Supplementary information.



Figure S1. Ramachandran Plot. A) CXCR3_model_I-TASSER, B) CXCR3_Cluster_1_50 ns, C) CXCL9_model_I-TASSER, D) CXCL9_Cluster_1_5 ns, and E) Alpha_model_I-TASSER



Figure S2. Ramachandran Plot. A) CXCR3/ $G_{\alpha i/0\beta\gamma}T_0$ and B) CXCR3/ $G_{\alpha i/0\beta\gamma}$ Cluster_1_100 ns.



180

Figure S3. Ramachandran Plot. A) CXCR3_CXCL9_Docking, B) CXCR3_CXCL10_Docking, C) CXCR3_CXCL11_Docking.





Figure S4. AA-MD simulation of CXCL9 5 ns. A) CXCR3 model obtained from I-TASSER, B) Cluster_1 of the simulation, C) Alignment of T₀ and Cluster_1, RMSD =2.675 Å.



Figure S5. Rotation of TMs from the CG-MD simulation of CXCR3/GP complex.



Figure S6. RMSD of AA-MD simulations.



Figure S7. RMSD of CG-MD simulations.

Table S1. Salt bridge interactions CXCR3 with CXCL9, CXCL10 and CXCL11 in molecular docking. There are two salt bridges between CXCR3 and CXCL9, one between CXCR3_CXCL10, and none between CXCR3 and CXCL11.

CXCL9	CXCR3	Distance
NH1 ARG Q 30	OD1 ASP R 7	3.15
NH1 ARG Q 30	OD2 ASP R 7	2.88

CXL10	CXCR3	Distance
NH1 ARG Q 29	OE1 GLU R 15	3.79

Table S2. Salt bridge interactions CXCR3 with CXCL9, CXCL10 and CXCL11 in AA-MD 50 ns. There are nine salt bridges between CXCR3 and CXCL9, none between CXCR3 and CXCL10, and one between CXCR3_CXCL11.

CXCL9	CXCR3	Distance
NH1 ARG Q 27	OE1 GLU R 4	2.60
NH2 ARG Q 27	OE1 GLU R 4	2.90
NZ LYS Q 28	OD1 ASP R 13	2.88
NZ LYS Q 28	OD2 ASP R 13	2.75
NZ LYS Q 47	OE1 GLU R 21	2.76
NZ LYS Q 50	OE1 GLU R 21	3.82
NZ LYS Q 104	OD1 ASP R 28	2.59
NZ LYS Q 104	OD2 ASP R 28	3.71
NZ LYS Q 104	OE1 GLU R 31	2.65

CXCL11	CXCR3	Distance
NZ LYS Q 38	OE1 GLU R 4	3.16
NZ LYS Q 67	OE1 GLU R 4	2.65

Table S3. Salt bridge interactions CXCR3 with CXCL9 in CG-MD simulation. The salt bridges present in the three most representative clusters of the 1µs simulation.

Cluster_1		
CXCL9	CXCR3	Distance
NH1 ARG Q 27	OE1 GLU R 4	2.55
NH2 ARG Q 27	OE1 GLU R 4	3.03
NZ LYS Q 28	OE1 GLU R 15	2.54
NH2 ARG Q 30	OD1 ASP R 7	2.83
NH2 ARG Q 30	OD2 ASP R 7	2.84
NZ LYS Q 60	OD2 ASP R 13	2.50
NZ LYS Q 109	OE1 GLU R 21	3.09
NZ LYS Q 109	OE1 GLU R 196	2.62
NH2 ARG Q 114	OD1 ASP R 28	2.69
NZ LYS Q 115	OD2 ASP R 28	2.53
NZ LYS Q 115	OE1 GLU R 31	3.29
NH1 ARG Q 118	OD1 ASP R 35	2.75
NH1 ARG Q 118	OD2 ASP R 35	3.30
NH2 ARG Q 118	OD1 ASP R 35	3.73
NH2 ARG Q 118	OD2 ASP R 35	2.63
NZ LYS Q 122	OE1 GLU R 196	3.64

	Cluster_2	
CXCL9	CXCR3	Distance
NZ LYS Q 28	OE1 GLU R 15	2.59
NH1 ARG Q 30	OD1 ASP R 7	2.62
NH1 ARG Q 30	OD2 ASP R 7	3.71
NH2 ARG Q 30	OD1 ASP R 7	2.82
NZ LYS Q 50	OE1 GLU R 21	3.11
NZ LYS Q 60	OD1 ASP R 13	3.81
NZ LYS Q 60	OD2 ASP R 13	2.52
NZ LYS Q 68	OE1 GLU R 21	2.66
NZ LYS Q 87	OD2 ASP R 7	2.94
NH2 ARG Q 114	OD2 ASP R 28	2.63
NZ LYS Q 115	OD1 ASP R 28	2.64
NZ LYS Q 115	OE1 GLU R 31	2.95
NH1 ARG Q 118	OD1 ASP R 35	2.54
NH1 ARG Q 118	OD2 ASP R 35	3.94
NH2 ARG Q 118	OE1 GLU R 31	3.03
NZ LYS Q 122	OE1 GLU R 196	3.41
	CXCL9 NZ LYS Q 28 NH1 ARG Q 30 NH1 ARG Q 30 NH2 ARG Q 30 NZ LYS Q 50 NZ LYS Q 60 NZ LYS Q 60 NZ LYS Q 60 NZ LYS Q 60 NZ LYS Q 87 NH2 ARG Q 114 NZ LYS Q 115 NH1 ARG Q 118 NH1 ARG Q 118 NH2 ARG Q 118 NH2 ARG Q 118	Cluster 2 CXCL9 CXCR3 NZ LYS Q 28 OE1 GLU R 15 NH1 ARG Q 30 OD1 ASP R 7 NH1 ARG Q 30 OD2 ASP R 7 NH2 ARG Q 30 OD1 ASP R 7 NZ LYS Q 50 OE1 GLU R 21 NZ LYS Q 60 OD1 ASP R 13 NZ LYS Q 60 OD2 ASP R 13 NZ LYS Q 68 OE1 GLU R 21 NZ LYS Q 68 OE1 GLU R 21 NZ LYS Q 68 OE1 GLU R 21 NZ LYS Q 6115 OD2 ASP R 7 NH2 ARG Q 114 OD2 ASP R 28 NZ LYS Q 115 OE1 GLU R 31 NH1 ARG Q 118 OD1 ASP R 35 NH1 ARG Q 118 OD2 ASP R 35 NH1 ARG Q 118 OE1 GLU R 31 NH2 ARG Q 118 OE1 GLU R 31 NH2 ARG Q 118 OE1 GLU R 31 NZ LYS Q 122 OE1 GLU R 31

