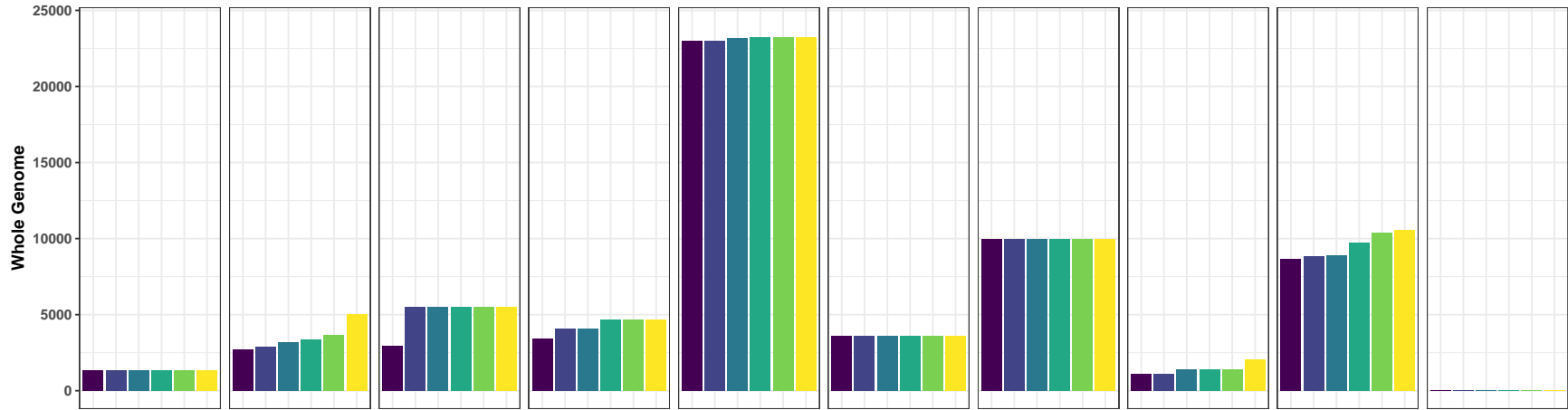


Executive Summary of Monthly Progress Reports: October 2017 Data

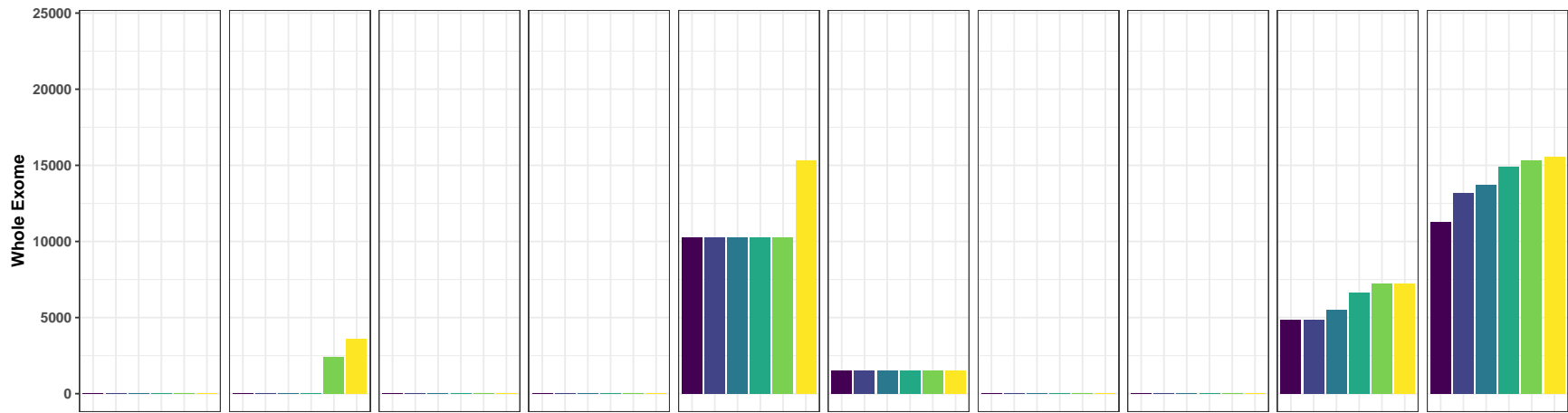
Reports submitted 11/3/2017. Summary prepared by Steve Buyske

Executive Summaries

Samples Received



Condition	Received	Goal
Asthma	1,338	1,186
IBD	5,021	6,739
Type 1 Diabetes	5,481	4,576
Early Onset AFib	4,697	6,250
Early Onset CAD	23,260	33,998
Stroke	3,626	3,728
CVD Shared Cntrls	9,939	10,586
Alzheimers	2,028	2,200
Autism	10,582	13,640
Epilepsy	0	0

