

Surface Residues Identified in Xie (EX1008) in Figure 2

Label	AAVrh10	AAV2 corresponding position	Xie numbering (-137)	Fig. 2 Triangle ¹
1	GLY 459	THR 456	THR (T) 319	Red
2	GLN 462	ARG 459	ARG (R) 322	Green
3	ASN 472	ASP 469	ASP (D) 332	Red
4	SER 474	ARG 471	ARG (R) 334	Cyan
5	LEU 495	SER 492	SER (S) 355	Cyan
6	SER 496	ALA 493	ALA (A) 356	Red
7	GLY 551	GLU 548	GLU (E) 411	Blue
8	LYS 552	LYS 549	LYS (K) 412	Cyan
9	SER 559	LYS 556	LYS (K) 419	Green
10	ALA 591	ARG 588	ARG (R) 451	Blue
11	VAL 595	THR 592	THR (T) 455	Red
12	ALA 597	ASP 594	ASP (D) 457	Cyan
13	SER 665	SER 662	SER (S) 525	Red
14	ALA 667	ALA 664	ALA (A) 527	Cyan
15	ALA 670	ALA 667	ALA (A) 530	Cyan
16	ASN 712	ASN 709	ASN (N) 572	Red
17	ASP 720	ASN 717	ASN (N) 580	Green
18	THR 722	VAL 719	VAL (V) 582	Cyan

¹ “Side chain (outer) surface accessibility was calculated with a 1.5 Å radius probe, and is shown with triangles shaded according to each residue’s accessibility: 20 Å² < red 50 Å² < cyan 80 Å² < green 100 Å² < blue.” EX1008, 3, Fig.2.

Surface Residues Identified in Xie (EX1008) in Figure 4

Label	AAVrh10	AAV2 corresponding position	Xie numbering (-137)	Fig. 4 Color ²
1	GLY 459	THR 456	THR (T) 319	Red
2	GLN 462	ARG 459	ARG (R) 322	Yellow
3	ASN 472	ASP 469	ASP (D) 332	Green
4	SER 474	ARG 471	ARG (R) 334	Green
5	LEU 495	SER 492	SER (S) 355	Yellow
6	SER 496	ALA 493	ALA (A) 356	Orange
7	GLY 551	GLU 548	GLU (E) 411	Green
8	LYS 552	LYS 549	LYS (K) 412	Green
9	SER 559	LYS 556	LYS (K) 419	Green
10	ALA 591	ARG 588	ARG (R) 451	Yellow
11	VAL 595	THR 592	THR (T) 455	Green
12	ALA 597	ASP 594	ASP (D) 457	Green
13	SER 665	SER 662	SER (S) 525	Blue
14	ALA 667	ALA 664	ALA (A) 527	Blue
15	ALA 670	ALA 667	ALA (A) 530	Blue
16	ASN 712	ASN 709	ASN (N) 572	Green
17	ASP 720	ASN 717	ASN (N) 580	Green
18	THR 722	VAL 719	VAL (V) 582	Blue

² EX1008, 4 (Fig. 4):

