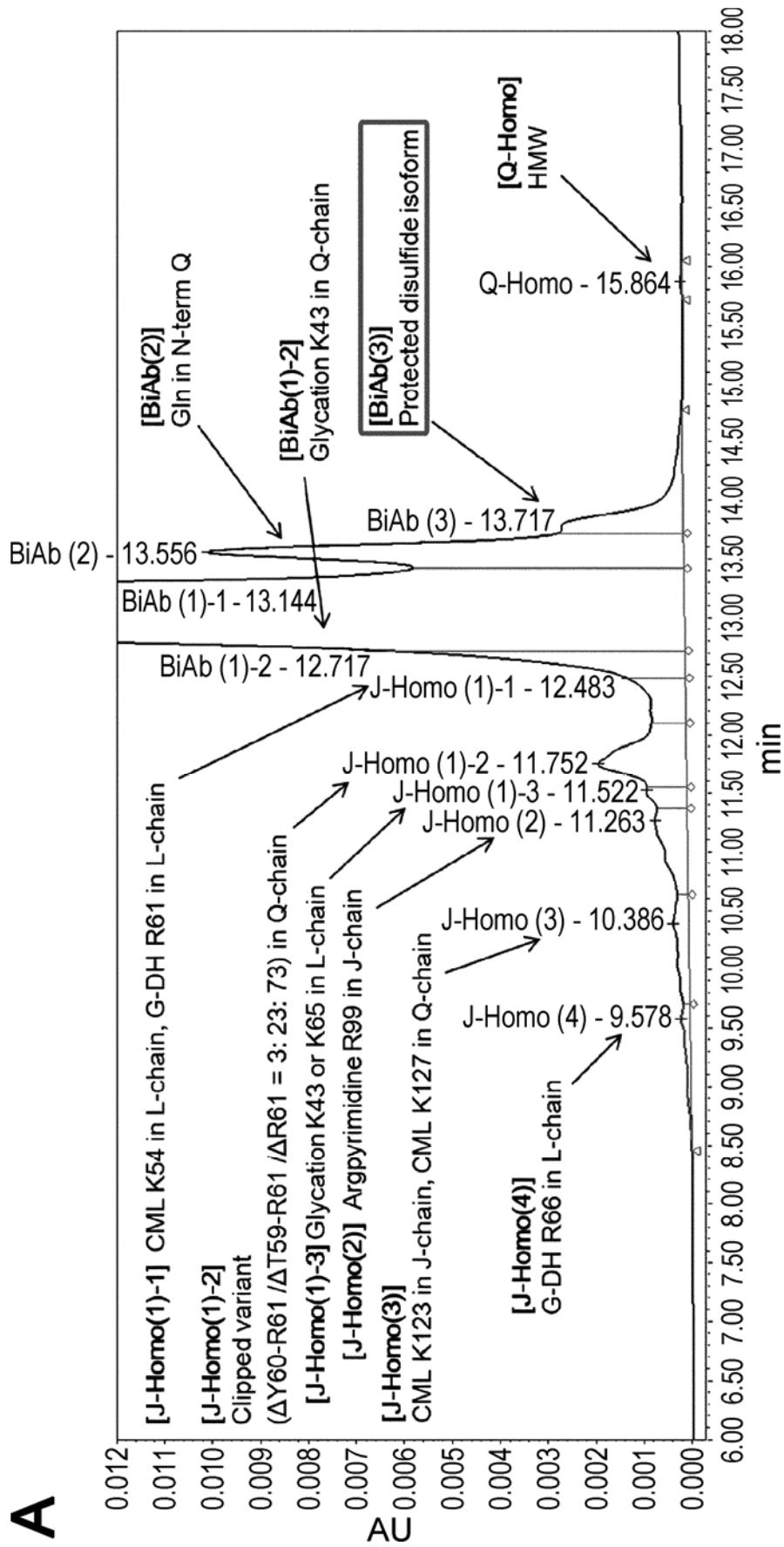
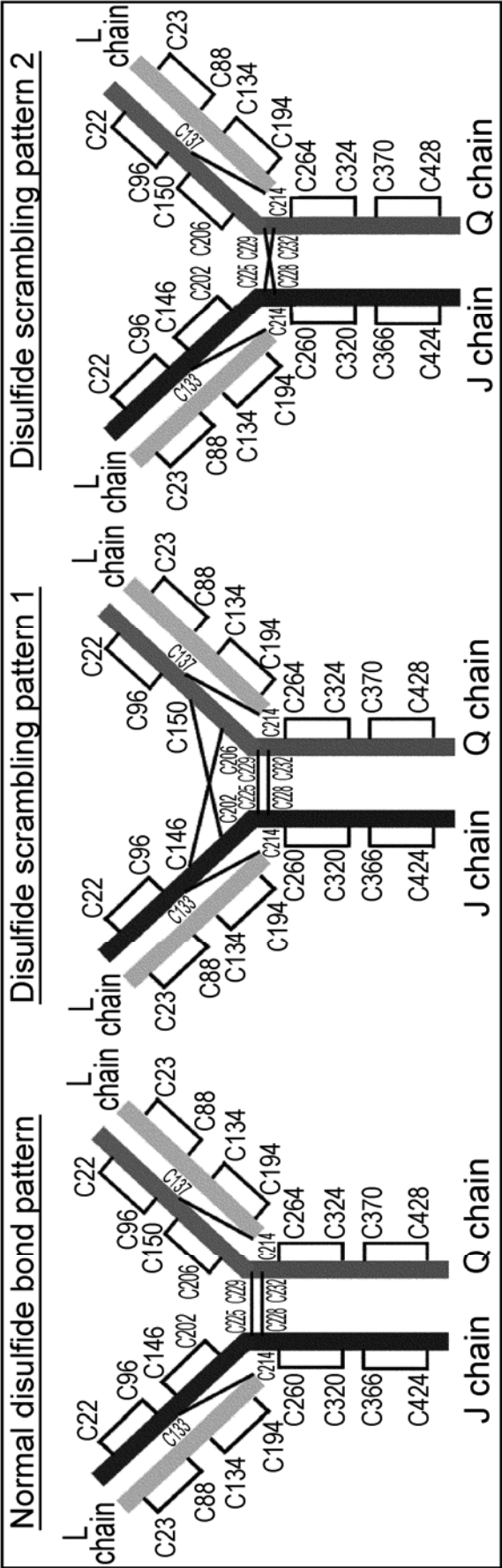