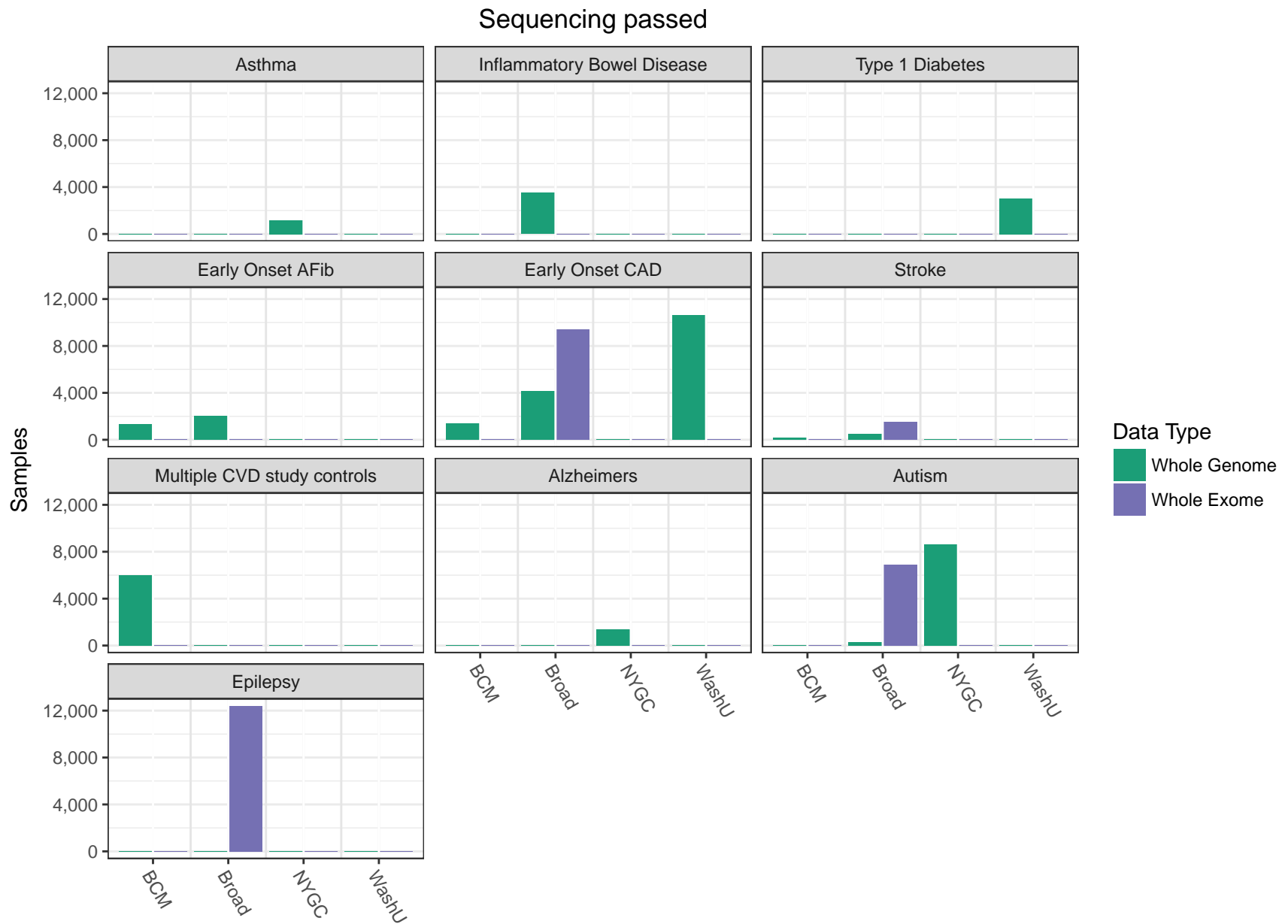


Condition	Received	Goal
Asthma	0	0
IBD	3,600	8,114
Type 1 Diabetes	0	0
Early Onset AFib	0	0
Early Onset CAD	15,320	29,812
Stroke	1,500	1,500
CVD Shared Cntrls	0	0
Alzheimers	0	0
Autism	7,229	9,469
Epilepsy	15,547	18,913

Month 2017-05 2017-06 2017-07 2017-08 2017-09 2017-10

Samples Passed Sequencing





Project	Genomes					Exomes				
	BCM	Broad	NYGC	WashU	Total	BCM	Broad	NYGC	WashU	Total
Asthma	0	0	1,172	0	1,172	0	0	0	0	0
IBD	0	3,489	0	0	3,489	0	0	0	0	0
Type 1 Diabetes	0	0	0	3,020	3,020	0	0	0	0	0
Early Onset AFib	1,307	1,991	0	0	3,298	0	0	0	0	0
Early Onset CAD	1,400	4,104	0	10,619	16,123	0	9,421	0	0	9,421
Stroke	187	500	0	0	687	0	1,500	0	0	1,500
CVD common controls	5,970	0	0	0	5,970	0	0	0	0	0
Alzheimers	0	0	1,400	0	1,400	0	0	0	0	0
Autism	0	265	8,644	0	8,909	0	6,871	0	0	6,871
Epilepsy	0	0	0	0	0	0	12,394	0	0	12,394
Total	8,864	10,349	11,216	13,639	44,068	0	30,186	0	0	30,186

Table 1: Sequencing passed

Project	Genomes					Exomes				
	BCM	Broad	NYGC	WashU	Total	BCM	Broad	NYGC	WashU	Total
Asthma	0	0	0	0	0	0	0	0	0	0
IBD	0	685	0	0	685	0	0	0	0	0
Type 1 Diabetes	0	0	0	116	116	0	0	0	0	0
Early Onset AFib	89	79	0	0	168	0	0	0	0	0
Early Onset CAD	0	0	0	1,273	1,273	0	60	0	0	60
Stroke	0	0	0	0	0	0	0	0	0	0
CVD common controls	57	0	0	0	57	0	0	0	0	0
Alzheimers	0	0	60	0	60	0	0	0	0	0
Autism	0	265	164	0	429	0	1,550	0	0	1,550
Epilepsy	0	0	0	0	0	0	1,532	0	0	1,532
Total	146	1,029	224	1,389	2,788	0	3,142	0	0	3,142

Table 2: Change from last month in sequencing passed

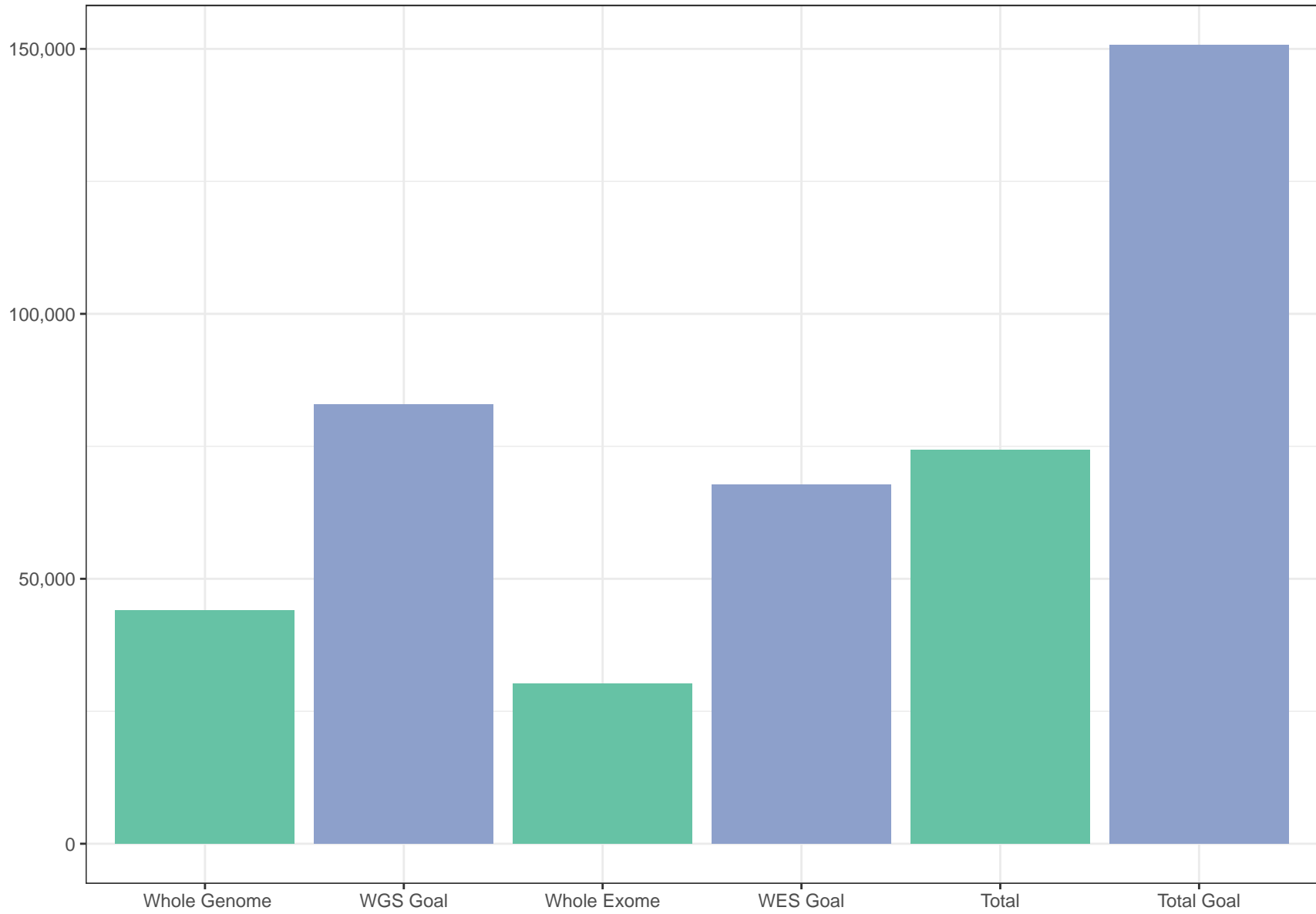
Project	Whole Genome	Whole Exome	WGS Goal	WES Goal	WGS Goal Pct	WES Goal Pct
Asthma	1,338	0	1,186	0	112.8%	
IBD/T1D	10,502	3,600	6,739	8,114	155.8%	44.4%
Early Onset AFib	4,697	0	6,250	0	75.2%	
Early Onset CAD	23,260	15,320	33,998	29,812	68.4%	51.4%
Stroke	3,626	1,500	3,728	1,500	97.3%	100.0%
CVD Shared Cntrls	9,939	0	10,586	0	93.9%	
Alzheimers	2,028	0	2,200	0	92.2%	
Autism	10,582	7,229	13,640	9,469	77.6%	76.3%
Epilepsy	0	15,547	0	18,913		82.2%

