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CRC1	.METPNNTEDYDVT.	.TEFDYGDATP.
CCR2	.MLSTSRSR FIRNTE	.SGEVERTTDFDYGAP.
CCR3	.MTSLSTDVETFEGTT	.SYVD, VGLL.
CCR4	.MNPTDIADTLLDESI.	.YSN . YYLYESIPKP.
CCRS	.MDYQVSSPIYDIN.	.YTSTEP.
CCR6	.MGSEMFNSFDVFDS.	.EDYFVSNTSYYSSVDESM
CCR7	MDLGKPMKSVLVALLVIFQVCLCQDE.	SL . VTDYJGNTDTVDYLFLS
CCRS	.MDYDNLDSVTFD.	.YYPPVDP.
CCR9	.MTPDFTPSIPE.	.DA
CCR10	.MATEBOWSG.	.GSSTTSMSEWNPYDTRP.
CXCR1	.MSNNITCPOMWDFF.	.FH GEGDEDDA5AEPLPEL
CXCR2	.MEDFNMSDSEDFWKG.	.DLM. . FTGMPADEDDYSP
CXCR3	.MVLYESDHQVNLADEVA	.DLNSYNSYSTLPFLPFLDDA
CXCR4	.MEGISYLTSDNYTE.	.EP
CXCR5	.MNYPLTLEMDLN.	.SDGYDSMKP.
CXCR6	.MAEH.	.FR
XCRS	MESSAGE.	.H
XCDCR1	.MOPFBPSVTH.	.ESTTFYYDLSQSP.
ACKRN	.MGNCLHRAELSPSTANASOLDFDWVN	.CE
ACKR2	.MAATASPOLATEDA.	.SSVGNVSDPTEYDGANL
ACKR3	.MDLHFIDYSGEWNFS.	.AP
ACKR4	.MALEON . QSTDY.	.DSNCSSFYYYDLEVAFLN
ACKR5	.MANITYLAPEDEYDVII.	.RK
ACKRS		.DISPCNCNSCDIVDTVMN
		.YEEENI . MNCTYDYSQYEI
		.IE . ELESDEAQO.

	3D	70	80
CCR1	VNERAFGAQ	Y R R L KNMTS	IYLLNLNAIS
CCR2	FDVKQIGAQ	C R K C CLTD	IYLLNLNAIS
CCR3	ADTRALMAQ	Y R RLRIMTN	IYLLNLNAIS
CCR4	EGIKAFGEL	.	DLLFL
CCRS	INVKQIAAR	.	FV
CCR6	QEVRQFSRL	.	FL
CCR7	KDVRNFKAW	.	FV
CCRS	ELIQTNGKL	.	FL
CCR9	NNVRQFASH	.	FV
CCR10	ADYQASRSA	A.	FL
CCR11	ADYQASRSA	A.	LA
CXCR1	ESLELINKY	.	FA
CXCR2	ESLELINKY	.	FA
CXCR3	DESLSNFDR	.	LA
CXCR4	EENANFNKI	.	LV
CXCR5	PLMASFKAV	R.	V
CXCR6	QDFLQFSKV	.	FV
XCR1	NQANVFTL	.	FA
CX3CR1	GDIVVFGTV	.	FV
ACKR1	CHSNCLLD	PL	FS
ACKR2	DAVVSFGKV	.	FL
ACKR3	MPNKSVLLYTLSFIY	A N T G D T H C YIYLNLAIS	D L WVV
ACKR4	EDVREFAKV	Y K K Q R T K I D	VYLLNLAVAD L LL
ACKR5	YDAQLSAQ LMP	S C I C S A VF V I G V L D N L V V L I V W K	Y G K L R V E N IY L LN L VS N CF L

CCR1 QALKLNUFSLVPLLLVMTCIYGTIIKILRERPENEK. SKAVRLRIWIMIIFPWFIDPYNL
CCR2 HTIMR LRCRNC KHRRAVRIWITIMIVLWIDPYNI
CCR3 HTLURM LL M ICYTGIIKTLRERPSK YKAIKRLIIVFIMAVLWIDPYNV
CCR4 KMFVAVVLFGLWIDPYN
CCRS :;
CCR6 MGLCIELLFICGFPIPLMFMIFCYTFIVKTLVQAOONS HKAI LVLFL CJI-HNM
CCR7 IQLQVAN ICGL VII TLLQARNF NKAII VVII FIOI-YN
CCR8 TNFKMMILGLL RQCNH TKAI IASLLFLWV FNV
CCR9 VLTVKILLIGFF QAKKS HKAL TVFLVLSOF YNC
CCR10 SAVAQV LG A AA,RG AAF RQL YSL
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Figure S1. Sequence alignment of human chemokine receptors reveals conserved structural motifs and selectivity-determining regions. This figure presents a multiple sequence alignment of human CCR, CXCR, XCR, CX3CR, and ACKR family members. Conserved GPCR motifs—such as DRY, CWxP, and NPxxY—are retained across transmembrane domains, indicating their essential roles in signaling. In contrast, notable sequence divergence is observed in the N-terminal and ECL2 regions, which likely contribute to ligand specificity and offer potential targets for selective drug design.