Fig. 2-1

B



C

Study	Data Group	N	Mean	Std Dev
Dissolved Oxygen	Center-Point Runs	11	1.4	0.4
	All Runs	17	1.3	0.4
Initial pH	Center-Point Runs	6	1.0	0.1
	All Runs	10	1.0	0.1
Culture Duration without MTX	Center-Point Runs	3	1.1	0.0
	All Runs	7	1.1	0.0

Data Group	N	Mean	Std Dev
Center-Point Runs	12	1.2	0.2
All Runs	168	1.3	0.2

Abbreviation: MTX = methotrexate; Std Dev = standard deviation;

Fig. 2-2

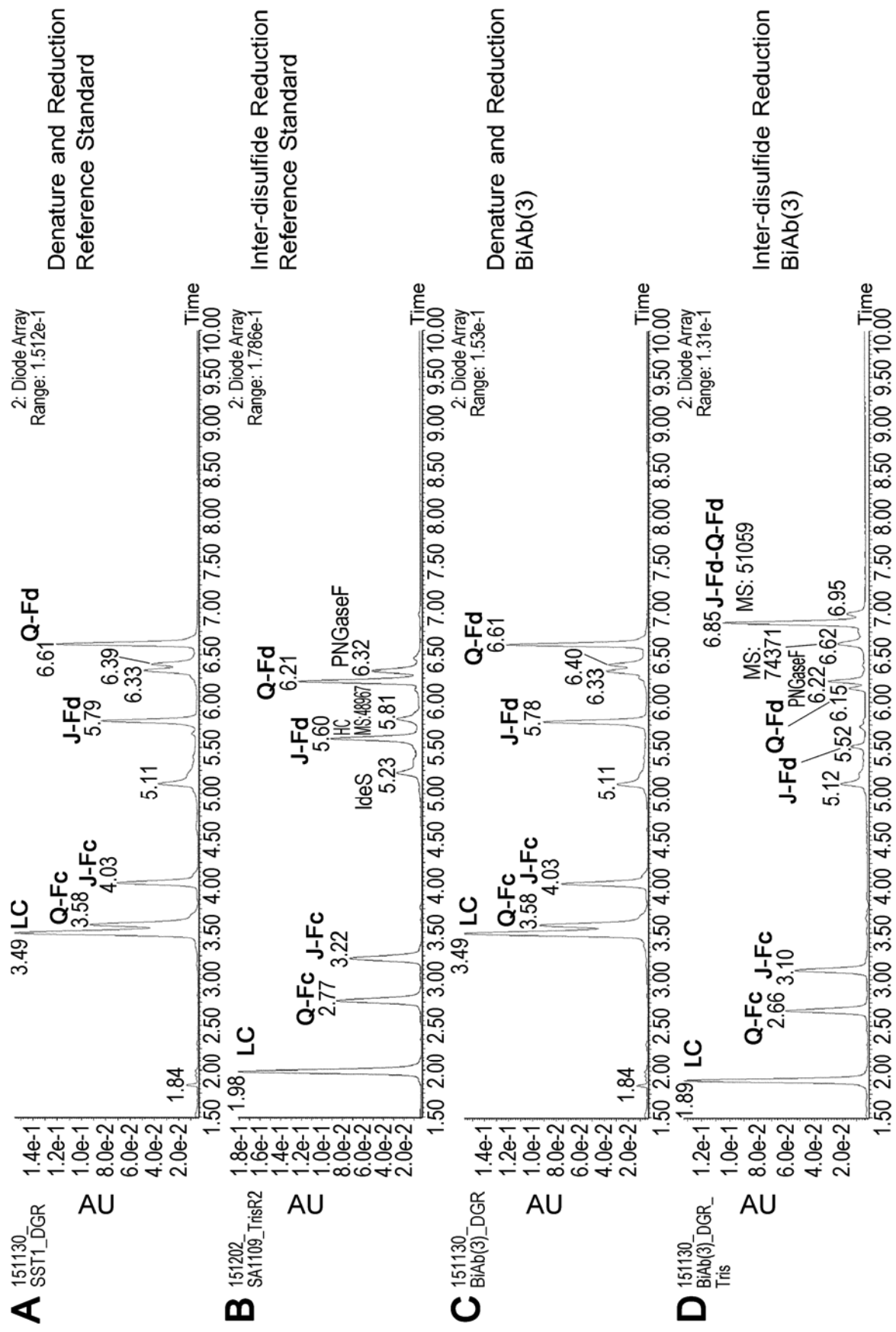