Table 3: By Project Samples Received and Goals

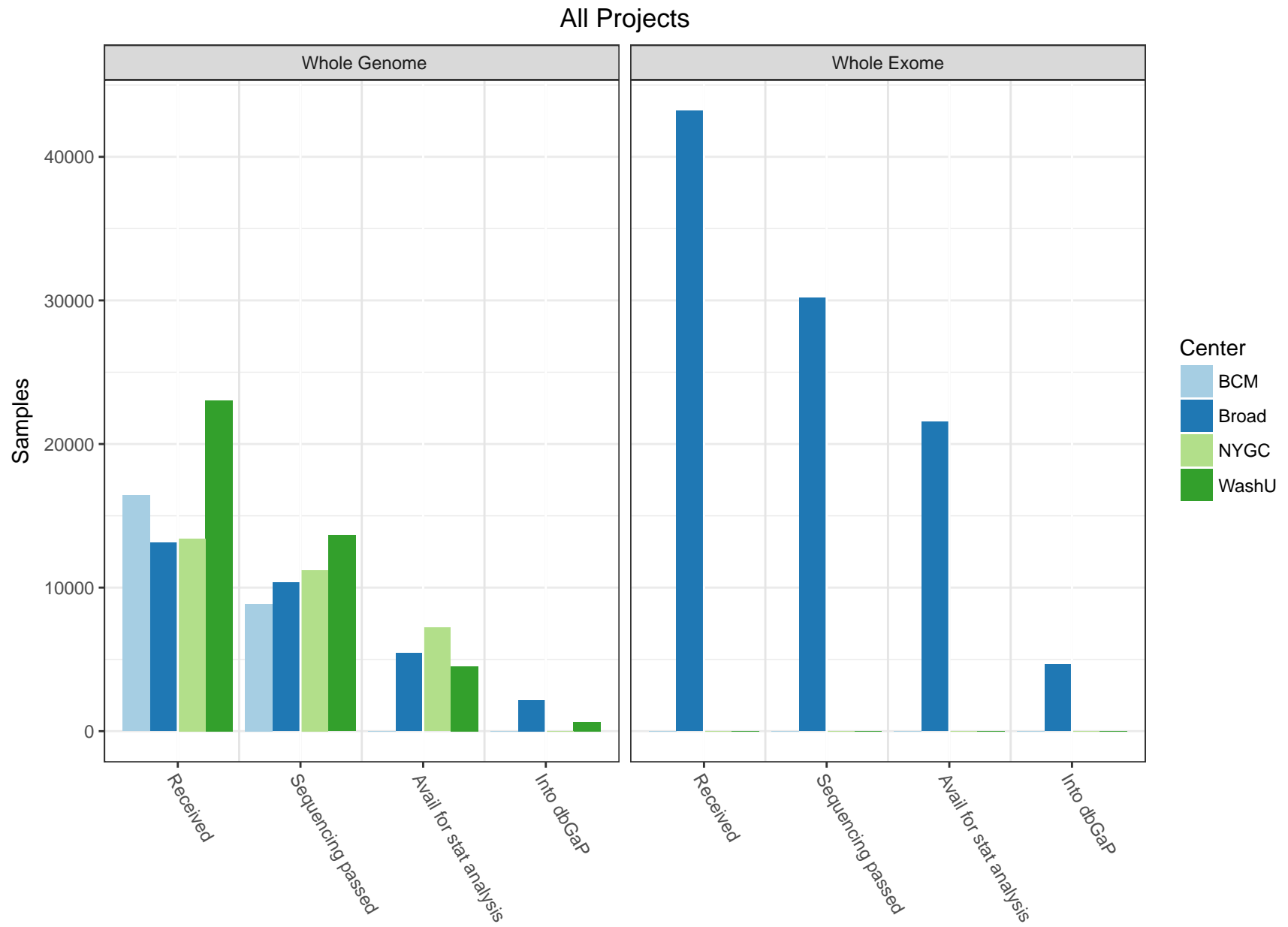
Project	Whole Genome	Whole Exome	WGS Goal	WES Goal	WGS Goal Pct	WES Goal Pct
Asthma	1,172	0	1,186	0	98.8%	
IBD/T1D	6,509	0	6,739	8,114	96.6%	0.0%
Early Onset AFib	3,298	0	6,250	0	52.8%	
Early Onset CAD	16,123	9,421	33,998	29,812	47.4%	31.6%
Stroke	687	1,500	3,728	1,500	18.4%	100.0%
CVD Shared Cntrls	5,970	0	10,586	0	56.4%	
Alzheimers	1,400	0	2,200	0	63.6%	
Autism	8,909	6,871	13,640	9,469	65.3%	72.6%
Epilepsy	0	12,394	0	18,913		65.5%

