Supplementary Table 1. Summary of CB1R agonist-bound (5XRA) and antagonist-bound (5TGZ) amino acid residues interacting with cannabinoid ligands in AutoDock.

HELIX	CP55,940		2-AG		THC		CBD		CBD-DMH		SR141716A		Org27569	
	5XRA	5TGZ	5XRA	5TGZ	5XRA	5TGZ	5XRA	5TGZ	5XRA	5TGZ	5XRA	5TGZ	5XRA	5TGZ
I		M*N*t^{103}		M*N*t^{103}		M*N*t^{103}						M*N*t^{103}		
											C*N*t^{107}			
								M*N*t^{109}						
								Q1.31^{115}						Q1.31^{115}
								Q1.32^{116}				Q1.32^{116}		Q1.32^{116}
								I1.35^{119}						
II	F2.57^{170}	F2.57^{170}	F2.57^{170}		F2.57^{170}		F2.57^{170}			F2.57^{170}	F2.57^{170}	F2.57^{170}	F2.57^{170}	
	S2.60^{173}		S2.60^{173}											
					F2.61^{174}						F2.61^{174}	F2.61^{174}	F2.61^{174}	F2.61^{174}
	F2.64^{177}		F2.64^{177}		F2.64^{177}		F2.64^{177}		F2.64^{177}		F2.64^{177}		F2.64^{177}	
								H2.65^{178}						H2.65^{178}
III	L3.29^{193}		L3.29^{193}		L3.29^{193}				L3.29^{193}	L3.29^{193}	L3.29^{193}		L3.29^{193}	
		T3.33^{197}	T3.33^{197}	T3.33^{197}	T3.33^{197}	T3.33^{197}				T3.33^{197}				
IV	F4.77^{268}			F4.77^{268}		F4.77^{268}	F4.77^{268}				F4.77^{268}			
V	W5.43^{279}		W5.43^{279}		W5.43^{279}				W5.43^{279}		W5.43^{279}		W5.43^{279}	
VI			L6.51^{359}				L6.51^{359}		L6.51^{359}		L6.51^{359}			
		M6.55^{363}		M6.55^{363}		M6.55^{363}				M6.55^{363}				
VII	F7.34^{379}		F7.34^{379}		F7.34^{379}		F7.34^{379}		F7.34^{379}		F7.34^{379}	A7.36^{380}		A7.36^{380}
	S7.39^{383}	S7.39^{383}	S7.39^{383}	S7.39^{383}	S7.39^{383}	S7.39^{383}				S7.39^{383}	S7.39^{383}			

Supplementary Table 2. Summary of modeled CB2R agonist-bound (5XRA) and antagonist-bound (5TGZ) amino acid residues interacting with cannabinoid ligands in AutoDock.

HELIX	CP55,940		2-AG		THC		CBD		CBD-DMH		SR144528	
	5XRA	5TGZ	5XRA	5TGZ	5XRA	5TGZ	5XRA	5TGZ	5XRA	5TGZ	5XRA	5TGZ
I		S*N*t^{19}						S*N*t^{19}				S*N*t^{19}
							K*N*t^{23}	K*N*t^{23}				
										V1.35^{36}		
										C1.39^{40}		
II	F2.57^{87}		F2.57^{87}	F2.57^{87}	F2.57^{87}	F2.57^{87}						
	S2.60^{90}				S2.60^{90}				S2.60^{90}		S2.60^{90}	
	F2.61^{91}						F2.61^{91}		F2.61^{91}			
							L*ECL2*^{182}	L*ECL2*^{182}				
			F*ECL2*^{183}		F*ECL2*^{183}		F*ECL2*^{183}	F*ECL2*^{183}			F*ECL2*^{183}	
III	K3.28^{109}											
	T3.33^{114}	T3.33^{114}	T3.33^{114}	T3.33^{114}	T3.33^{114}	T3.33^{114}		T3.33^{114}	T3.33^{114}		T3.33^{114}	T3.33^{114}
IV												
V		W5.43^{194}		W5.43^{194}		W5.43^{194}						W5.43^{194}
VI		W6.48^{258}		W6.48^{258}		W6.48^{258}						W6.48^{258}
VII			K7.31^{278}						K7.31^{278}		K7.31^{278}	
			A7.36^{282}		A7.36^{282}		A7.36^{282}		A7.36^{282}	A7.36^{282}	A7.36^{282}	
										A7.39^{285}		
										M7.39^{286}		
		L7.43^{289}		L7.43^{289}		L7.43^{289}						L7.43^{289}