Cluster_3		
CXCL9	CXCR3	Distance
NH1 ARG Q 27	OE1 GLU R 4	2.76
NH1 ARG Q 27	OD2 ASP R 7	2.66
NH2 ARG Q 27	OE1 GLU R 4	2.87
NH1 ARG Q 30	OD1 ASP R 7	2.73
NH1 ARG Q 30	OD2 ASP R 7	3.28
NH2 ARG Q 30	OD1 ASP R 7	3.45
NZ LYS Q 50	OE1 GLU R 21	2.64
NZ LYS Q 60	OD2 ASP R 13	2.62
NH1 ARG Q 114	OD2 ASP R 28	2.65
NZ LYS Q 115	OD1 ASP R 28	2.56
NZ LYS Q 115	OE1 GLU R 31	2.59
NH1 ARG Q 118	OD2 ASP R 35	3.51
NH2 ARG Q 118	OD1 ASP R 35	3.17
NH2 ARG Q 118	OD2 ASP R 35	2.64

Table S4. Salt bridge interactions CXCR3 with CXCL10 in CG-MD simulation. The salt bridges present in the three most representative clusters of the 1µs simulation.

Cluster_1			
CXCL10	CXCR3	Distance	
NH1 ARG Q 29	OE1 GLU R 15	3.95	
NH2 ARG Q 29	OE1 GLU R 15	2.73	
NH2 ARG Q 43	OE1 GLU R 4	2.62	
NH1 ARG Q 59	OD1 ASP R 13	2.66	
NH2 ARG Q 59	OD1 ASP R 13	3.04	
NZ LYS Q 67	OD2 ASP R 28	2.56	
NZ LYS Q 72	OD1 ASP R 46	3.00	
NZ LYS Q 72	OD2 ASP R 46	2.71	
NZ LYS Q 80	OD1 ASP R 7	3.45	
NZ LYS Q 80	OD2 ASP R 7	2.55	
NZ LYS Q 87	OE1 GLU R 31	2.79	
NZ LYS Q 91	OE1 GLU R 21	2.97	

Cluster_2		
CXCL10	CXCR3	Distance
NH1 ARG Q 29	OE1 GLU R 15	3.17
NH2 ARG Q 59	OD1 ASP R 13	3.28
NH2 ARG Q 59	OD2 ASP R 13	2.74
NZ LYS Q 80	OD1 ASP R 7	2.53
NZ LYS Q 87	OD1 ASP R 28	2.87
NZ LYS Q 87	OD2 ASP R 28	2.71
NZ LYS Q 91	OE1 GLU R 21	3.13

Clsuter_3		
CXCL10	CXCR3	Distance
NH2 ARG Q 29	OE1 GLU R 15	3.33
NH2 ARG Q 59	OD2 ASP R 13	2.98
NH1 ARG Q 73	OE1 GLU R 4	3.16
NH2 ARG Q 73	OE1 GLU R 4	3.95
NZ LYS Q 80	OD1 ASP R 7	2.84
NZ LYS Q 80	OD2 ASP R 7	2.77
NZ LYS Q 91	OE1 GLU R 21	2.88

Table S5. Salt bridge interactions CXCR3 with CXCL11 in CG-MD simulation. The salt bridges present in the three most representative clusters of the 1µs simulation.

Cluster_1		
CXCL11	CXCR3	Distance
NH1 ARG R 197	OE1 GLU Q 90	3.26
NZ LYS Q 26	OD2 ASP R 7	2.57
NH1 ARG Q 27	OE1 GLU R 4	3.21
NH1 ARG Q 27	OD2 ASP R 13	3.40
NH2 ARG Q 27	OE1 GLU R 4	2.71
NH2 ARG Q 27	OD1 ASP R 7	2.68
NH2 ARG Q 29	OD1 ASP R 13	2.95
NZ LYS Q 70	OE1 GLU R 15	2.56
NZ LYS Q 78	OD2 ASP R 52	2.55
NH1 ARG Q 83	OE1 GLU R 21	2.63
NZ LYS Q 87	OD1 ASP R 46	2.72
NZ LYS Q 87	OD2 ASP R 46	2.84
NZ LYS Q 88	OE1 GLU R 293	2.62
NH1 ARG Q 91	OE1 GLU R 33	3.06
NZ LYS Q 92	OE1 GLU R 31	2.72
	Cluster_3	
CXCL11	CXCR3	Distance
NH2 ARG R 197	OE1 GLU Q 90	2.69
NH1 ARG Q 27	OE1 GLU R 4	2.71
NH2 ARG Q 27	OE1 GLU R 4	3.12
NH1 ARG Q 29	OD1 ASP R 13	2.63
NH1 ARG Q 29	OD2 ASP R 13	3.29
NZ LYS Q 38	OD1 ASP R 7	2.81
NZ LYS Q 38	OD2 ASP R 7	2.75
NZ LYS Q 47	OE1 GLU R 15	3.02
NH1 ARG Q 83	OE1 GLU R 21	2.83
NH2 ARG Q 83	OE1 GLU R 21	3.35
NZ LYS Q 87	OD1 ASP R 46	2.64
NZ LYS Q 87	OD2 ASP R 46	2.68
	OF1 CILL P 106	3 58

