

The complete amino acid sequences of the V_L and C_L regions of the NNA7 L chain and the complete amino acid sequences of the V_H and C_{H1} regions of the NNA7 H chain Fd fragment.

The PDB numbering scheme is provided over the sequence and the Kabat numbering scheme is provided under the sequence. The positions of the H and L chain CDRs are also indicated under the sequence. The sequences at the N-termini of the L and H chains differ from those found in the mouse germline because they result from the primer sequences used for the initial cloning of the N92 and NNA7 Fab fragments; similarly, the amino acids at the C-terminus of the H chain (PDB positions 224-230) result from the insertion of a hexahistidyl tag used for affinity purification. These sequences have been deposited in GenBank: NNA7 L chain (AF005351, DQ140176); NNA7 H chain (DQ075213).

NNA7 L chain
V_L

1	A	ala	0	2	E	glu	1	3	L	leu	2	4	V	val	3	5	M	met	4	6	T	thr	5	7	Q	gln	6	8	S	ser	7	9	P	pro	8	10	L	leu	9	11	S	ser	10	12	L	leu	11	13	P	pro	12	14	V	val	13	15	S	ser	14	16	L	leu	15	17	G	gly	16	18	Q	gln	17	19	D	asp	17	20	A	ala	18	21	S	ser	20
21	S	ile	21	22	I	ser	22	23	S	ser	23	24	C	cys	23	25	R	arg	24	26	S	ser	25	27	S	ser	27	28	Q	gln	27	29	S	ser	27A	30	L	leu	27B	31	V	val	27C	32	H	his	27D	33	S	ser	27E	34	S	ser	28	35	G	gly	29	36	N	asn	30	37	T	thr	31	38	Y	tyr	32	39	L	leu	33	40	H	his	34				
41	W	trp	35	42	Y	tyr	36	43	L	leu	37	44	Q	gln	38	45	K	lys	39	46	P	pro	40	47	G	gly	41	48	Q	gln	42	49	S	ser	43	50	P	pro	44	51	K	lys	45	52	L	leu	46	53	L	leu	47	54	I	ile	48	55	Y	tyr	49	56	K	lys	50	57	V	val	51	58	S	ser	52	59	N	asn	53	60	R	arg	54				
61	F	phe	55	62	S	ser	56	63	G	gly	57	64	V	val	58	65	P	pro	59	66	D	asp	60	67	R	arg	61	68	F	phe	62	69	S	ser	63	70	G	gly	64	71	S	ser	65	72	G	gly	66	73	S	ser	67	74	G	gly	68	75	T	thr	69	76	D	asp	70	77	F	phe	71	78	T	thr	72	79	L	leu	73	80	K	lys	74				
81	I	ile	75	82	S	ser	76	83	R	arg	77	84	V	val	78	85	E	glu	79	86	A	ala	80	87	E	glu	81	88	D	asp	82	89	L	leu	83	90	G	gly	84	91	V	val	85	92	Y	tyr	86	93	Y	tyr	87	94	C	cys	88	95	F	phe	89	96	Q	gln	90	97	G	gly	91	98	S	ser	92	99	H	his	93	100	V	val	94				
101	P	pro	95	102	L	leu	96	103	T	thr	97	104	F	phe	98	105	G	gly	99	106	A	ala	100	107	G	gly	101	108	T	thr	102	109	K	lys	103	110	L	leu	104	111	E	glu	105	112	L	leu	106	113	K	lys	107																																

←-----CDR1-----→

←-----CDR2-----→

←-----CDR3-----→

**NNA7 H chain
V_H**

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
E	V	Q	L	L	E	E	S	G	P	G	L	V	Q	P	S	Q	S	L	S
glu	val	gln	leu	leu	glu	glu	ser	gly	pro	gly	leu	val	gln	pro	ser	gln	ser	leu	ser
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
I	T	C	T	V	S	G	F	S	L	T	S	Y	G	V	H	W	V	R	Q
ile	thr	cys	thr	val	ser	gly	phe	ser	leu	thr	ser	tyr	gly	val	his	trp	val	arg	gln
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
S	P	G	K	G	L	E	W	L	G	V	I	W	S	G	G	S	T	D	Y
ser	pro	gly	lys	gly	leu	glu	trp	leu	gly	val	ile	trp	ser	gly	gly	ser	thr	asp	tyr
40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
N	A	A	F	I	S	R	L	S	I	S	K	D	N	S	K	S	Q	V	F
asn	ala	ala	phe	ile	ser	arg	leu	ser	ile	ser	lys	asp	asn	ser	lys	ser	gln	val	phe
60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
F	K	M	N	S	L	Q	A	D	D	T	A	I	Y	Y	C	A	R	N	R
phe	lys	met	asn	ser	leu	gln	ala	asp	asp	thr	ala	ile	tyr	tyr	cys	ala	arg	asn	arg
80	81	82	82a	82b	82c	83	84	85	86	87	88	89	90	91	92	93	94	95	96
101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
G	Y	S	Y	A	M	D	S	W	G	Q	G	T	S	V	T	V	S	S	S
gly	tyr	ser	tyr	ala	met	asp	ser	trp	gly	gln	gly	thr	ser	val	thr	val	ser	ser	ser
97	98	100a	100b	100c	100d	101	102	103	104	105	106	107	108	109	110	111	112	113	114

←-----CDR1-----→
 ←-----CDR2-----→
 -----CDR3-----→

