

a)

<sentence id="AIMed.d45.s392" seqId="s392" text="Isothermal titration calorimetry shows that IFN-gamma SC1 forms a 1:1 complex with its high-affinity receptor (IFN-gamma R alpha) with an affinity of 27(+/- 9) nM.">

<entity charOffset="44-52" id="AIMed.d45.s392.e0" seqId="e947" text="IFN-gamma" type="protein" />
<entity charOffset="44-56" id="AIMed.d45.s392.e1" seqId="e948" text="IFN-gamma SC1" type="protein" />
<entity charOffset="111-119" id="AIMed.d45.s392.e2" seqId="e950" text="IFN-gamma" type="protein" />
<entity charOffset="111-127" id="AIMed.d45.s392.e3" seqId="e951" text="IFN-gamma R alpha" type="protein" />
<pair e1="AIMed.d45.s392.e0" e2="AIMed.d45.s392.e1" id="AIMed.d45.s392.p0" interaction="False" />
<pair e1="AIMed.d45.s392.e0" e2="AIMed.d45.s392.e2" id="AIMed.d45.s392.p1" interaction="False" />
<pair e1="AIMed.d45.s392.e0" e2="AIMed.d45.s392.e3" id="AIMed.d45.s392.p2" interaction="False" />
<pair e1="AIMed.d45.s392.e1" e2="AIMed.d45.s392.e2" id="AIMed.d45.s392.p3" interaction="False" />
<pair e1="AIMed.d45.s392.e1" e2="AIMed.d45.s392.e3" id="AIMed.d45.s392.p4" interaction="True" />
<pair e1="AIMed.d45.s392.e2" e2="AIMed.d45.s392.e3" id="AIMed.d45.s392.p5" interaction="False" />

b)

<sentence id="AIMed.d29.s244" seqId="s244" text="This work shows that single and double Ala substitutions of His18 and Phe21 in IL-8 reduced up to 77-fold the binding affinity to IL-8 receptor subtypes A (CXCR1) and B (CXCR2) and to the Duffy antigen.">

<entity charOffset="79-82" id="AIMed.d29.s244.e0" seqId="e363" text="IL-8" type="protein" />
<entity charOffset="130-133" id="AIMed.d29.s244.e1" seqId="e364" text="IL-8" type="protein" />
<entity charOffset="130-153" id="AIMed.d29.s244.e2" seqId="e368" text="IL-8 receptor subtypes A" type="protein" />
<entity charOffset="156-160" id="AIMed.d29.s244.e3" seqId="e369" text="CXCR1" type="protein" />
<entity charOffset="170-174" id="AIMed.d29.s244.e4" seqId="e371" text="CXCR2" type="protein" />
<entity charOffset="188-200" id="AIMed.d29.s244.e5" seqId="e373" text="Duffy antigen" type="protein" />
<pair e1="AIMed.d29.s244.e0" e2="AIMed.d29.s244.e1" id="AIMed.d29.s244.p0" interaction="False" />
<pair e1="AIMed.d29.s244.e0" e2="AIMed.d29.s244.e2" id="AIMed.d29.s244.p1" interaction="False" />
<pair e1="AIMed.d29.s244.e0" e2="AIMed.d29.s244.e3" id="AIMed.d29.s244.p2" interaction="False" />
<pair e1="AIMed.d29.s244.e0" e2="AIMed.d29.s244.e4" id="AIMed.d29.s244.p3" interaction="False" />
<pair e1="AIMed.d29.s244.e0" e2="AIMed.d29.s244.e5" id="AIMed.d29.s244.p4" interaction="False" />
<pair e1="AIMed.d29.s244.e1" e2="AIMed.d29.s244.e2" id="AIMed.d29.s244.p5" interaction="False" />
<pair e1="AIMed.d29.s244.e1" e2="AIMed.d29.s244.e3" id="AIMed.d29.s244.p6" interaction="True" />
<pair e1="AIMed.d29.s244.e1" e2="AIMed.d29.s244.e4" id="AIMed.d29.s244.p7" interaction="True" />
<pair e1="AIMed.d29.s244.e1" e2="AIMed.d29.s244.e5" id="AIMed.d29.s244.p8" interaction="True" />
<pair e1="AIMed.d29.s244.e2" e2="AIMed.d29.s244.e3" id="AIMed.d29.s244.p9" interaction="False" />
<pair e1="AIMed.d29.s244.e2" e2="AIMed.d29.s244.e4" id="AIMed.d29.s244.p10" interaction="False" />
<pair e1="AIMed.d29.s244.e2" e2="AIMed.d29.s244.e5" id="AIMed.d29.s244.p11" interaction="False" />
<pair e1="AIMed.d29.s244.e3" e2="AIMed.d29.s244.e4" id="AIMed.d29.s244.p12" interaction="False" />
<pair e1="AIMed.d29.s244.e3" e2="AIMed.d29.s244.e5" id="AIMed.d29.s244.p13" interaction="False" />
<pair e1="AIMed.d29.s244.e4" e2="AIMed.d29.s244.e5" id="AIMed.d29.s244.p14" interaction="False" />