NZ LYS Q 88 OE1 GLU R 293 2.71 NH1 ARG Q 91 OE1 GLU R 33 2.67 NH2 ARG Q 91 OE1 GLU R 33

OE1 GLU R 31

NZ LYS Q 92

2.79

2.72

Cluster_2		
CXCL11	CXCR3	Distance
NZ LYS Q 26	OD2 ASP R 7	3.44
NH2 ARG Q 27	OE1 GLU R 4	3.31
NH1 ARG Q 29	OD2 ASP R 13	2.80
NH2 ARG Q 29	OD1 ASP R 13	3.79
NH2 ARG Q 29	OD2 ASP R 13	1.83
NZ LYS Q 80	OD1 ASP R 46	3.54
NH1 ARG Q 83	OE1 GLU R 21	3.97
NH2 ARG Q 83	OE1 GLU R 21	2.51
NH2 ARG Q 91	OE1 GLU R 33	2.14

	0 ns		100 ns		200 ns		300 ns		400 ns		500 ns		600 ns	1	700 ns		800 ns		900 ns		1000 ns
R	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q
D13	K28,557	E4	R27	E15	Q72,K28	D7	R30	N22	К68	D13	S57,K60	A285	K28	N22	T40,K68	D7	R30,R27	D7	R30	E4	R27
E4	R27	D7	R30	A14	T73	E4	R27,T23	Q9	К60	A17	A53	N12	V26,Q72	L286	K68	E4	R27	N22	K68	H8	R27
V5	R27	D13	K60,164	D7	R30	L3	T23	D13	K60,S55	E21	K50,Q51,K109	D7	R30,R27	N12	V26	S6	R30	S26	K68	S6	R30
M1	E59,E62	Q9	R30,E62	E4	R27	N12	K28	E15	17,55	L20	K109	E4	R30,R27	A14	A65	N12	V26	R292	Q72	D7	R30
D7	R30,E59	\$24	P54	D195	K123	G284	K28	L11	Q72	D7	Q72,R30,K28	S26	Q38	E15	K28,T66	E15	K28,T66	E15	T66	E21	K109,Q51
S6	G29	D28	K115,R114	N206	K123	E15	G29	D7	G29,R30	E15	K28,N69	N22	K68	L11	Q72	D13	K60	N12	K28	D112	K123
E21	N69	N32	R114	H194	K123	A14	T66	S6	R30	G284	K28	E15	T66	D7	R30, R27	Q9	K60	Q45	N69	D13	S57,K60
		E31	K115,R118	E196	K122	N22	N69,K68	\$25	D48	E4	R27	D13	К60	E21	V113,K109	N22	L46	E21	Q51,K109,K50	L19	T66
		D35	R118	E31	K115	E21	K68,K109	N32	Q117	N22	L67	E21	K109	E196	К109,К122	Q45	K68	E4	R27	E15	T66,K28,Q72
				D35	R118	E196	K122	D28	Q117,R114	N12	V26	E196	K109,K122	H194	K122	Y29	D48	Y29	K50,D48	A285	K28
				D28	Q117,R114	D195	K123	Y29	L46	D28	R114,S116,K115	D195	К122	D195	K122	E21	K50,K109	D13	K60	R292	Q72,N69
				S25	R114	H194	K123	E21	Q51	E31	K115,R118	H194	K122,Q121	Y29	L46	S24	K109	S25	D48	N22	K68
				S24	R114	H193	K123	524	K109	D35	R118	N32	R114	S25	D48	N32	R114	N32	R114	D46	N69,K68
				E21	Q51,K50	N206	K123	N199	K115	E196	K122	E31	K115,R118	N32	R114	D28	R114,K115,S116	D28	R114,K115	Q45	K68,N69,Q44
						\$24	R114	E31	K115	L198	R120	D28	R114,S116	S24	R114	E31	K115	D35	R118	D195	H105
						D28	R114,S116,K115	D35	R118	D195	K122	D35	R118	D28	R114	D35	R118	E31	R120,K115	H193	K103
						E31	K115,R118	E196	К109,К122	A192	K123			N199	K115,R118	A192	T124	\$36	R120	Y29	KS0
						D35	R118	D195	K122					E31	R118	N199	\$119,R120	D195	K122	D35	R118
								E4	R27					D35	R118	A200	R120	E196	K122	E31	R118
								H194	K122					D13	K60	H194	K122	H194	K122	N199	R122
														N206	T125	E196	K122	A192	K123	Y27	S119
																D195	K122			D28	R118,R114
																				\$24	R114
																				N32	R114

Table S6. Polar interactions between CXCR3_CXCL9 CG-MD.

Table S7. Polar interactions between TMs in CXCR3_CXCL9 CG-MD.100 ns: R252-V321, 400 ns: Y150-A253, 700 ns: Y150-A253, 800 ns: Y150-A253.

0 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7	100 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1		N71-A96, D99	-		-	•	Y60-S301	TM1	•	N71-D99					
TM2	-	-	-	-	-		-	TM2		-	D99-N134	-			T105-Y308
TM3	-	-	-	N132-D186		F135-W268	-	ТМЗ			-			N134-Y271	R149-Y318
TM4	-	-	•	- 182 - I	D186-Q219		-	TM4	-	-			D186-R216, Q219		-
TM5	-	-			•	-	-	TM5					-	A222-H272	
TM6	-	-	-	-			Y271-K300							G223-W268	
								TM6	-	-	-		-		

200 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7	300 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1		Y60-A110			-	-		TM1	-	-		-		-	•
TM2	•	•	D99-N134 L102-N134	H94-W176		•	T105-Y308 W109-S301	TM2		1.000	D99-N134 L102-N134	1.0	•	•	-
TM3	•	•••	•	-	N132-R216, Q219 G128-R216	•	S146-Y318	ТМЗ		-	•	1	G128-R216 N132-L220	F131-Y271 Y150-L256	-
TM4	-	-			D186-R216, Q219		-	TM4	-	-			D186-R216, Q219	-	-
TM5	-	-	-	-		L225-W268		TM5	-	-	-	-	÷	R216-Y271	-
								TM6							•
TM6															

