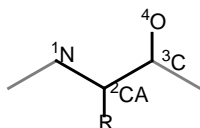


**backbone**

<u>Name</u>	<u>Side Chain</u>	<u>Name</u>	<u>Side Chain</u>
Alanine	— 5CB	Leucine	
Arginine	— 5CB — 6CG — 7CD — 8NE — 9CZ — 10NH1 — 11NH2	Lysine	— 5CB — 6CG — 7CD — 8CE — 9NZ
Asparagine	— 5CB — 6CG — 7OD1(AD1) — 8ND2(AD2)	Methionine	— 5CB — 6CG — 7SD — 8CE
Aspartic Acid	— 5CB — 6CG — 7OD1 — 8OD2	Phenylalanine	
Cysteine/ Cystine	— 5CB — 6SG	Proline	
Glutamic Acid	— 5CB — 6CG — 7CD — 8OE1 — 9OE2	Serine	— 5CB — 6OG
Glutamine	— 5CB — 6CG — 7CD — 8OE1(AE1) — 9NE2(AE2)	Threonine	
Glycine	— null	Tryptophan	
Histidine	— 5CB — 6CG — 7ND1(AD1) — 8CD2(AD2) — 9CE1(AE1) — 10NE2(AE2)	Tyrosine	
Hydroxyproline		Valine	
Isoleucine			

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