Fig. 3

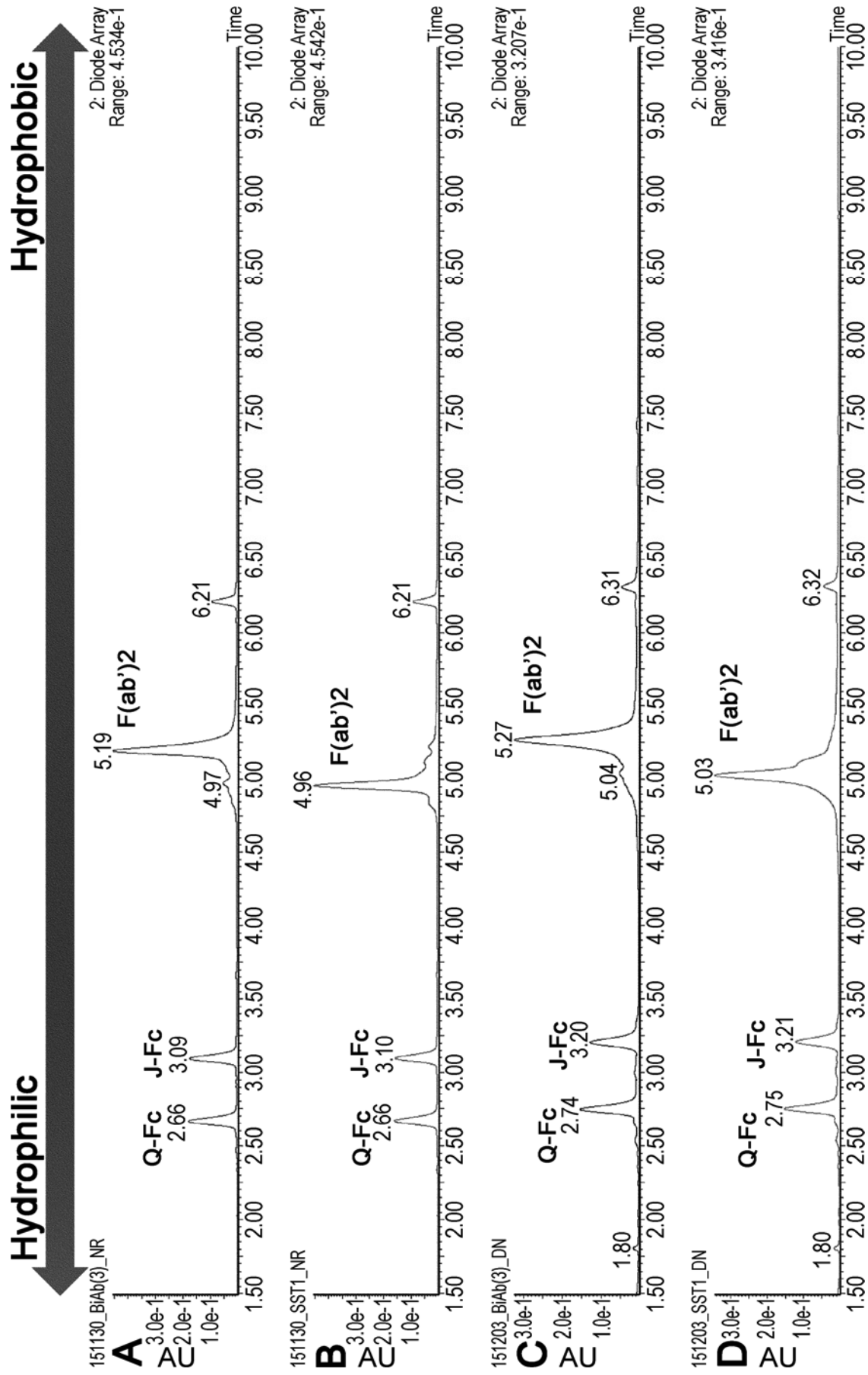


Fig. 4

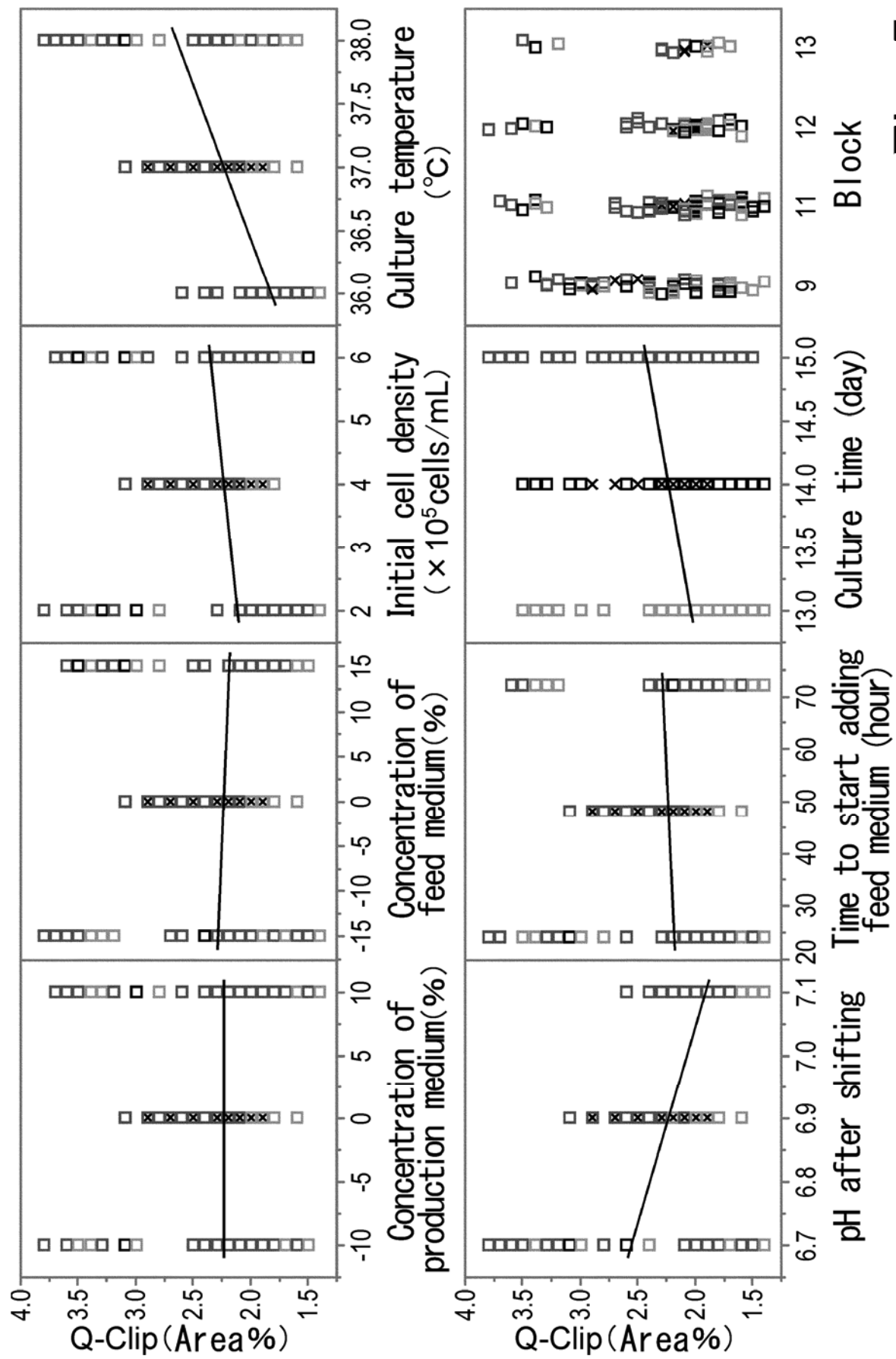


Fig. 5

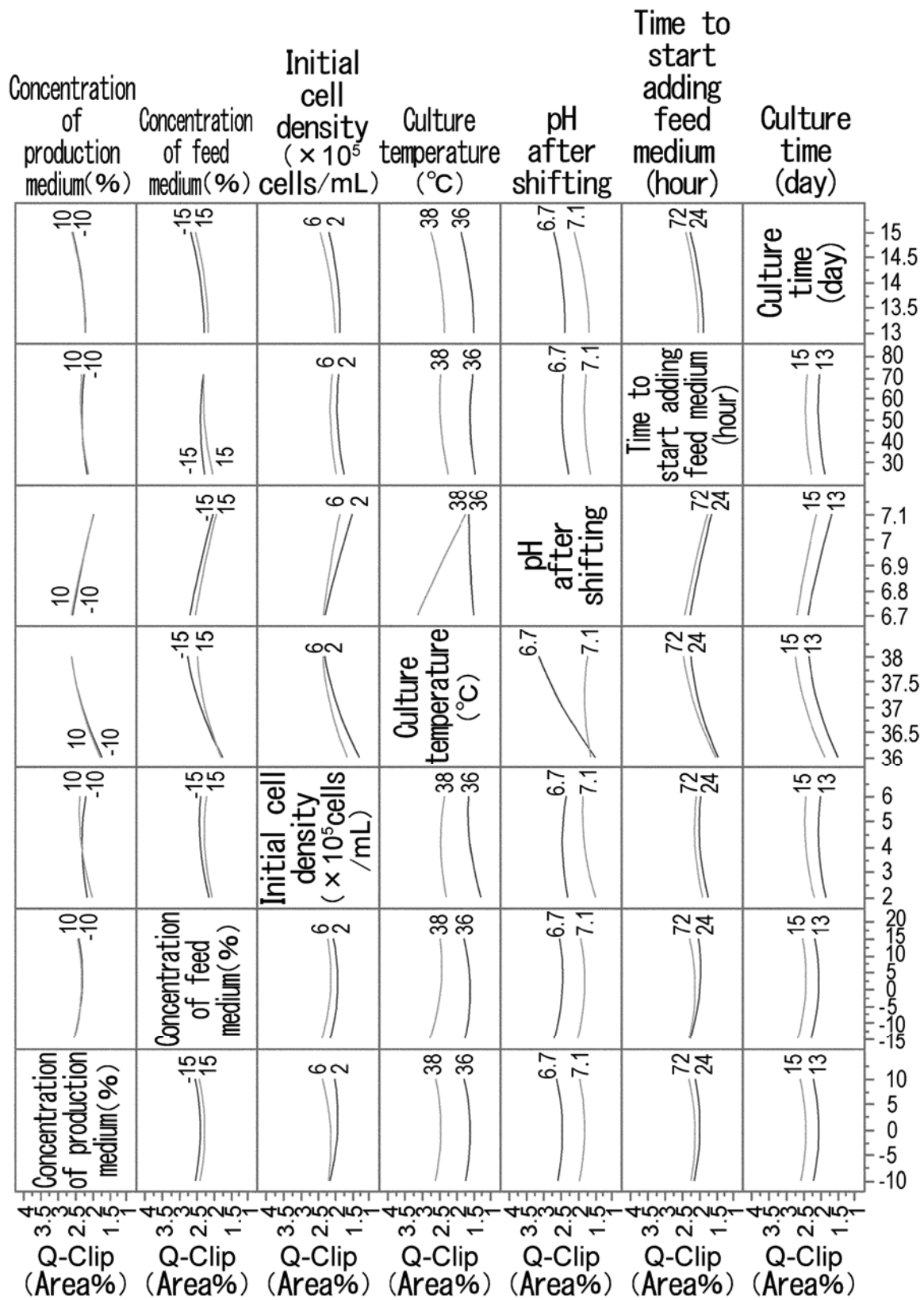


