

Glutamine Rotamers

Major:

	#	%	chi1	range	chi2	range	chi3	range
mm-40	126	14.6%	-66	-95,-35	-60	-90,-30	-40	-90, 0
mt-30	304	35.2%	-67	-95,-35	177	-150,150	-25	-90, 90
tt0	140	16.2%	-174	-145,155	173	-150,150	-5	-90, 90
tp60	77	8.9%	-175	-150,150	64	35, 95	60	0, 90
pt20	37	4.3%	64	35, 95	180	-150,150	20	-90, 90
totals =	684	79.3%						

Minor:

	#	%	chi1	chi2	chi3
mm100	22	2.6%	-65	-65	100
mp0	25	2.9%	-60	85	0
tp-100	14	1.6%	180	65	-100
pm0	15	1.7%	75	-75	0
totals =	76	8.8%			