400 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7	500 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	Y60-A110	-	-	-	-	-	TM1	-	N71-D99	-	-	-	-	-
TM2	-	-	L102-N134	-	-	-	T105-Y308	TM2	-	-	D99-N134	-	-	-	T105-Y308
TM3	-	-	-	N132-F182, D186	N132-R216	F131-Y271	-	TM3	-	-	-	N132-D186	Y136-F224	-	-
TM4	-	-	-	-	F182-Q219	-	-	TM4	-	-	-	-	D186-R216, Q219	-	-
					D186-R216			TM5	-	-	-	-	-	L225-W268	-
TM5	-	-	-	-	-	F224-W268	-	TM6		-	-	-	-	-	V274-K300
TM6	-	-	-	-	-	-	-								

600 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7	700 ns	TM1
TM1	-	N71-D99, T100	-	-	-	-	Y60-S301	TM1	-
							N71-Y308	TM2	-
TM2	-	-	D99-N134	-	-	-	L104-Y308		
			L102-IN134					TM3	-
TM3	-	-	-	-	N132-R216, V221	Y150-L256	-		
					1130-1224			TM4	-
TM4	-	-	-	-	F182-R216	-	-	T145	
					D186-R216			CIMI	-
TM5	-			-	_	G223-H272	_	TM6	-
TWIO						L225-W268			
TM6	-	-	-	-	-	-	-		

700 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	N71-A96	-	-	-	-	-
TM2	-	-	H94-W176	-	-	-	L102-Y308 T105-S304
TM3	-	-	-	-	N132-R216 Y136-F224	F131-Y271	S146-N314
TM4	-	-	-	-	D186-R216	-	-
TM5	-	-	-	-	-	L225-W268	-
TM6	-	-	-	-	-	-	V274-K300

800 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	N71-A96	-	-	-	-	-
TM2	-	•	D99-N134 L102-N134			-	D99-Y308 T105-S304
ТМЗ	•		•	N132-F182 N132-D186	N132-R216, Q219	-	
TM4	-	-	-	-	D186-R216, Q219	-	-
TM5	-	-	-	-		-	-
TM6	-	-	-	-	-	-	-

900 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	A75-T100 S80-H94					•
TM2	-		L102-N134	H94-W176	-		
TM3	-	-	-	-	Y136-F224	F131-Y271	N134-Y308
TM4	-	-	-	-	D186-R216,Q219	-	
TM5	-			-	-		
TM6	-	-	-	-	-	-	

1000 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	N71-D99	-	-	-	-	-
TM2	-	-	D99-N134	-	-	-	T105-Y308
ТМЗ	-			-	G128-R216 N132-R216, Q219 Y136-F224	-	-
TM4	-	-		-	D186-R216, Q219	-	-
TM5	-	-	•	-	•	L225-W268 P227-W268	-
TM6	-	-		-	-	-	-

_	0 ns	1	.00 ns	2	00 ns	300) ns		400 ns	5	00 ns	6	00 ns	7	00 ns	8	00 ns	9	00 ns	10	000 ns
R	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q
E15	R29	E4	\$34,R73	C38	K87	Y27	A81	E31	K87	Y27	K87	D13	R59	S24	K91	E15	R29	P42	K67	E21	K91,V28
E4	R73	E15	R29	S40	K87	S24	L86	D28	K87	E31	K87	E15	R29	E21	K91,Q55	H8	C32	P44	K72	E15	R29
D13	R59	D13	R59	D28	K87	E21	V28	T39	K87	D46	K72,P52	R197	E71,A64	E15	R29	D13	C32,R59	D46	K72	T39	A64
Q9	R37, R59,C32			E21	K91	D7	K80	N50	V28	F47	P52	D195	K47	N22	R29	D7	K80	E4	R43	H8	C30
				D7	K80	D13	R59	D7	K80	Q45	A53	E4	R43	D28	K67	C43	M66	L3	Q38	S6	\$79,R59
				D13	R59,175	L3	R43	S6	K80,R59	N22	V28	S6	N76	T39	K67	E21	K91,V28	E21	K91	D13	R59,K80
				H8	\$34	E4	R43	E15	R29	E21	V29,K91	N12	K80	D13	R59	E31	K87	E15	R29	D7	K80
				V10	C30	E15	R29	A14	R29	E15	R29	D7	K80	E4	R43,K80	V115	K72	V10	V28	N12	K80
				E15	R29			D13	R59	D13	R59	E21	K91	E7	K80	D46	K72	D13	C30,R59	M1	\$34
								E4	R43	H8	K67	S24	L86			548	Q55	N12	K80	D28	K67
								E21	K91	E4	E4	T39	K87			\$40	T65,K67	D7	K80	S40	K67
								Q45	K91			D28	K87			E4	R43	Y27	L86	C43	M66
								D46	Q55,S54,K72									E31	K87	P44	K72
																		S40	T65	Y27	K87
																				E31	K87
					÷															E4	R43
																		()		D46	\$54
																				F47	P52

Table S8. Polar interactions between CXCR3_CXCL10 CG-MD.

Table S9. Polar interactions between TMs in CXCR3_CXCL10 CG-MD. 0 ns: Y223-H237, Y235-M254, L256-A253 and V258-M254, 200-300 ns: Y150-H337.

