

## Asparagine Rotamers

### Backbone-independent:

	#	%	chi1	range	chi2	range
m-80	118	7.90%	-71	-100,-40	-76	-100,-60
m-20	582	39.00%	-71	-100,-40	-23	-60, 10
m120	58	3.90%	-64	-100,-40	132	60,160
t-20	179	12.00%	-174	-140,160	-20	-120, 0
t30	235	15.70%	-168	-140,160	31	0, 80
p-10	103	6.90%	63	30, 90	-13	-90, 0
p30	132	8.80%	64	30, 90	34	0, 90
<b>totals =</b>	<b>1407</b>	<b>87.10%</b>				

### Major, backbone-dependent:

	#	%	chi1	range	chi2	range
am-80	26	8.40%	-71	-105,-45	-81	-100,-60
am-20	204	65.80%	-72	-105,-45	-17	-60, 10
at60	40	12.90%	-175	-140,160	64	30, 80
<b>totals =</b>	<b>270</b>	<b>87.10%</b>				

bm-50	73	35.80%	-66	-95,-35	-49	-90, 0
bt10	77	37.70%	-179	-150,150	11	-90, 90
<b>totals =</b>	<b>150</b>	<b>73.50%</b>				

Lm-30	91	54.80%	-65	-100,-40	-30	-70, 10
Lt30	58	34.90%	-166	-130,170	32	0, 60
<b>totals =</b>	<b>149</b>	<b>89.80%</b>				

### Minor, backbone-dependent:

	#	%	chi1	range	chi2	range
am100	9	2.90%	-70	-----	120	
at-60	10	3.20%	-175	-----	-60	
<b>totals =</b>	<b>19</b>	<b>6.10%</b>				

bm100	7	3.40%	-65	-----	120	
bp60	17	8.30%	65	-----	60	
<b>totals =</b>	<b>24</b>	<b>11.80%</b>				