Fig. 6

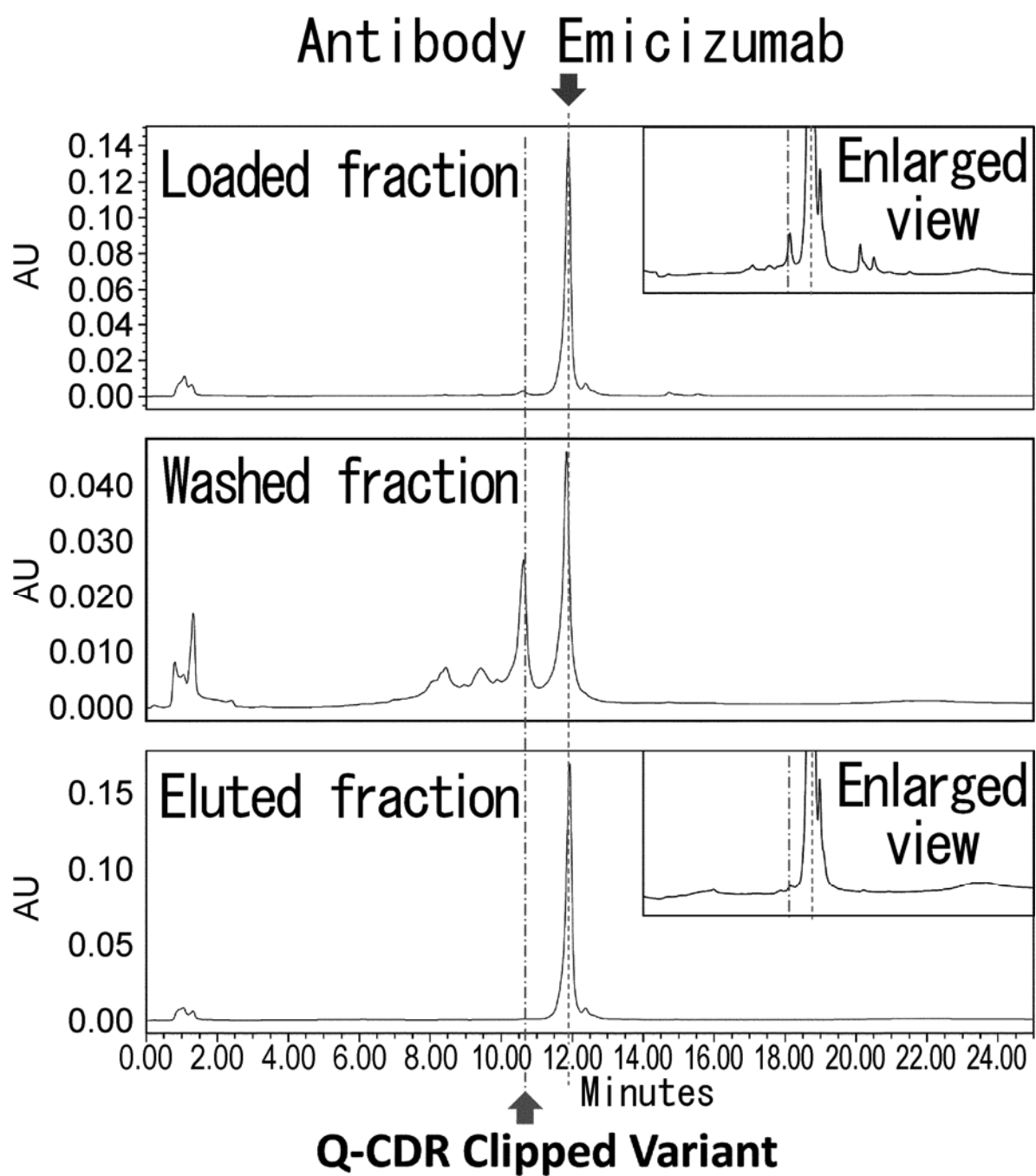
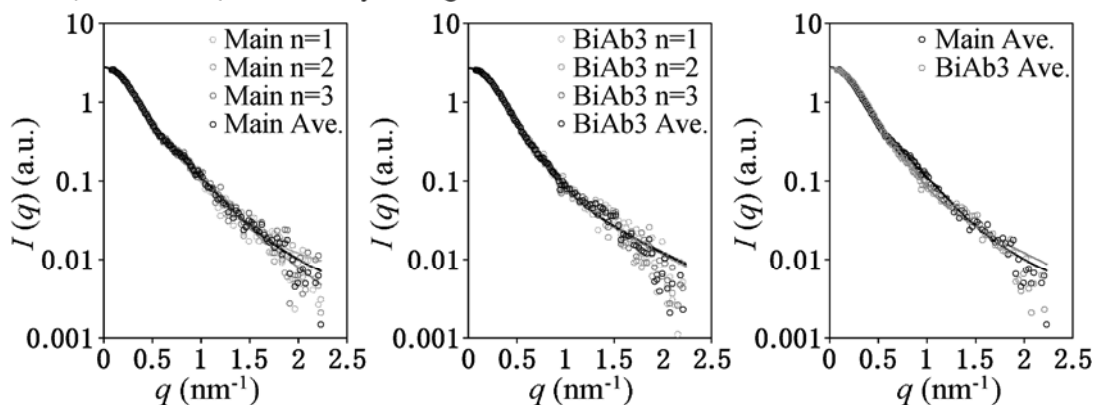
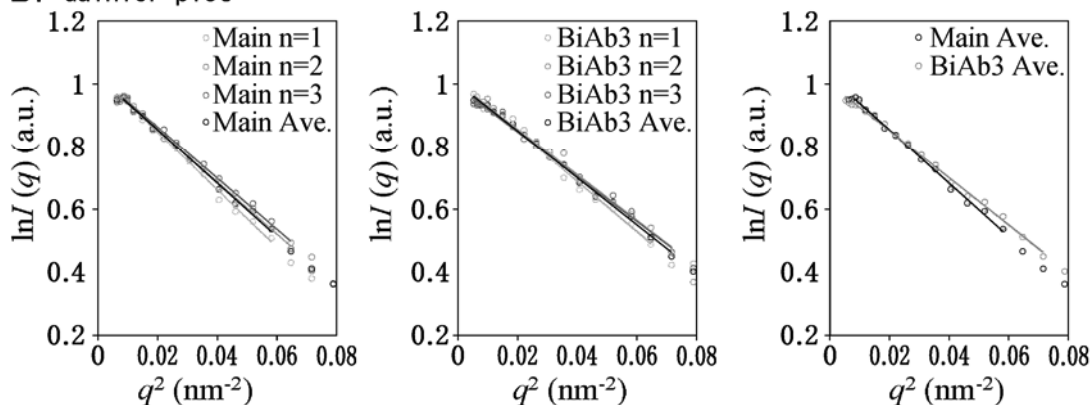