0 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7	100 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1		N71-T100		-	-	-	Y60-S304	TM1		-	-	-	-	-	-
TM2	-	-	D99-N134			-	W109-Y308	TM2	-	-	D99-N134			-	-
TM3	-		•			-		TM3	-	-	•	N132-D186	N132-Q219	-	-
TM4	-		-		D186-Q219	-		TM4	-	-	-	-	D186-Q219	-	-
TM5	-	-		-	-	-	-	TM5	-	-	-	-	-	-	-
TM6							F264-H310	TM6		-					-

200 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7	300 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	-	-		-	-	-	TM1	-	-	-	-	-	-	Y60-Y308
TM2				-		-	D99-Y308	TM2	-	-	D99-N134	-	-	-	
TM3				N132-F182, D186	-	-	N134-G307	7140			W103-V120	N400 D400	N/400 0040		
							L141-Y318	TM3	-	-		N132-D186	N132-Q219	-	-
TM4			-		D186-Q219	-	-	TM4	-	-	-		D186-Q219	-	
TM5			-	-		-		TM5	-	-	-	-	-	-	-
TM6				-		-		TM6	-	-	-	-	-	-	

400 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7	500 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	N71-T100		-	-	-	Y60-S304	TM1	-	Y60-W109	-	-		-	-
TM2	-	-	D99-N134	H94-W176	-	-	L102-Y308			N71-D99					
TM3			_	N132-E182 D186	N132-0219	-		TM2	-	-	D99-N134	L101-W176	-	-	T105-Y308
11013	-			N132-F102, D100	14132-0219	-		TM3				N132-D186	N132-0219		N134-G307
TM4	-	-	-		D186-Q219	-	-	11110				11102-0100	NITEL GLID		11101-0001
TME							VODE ND44	TM4	-	-	-	-	D186-Q219	-	-
TIMD	-	-	-	-		-	1230-11314	TAAF							
TM6		-						TIMD	-	-	-	-	-	-	-
								TM6	-	-	-	-	-	-	-

600 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	N71-L95 Y60-W109	-	-	-	-	-
TM2	-	-	D99-N134	H94-W172, W176	-	-	T105-Y308
TM3	-	-	-	N132-D86 D148-T171	N132-Q219	-	-
TM4	-	-	-	-	D186-Q219	-	-
TM5	-	-	-	-	-	-	-
TM6	-	-	-	-	-	-	-

700 ns	TM1	TM2	ТМ3	TM4	TM5	TM6	TM7
TM1	-	N71-D99 Y60-W109	-	-	-	-	N71-C311
TM2	-	-	-	-	-	-	D99-Y308 L102-Y308
TM3	-	-	-	N132-D186	-	-	-
TM4	-	-	-	-	D186-Q219	-	-
TM5	-	-	-	-	-	F224-W268	-
TM6	-	-	-	-	-	-	-

800 ns	TM1	TM2	ТМЗ	TM4	Т	VI5	TM6	T	/17
TM1	-	Y60-T105	-	-		-	-		-
TM2	-	-	D99-N134	-		-	-	D99-	Y308
ТМЗ	-	-	-	N132-D186	N132	-Q219	-	N134 R150	G307 Y318
TM4	-	-	-	- D186-Q219		-Q219	-		-
TM5	-	-	-	-			-		-
TM6	-	-	-			-	-	F264-	H310
1000 ns	TM1	TM2	TM3	TM4		TI	1 5	TM6	т
TM1	-	Y60-T105	-	-		-		-	
TM2	-	-	D99-N134	H94-W1	76	-		-	L102
TM3	-	-	-	-		Y136-	Q219	-	
TM4	-	-	-	-		D186-	Q219	-	

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TM5

TM6

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900 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	N71-D99 Y60-T105	-	-	-	-	-
TM2	-	-	D99-N134	H94-W176	-	-	L102-Y308
TM3	-	-	-	-	-	-	-
TM4	-	-	-	-	-	-	-
TM5	-	-	-	-	-	-	-
TM6	-	-	-	-	-	-	-

	0 ns	10	00 ns	20	00 ns	300	ns	400	ns	5	00 ns	6	DO ns	7	00 ns		800 ns	9	00 ns	10	00 ns
R	Q	R	Q	R	Q	R	Q	R	QK	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q
N22	A48	D7	K26	D46	K80	E21	R83	E15	K38	S6	F25,K26	D7	К26	E4	R27	E15	N55,K47	V2	R27	D13	R29
A18	S49	E4	R27,G28	E293	K88	S25	R83	D13	R29	M1	К26	E4	K26,R27	D13	R29	E4	R27	E4	R27	R197	E90,V89
D46	K87	S6	R29	E15	K70	V5	R29	E4	R27	D7	K26	L3	R27	E15	к70	D7	G28,R27,K26	D7	V37,K38	S6	K38
L11	Q72	D13	R29	H8	G28,K2 6	D13	R29	D7	K26	E4	R27	E21	R83	H194	R91	A18	R83	E15	К47,К41	D7	K38
V2	M24	N289	K88,K47	Q9	K26	E4	R27	N50	K78	E15	к70	A18	N56	D195	R91	E21	R83	D13	R29	S40	R91
E33	K92	E15	К70	D7	K26,R2 7	S6	R27, G28	F47	K80	D13	R27,R29	E15	Y52,S49, K70	E196	R91	E31	K92	E21	R83	E33	R91
Q9	R29	D46	K80	E4	R27	D7	K26	E21	R83	A18	S54	H194	R91	E33	R91	Y27	К92	D52	S79	P41	R91
D13	R29,N56	E21	R83	V5	R29	D195	R91	N289	E90	E21	N56,R83	E33	R91	R197	E90	R197	E90	N50	S79,K78	S26	N93
		S25	R83	D13	R29	E33	R91	R197	E90	S25	R83	R197	E90	D7	K26,K47	D13	R29	F47	Q81	A18	K59
		E293	K87	\$34	R91	R197	E90	L198	V89	Q45	R83	N199	K88	E31	К92	E293	K88	D46	K87	E21	R83
		Y29	R91	H194	R91	N289	E90, K88	T201	K87	D46	R83,K87	L198	K87	N22	S54	T201	K87	R197	E90	E15	К47
		C290	K87	E196	R91	E293	K88	N199	K88	A200	K87	Q45	K87	E21	R83	N199	K87	E31	K92	F47	Q81
		S26	R91,K92	E33	R91	D46	K87, K80	E293	K88	V118	K87	D46	A82	D46	A82,K87	E33	R91	G30	K92	Q45	K87
		R197	E90	G30	R91	Q45	K80	E33	R91	N199	K88	F47	Q81	E293	K88	D46	K87	E196	R91	D297	Q81
		Y27	K92	E31	К92	E15	K70	G30	R91	N289	K88	S48	S79	D52	К78	S48	К78	E33	R91	E4	К26
		E31	K92	S26	N93,E9 0	S26	K92			N50	K78	D52	S79,K78							E293	K88
				R197	E90	E31	K92			R197	E90,V89	Y27	K92							N289	K88
				Y29	K87,i86					N22	185	D13	R29							A287	T65
				N199	K87					E31	К92									N50	К78
				S25	R83					E33	R91										
				E21	150,r83					\$34	R91										
				C43	Q81					H194	R91										
										548	Q81										