Table 4: By Project Samples Passed Sequencing and Goals

Program-Wide Total



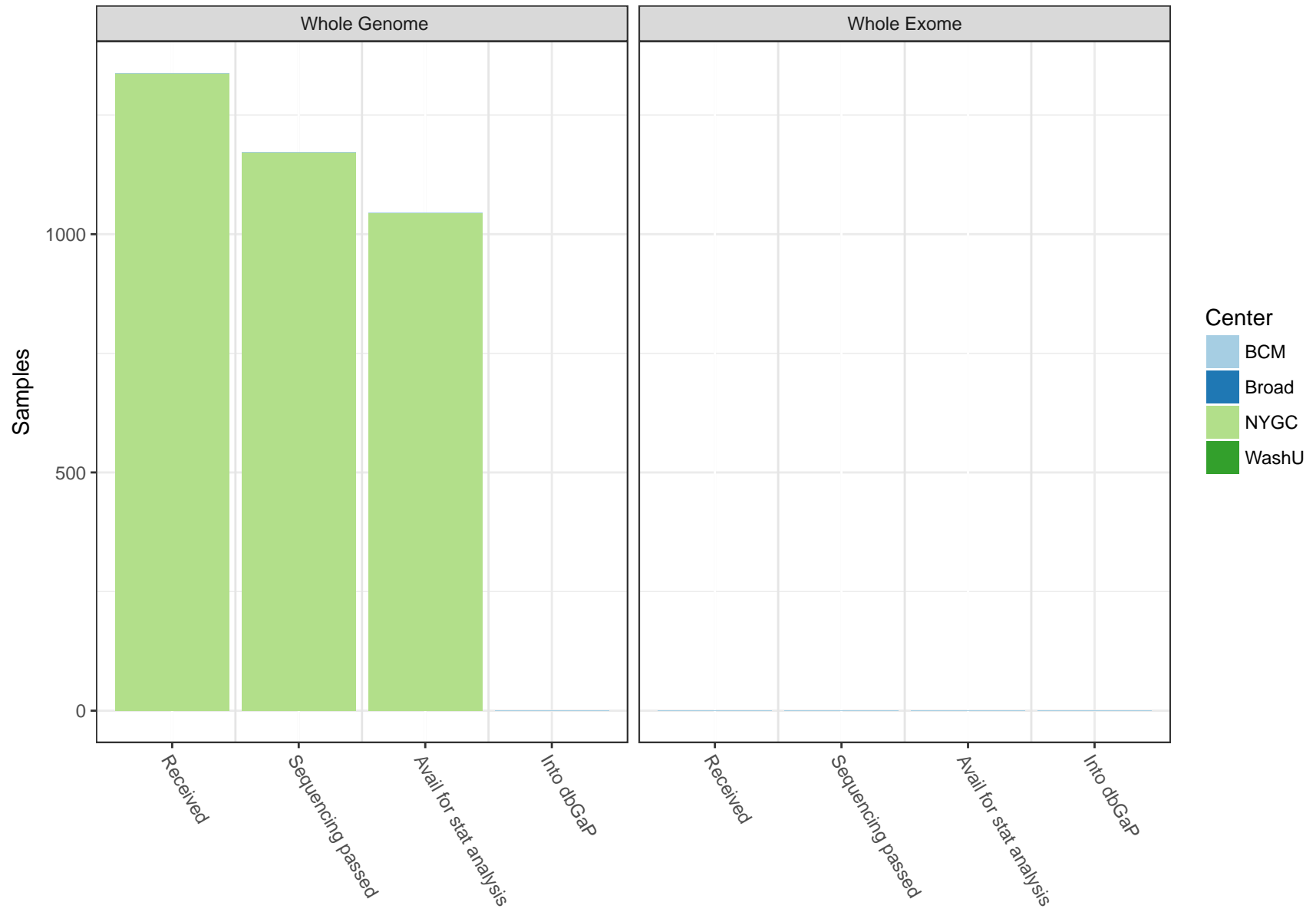
By Project



Status	Genomes				Exomes			
	BCM	Broad	NYGC	WashU	BCM	Broad	NYGC	WashU
Received	16,413	13,129	13,400	23,030	0	43,196	0	0
Sequencing passed	8,864	10,349	11,216	13,639	0	30,186	0	0
Avail for stat analysis	0	5,428	7,212	4,515	0	21,551	0	0
Into dbGaP	0	2,162	0	655	0	4,640	0	0