Fig. 7

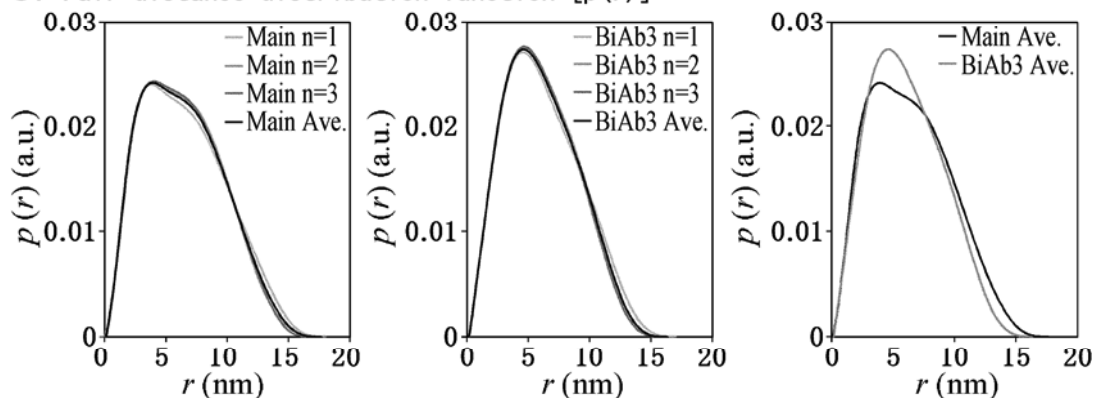
A. Actual scattering curve (scatter plot) and theoretical scattering curve (solid line) fitted by using the indirect Fourier transform method



B. Guinier plot



C. Pair-distance distribution function [$p(r)$]



D. Radius of gyration [R_g (nm)], and maximum dimension [D_{max} (nm)]

		n=1	n=2	n=3	Average	SD
R_g (nm)	Main	5.25	4.99	4.94	5.06	0.17
	BiAb3	4.90	4.66	4.64	4.74	0.14
D_{max} (nm)	Main	18	18	17	17.7	0.6
	BiAb3	17	16	16	16.3	0.6