Table S10. Polar interactions between CXCR3_CXCL11 CG-MD.

Table S11. Polar interactions between TMs in CXCR3_CXCL11 CG-MD. 500 ns: Y150-C234, H237, 600: R252-F320, 700 ns: R252-F320, 800 ns: R252-F320.

0 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7	100 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	-	-	-	-	-	-	TM1	-	-	-	-	-	-	-
TM2	-	-	D99-N134	-	-	-	-	TM2	-	-	D99-N134	-	-	-	-
ТМ3	-	-	-	N132-D186	-	-	-	TM3	-	-	-	N132-D186	-	-	-
TM4	-	-	-	-	D186-Q219	-	-	TM4	-	-	-	-	D186-Q219	-	-
TM5	-	-	-	-	-	-	-	TM5	-	-	-	-	-	-	-
TM6	-	-	-	-	-	-	-	TM6	-	-	-	-	-	-	-

200 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7	300 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	-	-	-	-	-	Y60-S301	TM1	-	-	-	-	-	-	Y60-S301
TM2	-	-	D99-N134	H94-W176	-	-	D99-Y308	TM2	-	-	-	-	-	-	-
TM3	-	-	-	-	A139-A222	N134-Y271	-	TM3	-	-	-	N132-D186, F182	-	G138-W268	-
					¥150-V230	G138-W268		TM4			-	_	D186-0219	-	-
TM4		-	-	-	D186-Q219		-						D100 Q210		
					Bios quite			TM5	-	-	-	-	-	-	-
TM5	-	-	-	-	-	G223-W268	-	-							
THE								I M6	-	-	-	-	-	-	-
11/16	-	-	-	-	-	-	-								

400 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7	500 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	-	-	-	-	-	Y60-S301	TM1	-	N71-T100	-	-	-	-	-
TM2	-	-	D99-N134	-	-	-	-	TM2	-	-	D99-N134	H94-W176	-	-	D99-Y308 L102-Y308
TM3	-	-	-	N132-D186	-	-	-	T140					1450 0004		
TM4	-	-	-	-	D186-Q219	-	-	TM3	-	-	-	N132-D186	¥150-C234	G138-W268	-
TM5	-	-	-	-	-	-	-	TM4	-	-	-	-	-	-	-
TM6	-	-	-	-	-	-	-	TM5	-	-	-	-	-	-	-
								TM6	-	-	-	-	-	-	-

600 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7	700 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	-	-	-	-	-	Y60-S301	TM1	-	N71-D99	-	-	-	-	-
TM2	-	-	D99-N134	-	-	-	192-318			S80-H94					
			200 1110 1				D99-Y308 L102-Y308 W109-S304	TM2	-	-	D99-N134	H94-W176	-	-	D99-Y308 L102Y308 L104-Y308
TM3	-	-	-	N138-F182	Y136-L218	G138-W268	-								W109-S304
					Y150-Y233, C234			TM3	-	-	-	-	Y150-Y233	G138-W268	-
TM4	-	-	-	-	D186-Q219	-	-	TM4	-	-	-	-	R186-Q219	-	-
TM5	-	-	-	-	-	-	-	TM5	-	-	-	-	-	-	-
TM6	-	-	-	-	-	-	-	TM6	-	-	-	-	-	-	Y271-L306

800 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7	900 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	-	-	-	-	-	Y600-S301	TM1	-	-	-	-	-	-	-
TM2	-	-	D99-N134	H94-W176	-	-	D99-Y308	TM2	-	-	D99-N134	H94-W176	-	-	D99-Y308
TM3	-	-	-	N132-D186	-	G138-W268	-	TM3	-	-	-	N132-D186	-	N132-Y271	-
TM4	-	-		_	-	-	-							G138-W268	
								TM4	-	-	_	-	D186-0219		-
TM5	-	-	-	-	-	-	-	1101-1					B100 Q210		
								TM5	-	-	-	-	-	-	-
TM6	-	-	-	-	-	-	-								
								TM6	-	-	-	-	-	-	-

1000 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	N71-D99	-	-	-	-	-
TM2	-	-	D99-N134	-	-	-	D99-Y308
TM3	-	-	-	N132-D186	Y136-L218	-	-
TM4	-	-	-	-	D186-Q219	-	-
TM5	-	-	-	-	-	-	-
TM6	-	-	-	-	-	-	-

Table S12. Polar interactions between TMs in CXCR3/GP complex 1 μs. The arginine cage is present at 1000 ns and R149 interacts with TM5 and TM7. The residue R149 is not oriented to GP in any frame of simulation.