Table 5: All Projects

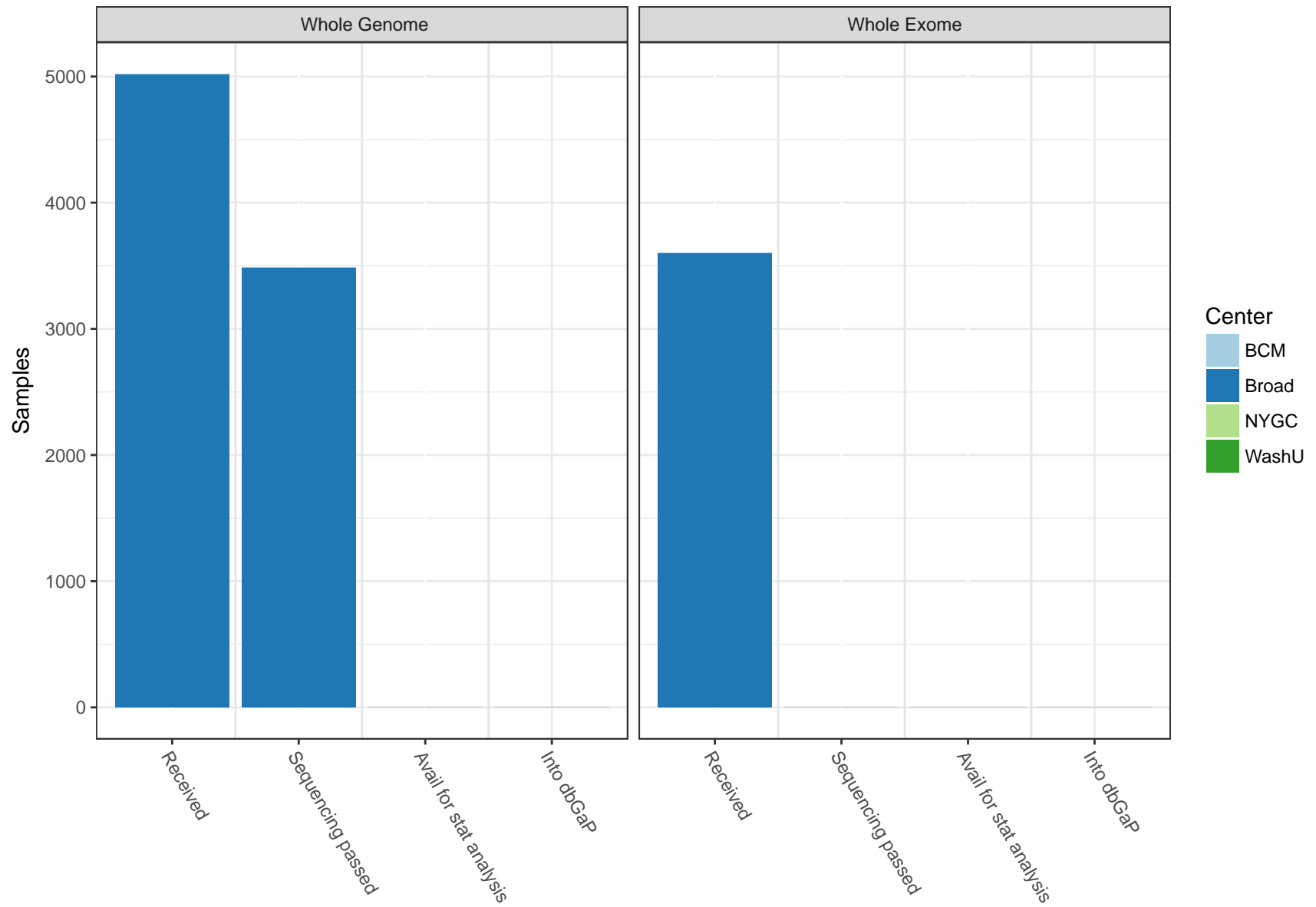
Autoimmune WG: Asthma



Status	Genomes					Exomes				
	BCM	Broad	NYGC	WashU	Total	BCM	Broad	NYGC	WashU	Total
Received	0	0	1,338	0	1,338	0	0	0	0	0
Sequencing passed	0	0	1,172	0	1,172	0	0	0	0	0
Avail for stat analysis	0	0	1,044	0	1,044	0	0	0	0	0
Into dbGaP	0	0	0	0	0	0	0	0	0	0
Goal	0	0	1,186	0	1,186	0	0	0	0	0

Table 6: Autoimmune WG: Asthma

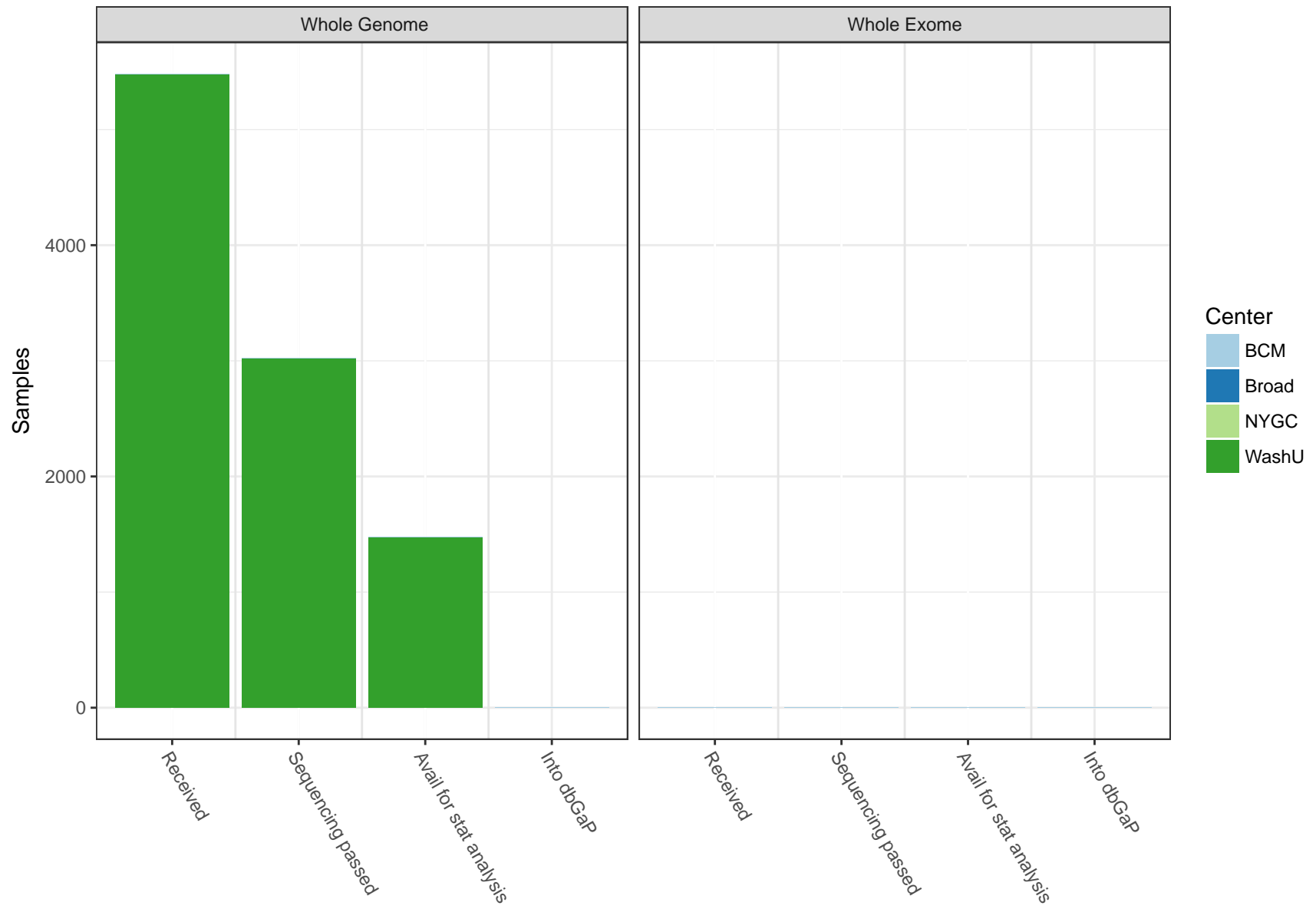
Autoimmune WG: Inflammatory Bowel Disease



Status	Genomes					Exomes				
	BCM	Broad	NYGC	WashU	Total	BCM	Broad	NYGC	WashU	Total
Received	0	5,021	0	0	5,021	0	3,600	0	0	3,600
Sequencing passed	0	3,489	0	0	3,489	0	0	0	0	0
Avail for stat analysis	0	0	0	0	0	0	0	0	0	0
Into dbGaP	0	0	0	0	0	0	0	0	0	0
Goal	0	6,739	0	0	6,739	0	8,114	0	0	8,114