Fig. 8

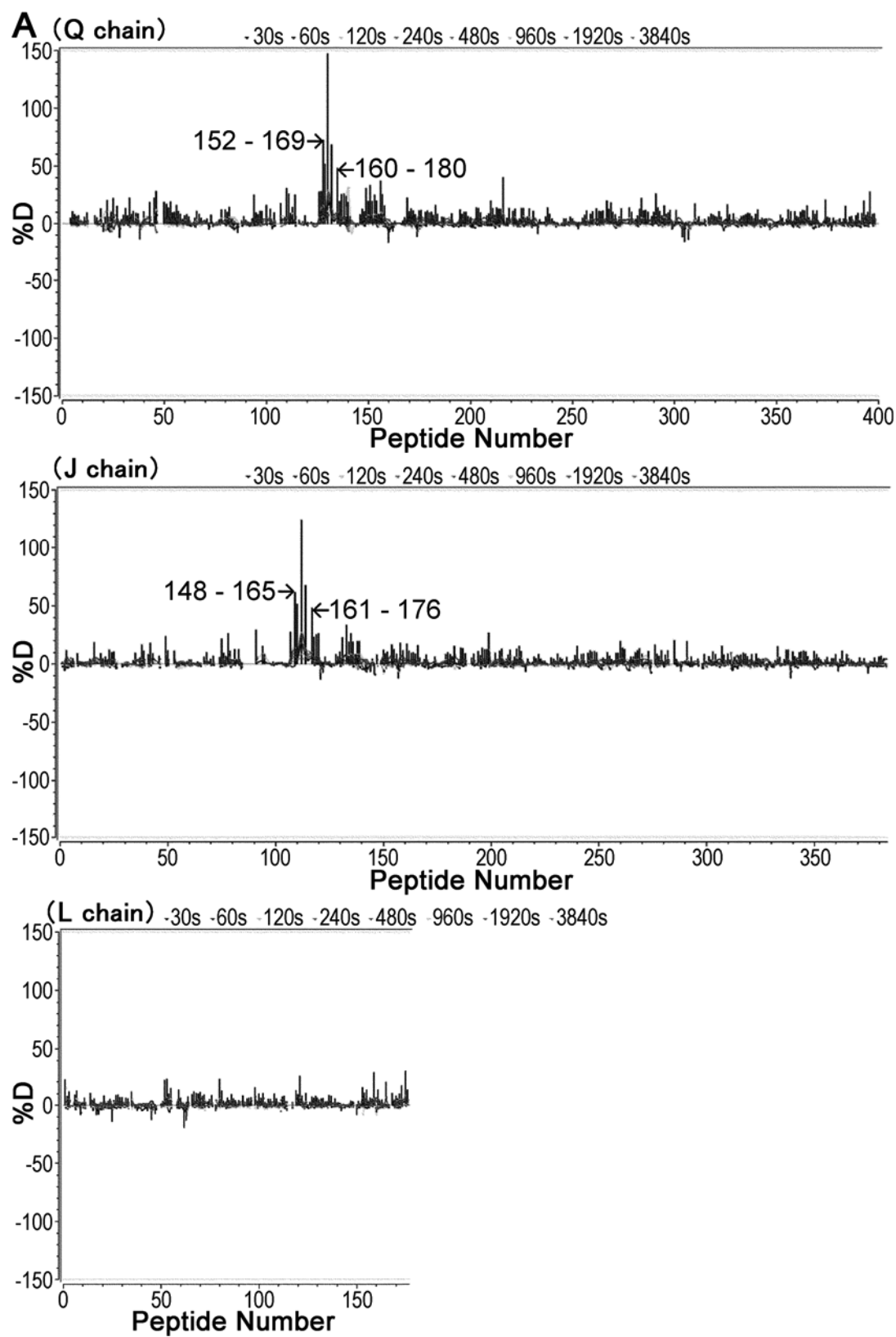
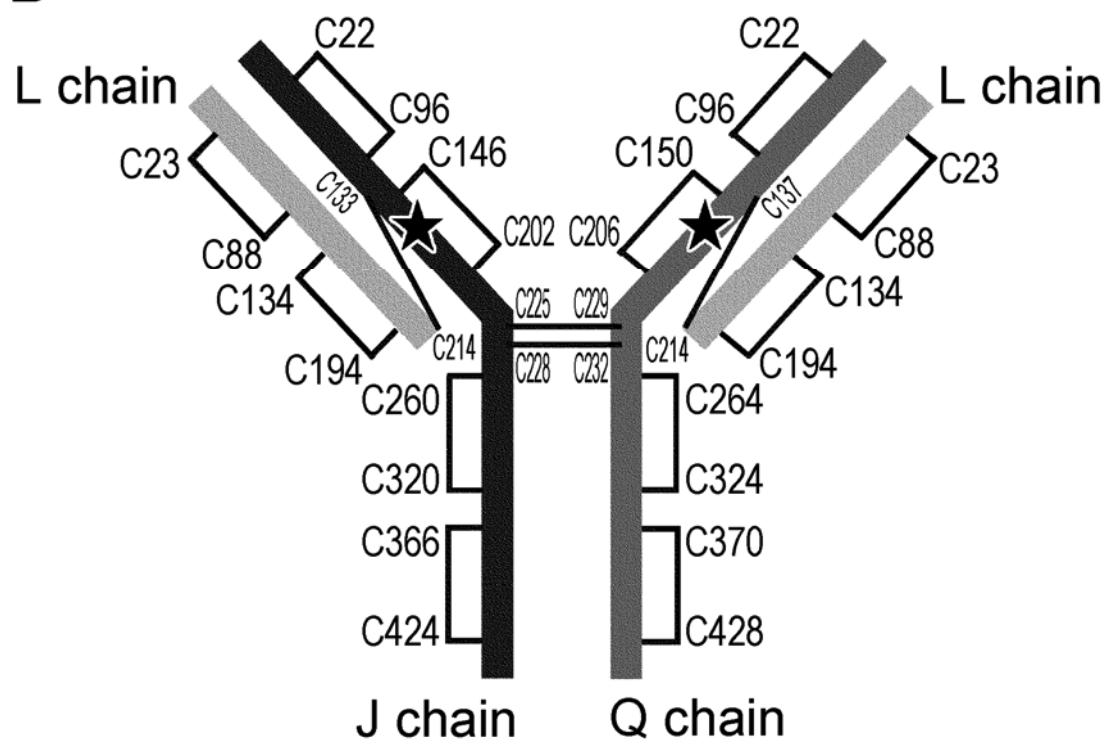


Fig. 9-1

B



Q chain: 152-180

J chain: 148-176

Fig. 9-2