0 ns	TM1	TM2	TM3	TM4	TM5	;	TM6	T	/17	100 ns	TM1	TM2	Т	M3	TM4	TM5	TM6	ΤM	17	
TM1	-	-	-	-	-		-	Y60-	S301	TM1	-	N71-T1	00	-	-	-	-	-		
TM2	-	-	D99-N134	-	-		-		-	TM2	-	-		-	-	-	-	-		
TM3	-	-	-	-	Y136-L2	218	-	A127,F1	.31-Y308	TM3	-	-		-	-	-	N132-Y271	A127-	S304	
					N132-Q	219				TM4	-	-		-	-	D186-Q219	-	D186-	K300	
TM4	-	-	-	-	D186-Q	219	-	D186	-K300	TM5	-	-		-	-	-	-	-		
TM5	-	-	-	-	-		-		-	TM6	-	-		-	-	-	-	-		
TM6	-	-	-	-	-		-	L256	-Y318											
200 ns	TM1	L TM2	TM3		TM4	Т	M5	TM6	ТМ	7	300 ns	TM1	TM2		ТМЗ	TM4	TM5		TM6	Т
TM1	-	-	-		-		-	-	-		TM1	-	-		-	-	-		-	
TM2	-	-	D99-N134	1	-		-	-	-		TM2	-	-	D9	9-N134		-		-	
TM3	-	-	-	N13	82-D186	Y136	5-L218	-	I145,R14	9-Y318	TM3	-	-		-	-	Y136-L2	218	N132-Y271	A127
TM4	-	-	-		-	D186	5-Q219	-	D186-I	K300							S146-P227	, Y235		S146
TM5	-	-	-		-		-	-	-		TNAA						D196 O	210		D194
TM6	-	-	-		-		-		-				-		-	-	D190-Q	213	-	0180
											111/15	-	-		-	-	-		K210-V2/5	
											TM6	-	-		-	-	-		-	Y271 A263

400 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7	500 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	-	-	-	-	-	-	TM1	-	-	-	-	-	-	-
TM2	-	-	D99-N134	-	-	-	-	TM2	-	-	D99-N134	-	-	-	-
TM3	-	-	-	-	Y136-L218	G128, N132-Y271	L130-Y308 I145-Y318	TM3	-	-	-	N132-F186, D186	S146, Y150-Y235 Y136-L218	G128, N132-Y271	L130-S304 N134-Y308
TM4	-	-	-	-	-	-	D186-K300								I145, R149-Y318
TM5	-	-	-	-	-	L220-H272	Q219-K300	TM4	-	-	-	-	D186-Q219	-	D186-K300
							Y235-Y318	TM5	-	-	-	-	-	-	-
TM6	-	-	-	-	-	-	Y271-K300 V260-N314	TM6	-	-	-	-	-	-	-

7	700 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
312	TM1	-	-	-	-	-	-	-
	TM2	-	-	D99-N134	-	-	-	-
5304	TM3	-	-	-	-	N132-Q219	A126-Y271	A126-S304
K300						Y136-L218		R149-Y318
200						1150-0254		
1300	TM4	-	-	-	-	D186-Q219	-	D186-K300
	TM5	-	-	-	-	-	-	-
	TM6	-	-	-	-	-	-	A263-N314

600 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	-	-	-	-	-	N71-C312
TM2	-	-	-	-	-	-	-
TM3	-	-	-	-	Y136-L218	F131-Y271	A127-S304
TM4	-	-	-	-	-	-	D186-K300
TM5	-	-	-	-	-	-	Q219-K300
TM6	-	-	-	-	-	-	-

800 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7	900 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	-	-	-	-	-	-	TM1	-	-	-	-	-	-	N71-C312
TM2	-	-	D99-N134	-	-	.=	-	TM2	-	-	D99-N134	-	. .	-	D99-Y308
TM3	-	-	-	N132-F182	Y136-L218	-	A126-S304 N134-Y308	ТМЗ	-	-	-	-	N132-F181	N132-Q219 R149-Y235	N134-Y308 R149-V231
TM4	-	-	0 	-	-	-	D186-K300	TM4	-	-	-	-	-	-	D186-K300
TM5	-	-		-	-	R216-V275	-	TM5	-	-	-	-	-	Q219-Y271	-
						Q219-Y271		TM6	-	-	-	-		-	A263-H310
TM6	-	-	-	-	-	-	-								

1000 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	-	-	-	-	-	-
TM2	-	-	D99-N134	-	-	-	-
ТМЗ	-	-	-	-	-	-	A126-S304 L130-Y308 I145-Y318 R149-Y318
TM4	-	-	-	-	D186-Q219	-	D186-K300
TM5	-	-	-	-	-	Q219-Y271 L220-H272	-
TM6	-	-	-	-	-	-	-

	0 ns	25	ns	5	0 ns		75 ns		100 ns	1	25 ns	1	50 ns	175	5 ns	200	ns	225	ins	2	50 ns
R	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q	R	Q
E31	K87	P41	K67	D13	K80	S40	Т65 <mark>, К</mark> 67	S24	K91	D13	K83	E4	N37	S24	K91	A18	Q55	E21	R59	E21	R59
E4	R43	S40	K67	S48	Q55	P41	K67	D28	K91	E21	K91	A14	C30	D28	K91	E21	R59	A14	C30	D13	K87
D13	R59	C43	K67	S40	K67	C43	K67	S40	A64, K67	*Y27	K87	E21	R59, K91	P41	K67	D7	K83	H8	N37	D46	K67
H8	R59, E78, N76	D13	K80	P41	K67	E21	К91	E21	R59			C43	K67	L3	N37	D13	K83			A14	C30
S40	A64	E21	К91	C43	K67			*Y27	К87			S40	K67	D7	R29	P41	K67			S6	S36, Q38
D28	K67	NAG32	K87	*Y27	K87							*Y27	K88	E15	R29	*Y27	K87				
S24	K67													E21	R59						
Q11 6	К72																				
E21	К91																				
N22	V28																				
S48	V28, R29																				
E15	R29																				

Table S13. Polar interactions between CXCR3_CXCL10 250 ns AA-MD.

Table S14. Polar interactions between TMs in CXCR3 CXCL10 250 ns AA-MD.	