Table 7: Autoimmune WG: Inflammatory Bowel Disease

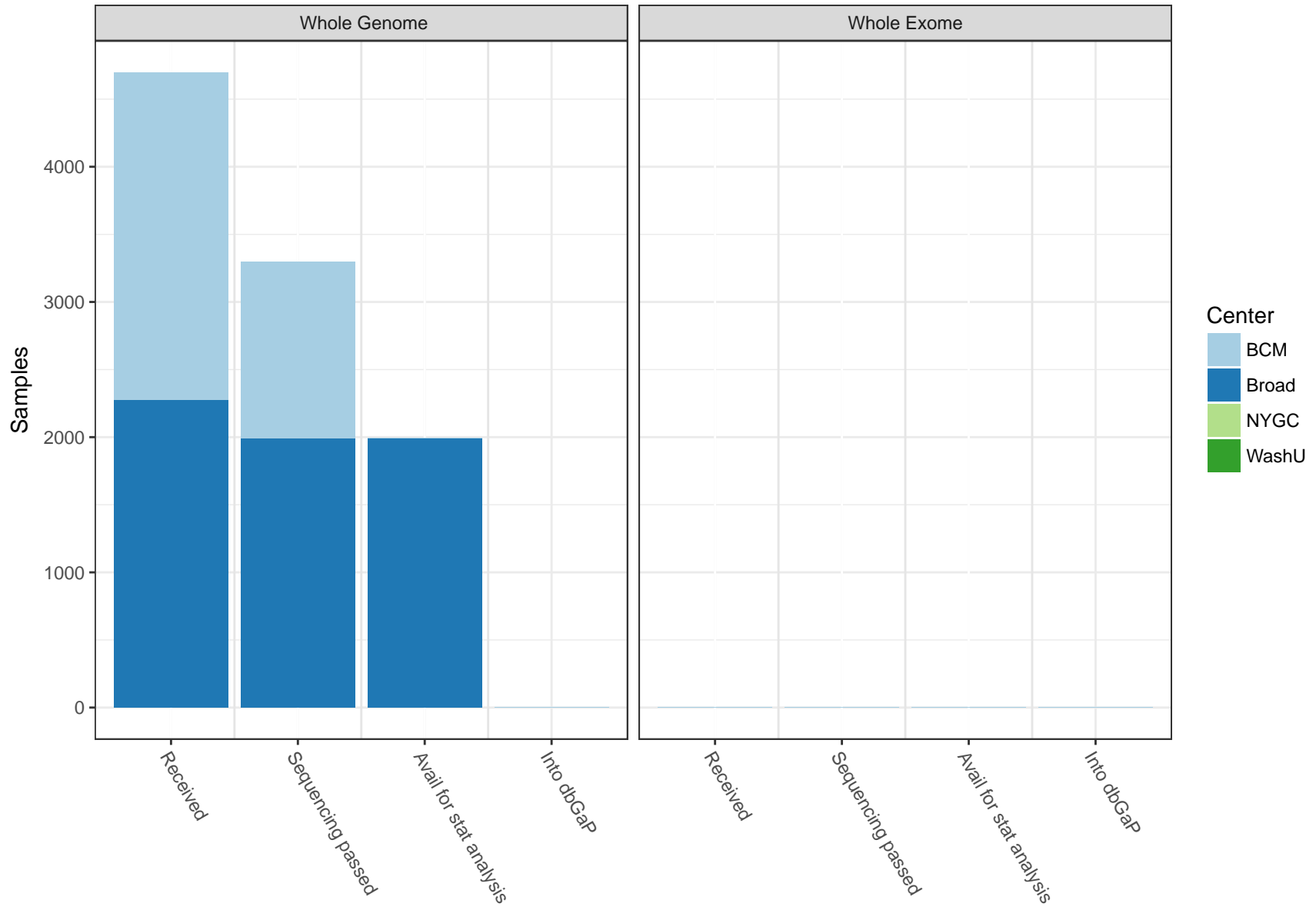
Autoimmune WG: Type 1 Diabetes



Status	Genomes					Exomes				
	BCM	Broad	NYGC	WashU	Total	BCM	Broad	NYGC	WashU	Total
Received	0	0	0	5,481	5,481	0	0	0	0	0
Sequencing passed	0	0	0	3,020	3,020	0	0	0	0	0
Avail for stat analysis	0	0	0	1,478	1,478	0	0	0	0	0
Into dbGaP	0	0	0	0	0	0	0	0	0	0
Goal	0	0	0	4,576	4,576	0	0	0	0	0

Table 8: Autoimmune WG: Type 1 Diabetes

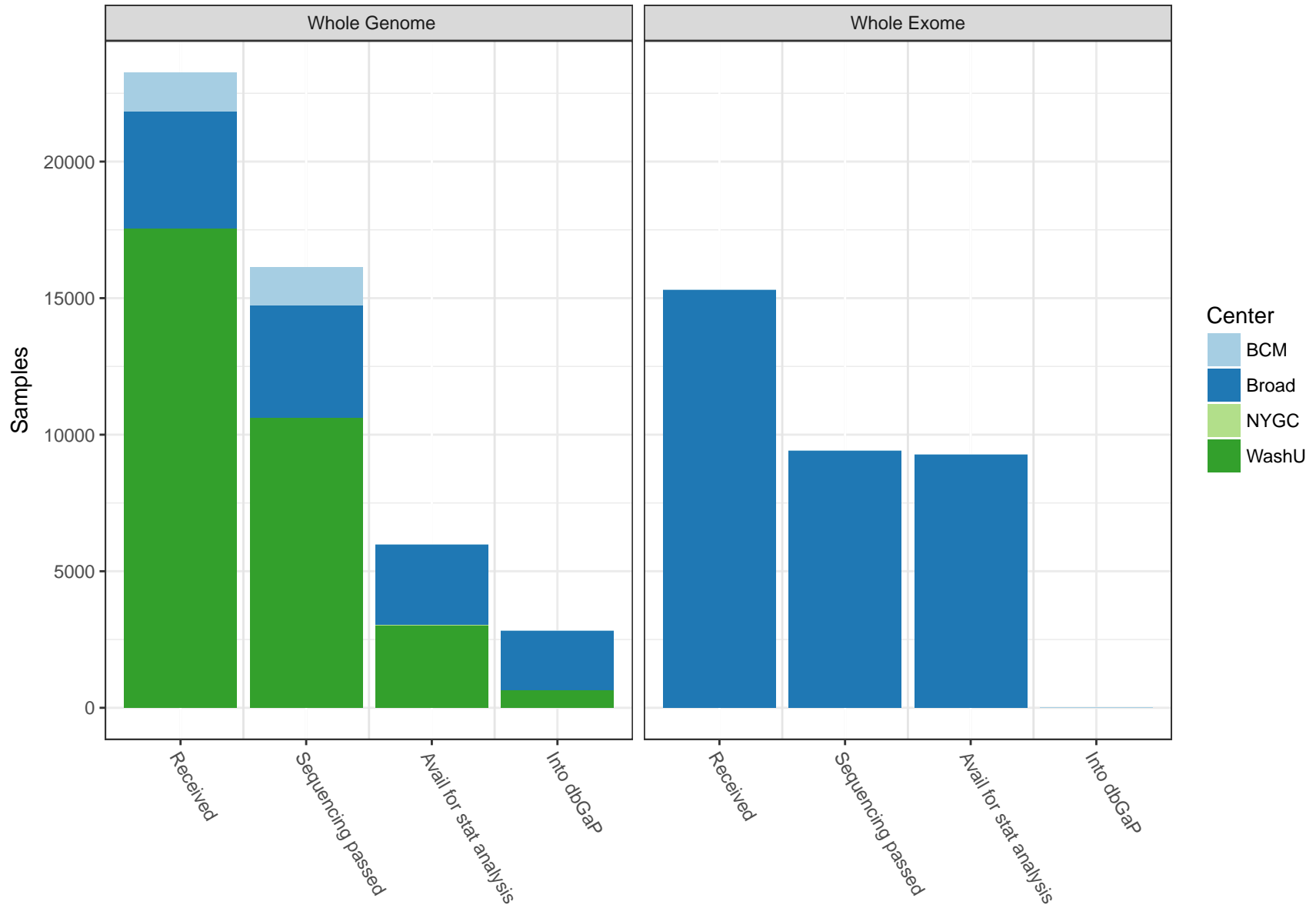
CVD WG: Early Onset AFib



Status	Genomes					Exomes				
	BCM	Broad	NYGC	WashU	Total	BCM	Broad	NYGC	WashU	Total
Received	2,423	2,274	0	0	4,697	0	0	0	0	0
Sequencing passed	1,307	1,991	0	0	3,298	0	0	0	0	0
Avail for stat analysis	0	1,991	0	0	1,991	0	0	0	0	0
Into dbGaP	0	0	0	0	0	0	0	0	0	0
Goal	1,850	2,000	0	2,400	6,250	0	0	0	0	0

Table 9: CVD WG: Early Onset AFib

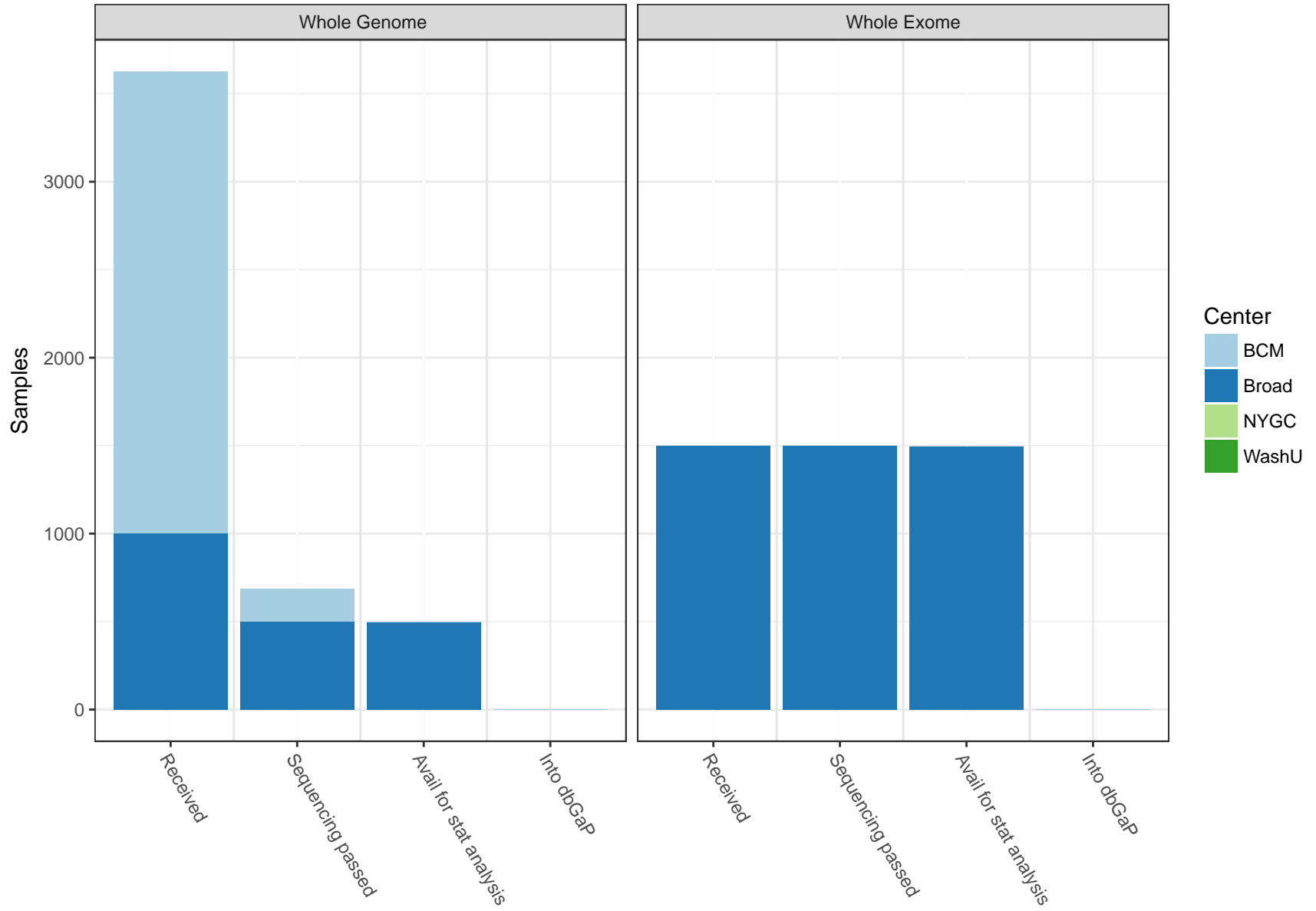
CVD WG: Early Onset CAD



Status	Genomes					Exomes				
	BCM	Broad	NYGC	WashU	Total	BCM	Broad	NYGC	WashU	Total
Received	1,425	4,286	0	17,549	23,260	0	15,320	0	0	15,320
Sequencing passed	1,400	4,104	0	10,619	16,123	0	9,421	0	0	9,421
Avail for stat analysis	0	2,940	0	3,037	5,977	0	9,275	0	0	9,275
Into dbGaP	0	2,162	0	655	2,817	0	0	0	0	0
Goal	3,524	5,474	0	25,000	33,998	0	29,812	0	0	29,812