0 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	N71-D99 S80-H94	-	-	-	-	W71-C311
TM2	-	-	-	V97-W176	-	-	T105-S304
TM3	-	-	-	N132-D186	N132-219	-	-
TM4	-	-	-	-	-	-	-
TM5	-	-	-	-	-	-	-
TM6	-	-	-	-	-	-	-

25 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	N71-D99	-	-	-	-	-
TM2	-	-	-	-	-	-	-
TM3	-	-	-	N132-F182, D186	-	-	N134-C311
TM4	-	-	-	-	-	-	-
TM5	-	-	-	-	-	-	-
TM6	-	-	-	-	-	-	-

50 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	N71-D99	-	-	-	-	-
TM2	-	-	-	-	-	-	-
ТМ3	-	-	-	N132-D186	S146-Y235	-	A137-N314
TM4	-	-	-	-	-	-	-
TM5	-	-	-	-	-	R216-Y271	-
TM6	-	-	-	-	-	-	-

100 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	N71-D99	-	-	-	-	-
TM2	-	-	-	-	-	-	-
TM3	-	-	-	N132-F182	-	-	A137-N314
TM4	-	-	-	-	-	-	-
TM5	-	-	-	-	-	R216-Y271	-
TM6	-	-	-	-	-	-	-

75 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	-	-	-	-	-	-
TM2	-	-	-	-	-	-	-
TM3	-	-	-	N132-D186	S146- Y235	N134-W268	A137-N314 R149-Y318
TM4	-	-	-	-	-	-	-
TM5	-	-	-	-	-	Q219-Y271	-
TM6	-	-	-	-	-	-	-

125 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	N71-D99	-	-	-	-	-
TM2	-	-	-	-	-	-	-
TM3	-	-	-	N132-D186	-	N134-W268	A137-N314
TM4	-	-	-	-	-	-	-
TM5	-	-	-	-	-	R216-Y271	-
TM6	-	-	-	-	-	-	-

150 ns	TM1	TM2	ТМ3	TM4	TM5	TM6	TM7
TM1	-	-	-	-	-	-	-
TM2	-	-	-	-	-	-	-
TM3	-	-	-	N132-D186	-	-	-
TM4	-	-	-	-	-	-	-
TM5	-	-	-	-	-	-	-
TM6	-	-	-	-	-	-	-

175 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7	
TM1	-	-	-	-	-	-	-	
TM2	-	-	-	-	-	-	-	
TM3	-	-	-	N132-D186	-	N134-W268	A137-N314	
TM4	-	-	-	-	-	-	-	
TM5	-	-	-	-	-	-	-	
TM6	-	-	-	-	-	-	-	

200 ns	TM1	TM2	тмз	TM4	TM5	TM6	TM7
TM1	-	N71- D99-	-	-	-	-	-
TM2	-	-	-	-	-	-	W109-S302
ТМЗ	-	-	-	N132-D186	-	N134-W268	A137-N314
TM4	-	-	-	-	-	-	-
TM5	-	-	-	-	-	-	-
TM6	-	-	-	-	-	-	-

225 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	A76-D99	-	-	-	-	-
TM2	-	-	-		-	-	-
TM3	-	-	-	N132-F182	-	N134-W268	A137-N314
TM4	-	-	-	-	-	-	-
TM5	-	-	-	-	-	-	-
TM6	-	-	-	-	-	-	-

250 ns	TM1	TM2	TM3	TM4	TM5	TM6	TM7
TM1	-	-	-	-	-	-	-
TM2	-	-	-	-	-	-	W109-S302
ТМ3	-	-	-	N132- F182, D186	N132-Q219	N134-W268	A137-N314
TM4	-	-	-	-	-	-	-
TM5	-	-	-	-	-	Q219-Y271	-
TM6	-	-	-	-	-	-	-

0 ns		25 ns		50 ns		75 ns			100 ns		L25 ns	150 ns		1	75 ns		200 ns	225 ns		250	ns
R	Α	R	А	R	А	R	Α	R	А	R	А	R	А	R	А	R	А	R	Α	R	Α
R25 0	D337	R250	D337	R342	D25	A84	H195	R342	E27	S364	K209	R353	D19	R149	D193	T83	E32	R149	D193	A84	R31
R14 9	D193	E327	R31	R82	T190	R353	D19	Y365	L353,W258	Y365	L353	T157	К192	R353	D19	R82	E24	R342	E27	T83	R31
L79	E24, R23	W330	E24	T88	D193	R342	D25	Q341	D25	R353	D19	R149	D193	L159	Q333	S80	R25	R161	H56	D89	R31
R34 2	R23, D25	R342	D25	Y365	G352, W258	R352	C2	R335	D25	T83	H195	R342	E27	Q158	Q333	W330	R23	W330	R23	R249	D341
W3 30	E37	S87	D193	R162	Q333	W330	E24	R353	D19	R342	D25, E27	S366	F354	R161	Q51, T329	R353	D19	R82	E24	R82	E24
R35 3	D19	T88	D193	E327	R31	S87	D193	R162	Q333	Y160	Q333	W330	R23	W330	R23	R342	E27	L159	Q333	W330	R23
Y26 5	Q217	Y365	W258, L353	C338	K28	Y365	G217, W258	Y160	Q333	R161	Q51, Q333	R161	154	R82	E24	T157	D337	T83	R31	R149	D193
R24 9	D341	R161	H56	R353	D19			A84	T190	R149	D193	Y365	G217, W258, L353	R342	E27	R161	Q51, K53, T329	D89	R31	Y365	L353
		R353	D19	R335	R23			S87	D193	S366	W258	E327	R31	S366	F354	R149	D193	A84	W258	R342	E27
								E327	R31					Y365	G217	Y365	G217, W258	Y365		Q158	K330
																				L159	Q333

Table S15. Polar interactions between CXCR3_alpha subunit 250 ns AA-MD.