Table 10: CVD WG: Early Onset CAD

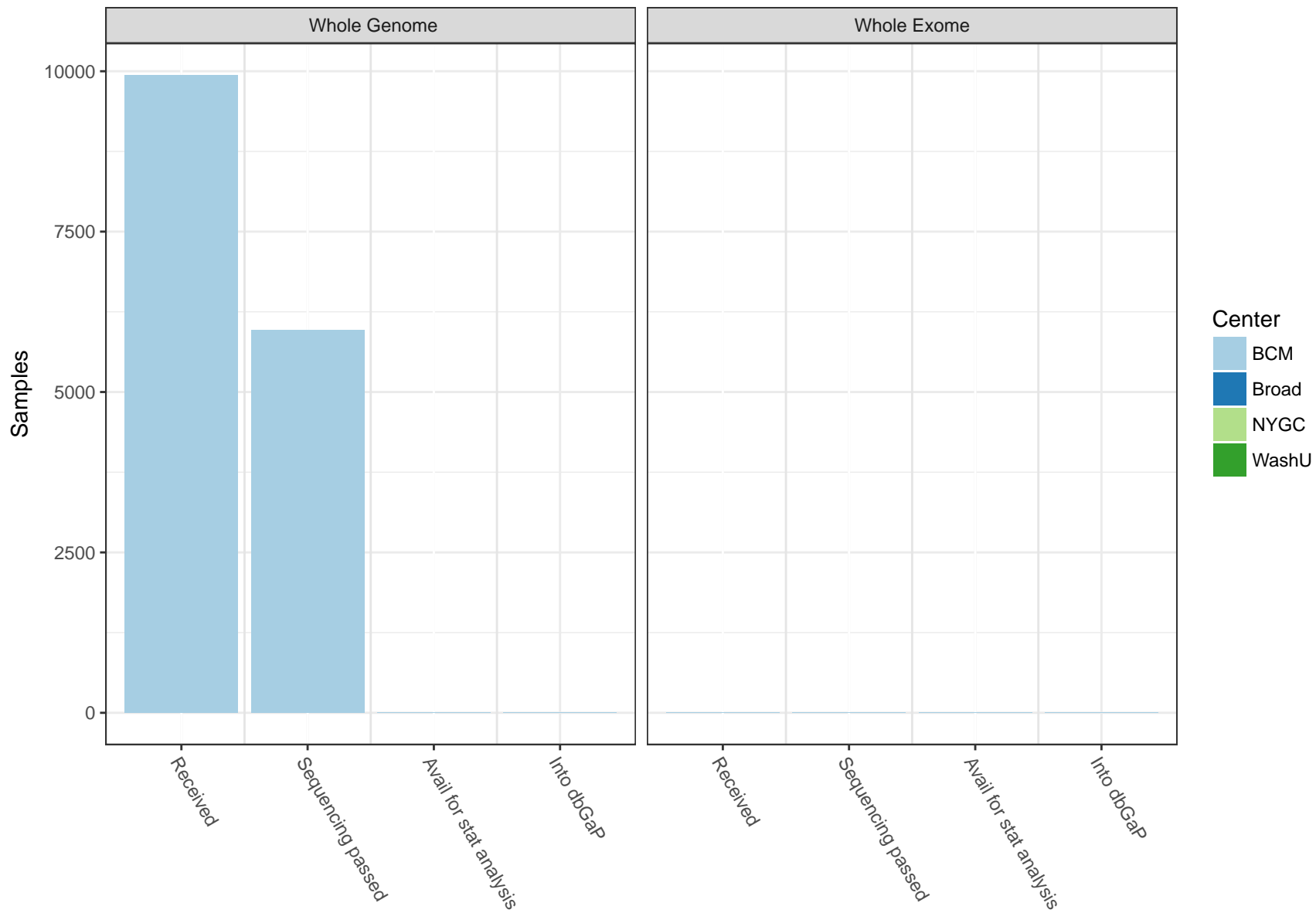
CVD WG: Stroke



Status	Genomes					Exomes				
	BCM	Broad	NYGC	WashU	Total	BCM	Broad	NYGC	WashU	Total
Received	2,626	1,000	0	0	3,626	0	1,500	0	0	1,500
Sequencing passed	187	500	0	0	687	0	1,500	0	0	1,500
Avail for stat analysis	0	497	0	0	497	0	1,496	0	0	1,496
Into dbGaP	0	0	0	0	0	0	0	0	0	0
Goal	3,228	500	0	0	3,728	0	1,500	0	0	1,500

Table 11: CVD WG: Stroke

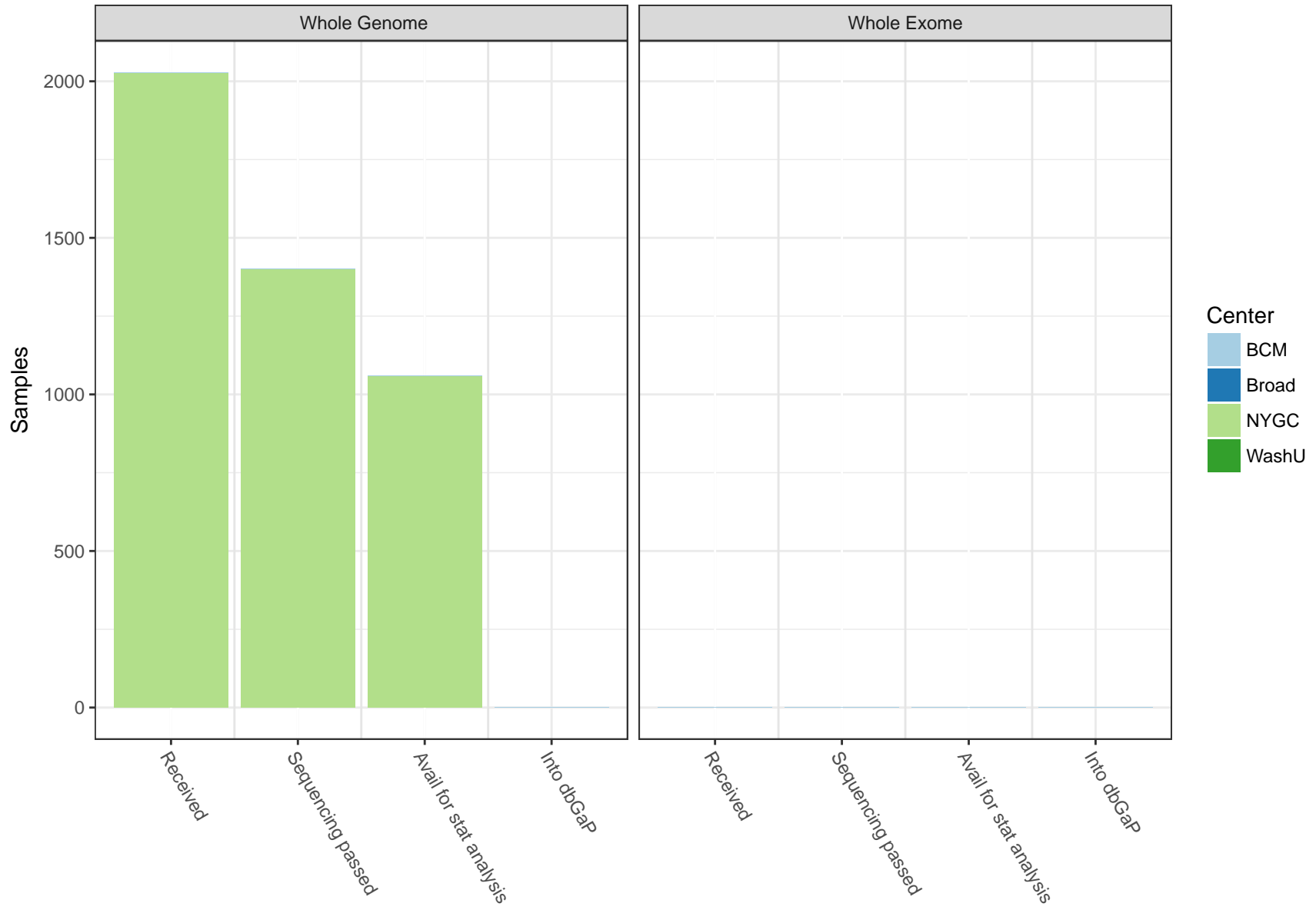
CVD WG: Multiple CVD study controls



Status	Genomes					Exomes				
	BCM	Broad	NYGC	WashU	Total	BCM	Broad	NYGC	WashU	Total
Received	9,939	0	0	0	9,939	0	0	0	0	0
Sequencing passed	5,970	0	0	0	5,970	0	0	0	0	0
Avail for stat analysis	0	0	0	0	0	0	0	0	0	0
Into dbGaP	0	0	0	0	0	0	0	0	0	0
Goal	10,586	0	0	0	10,586	0	0	0	0	0

Table 12: CVD WG: Multiple CVD study controls

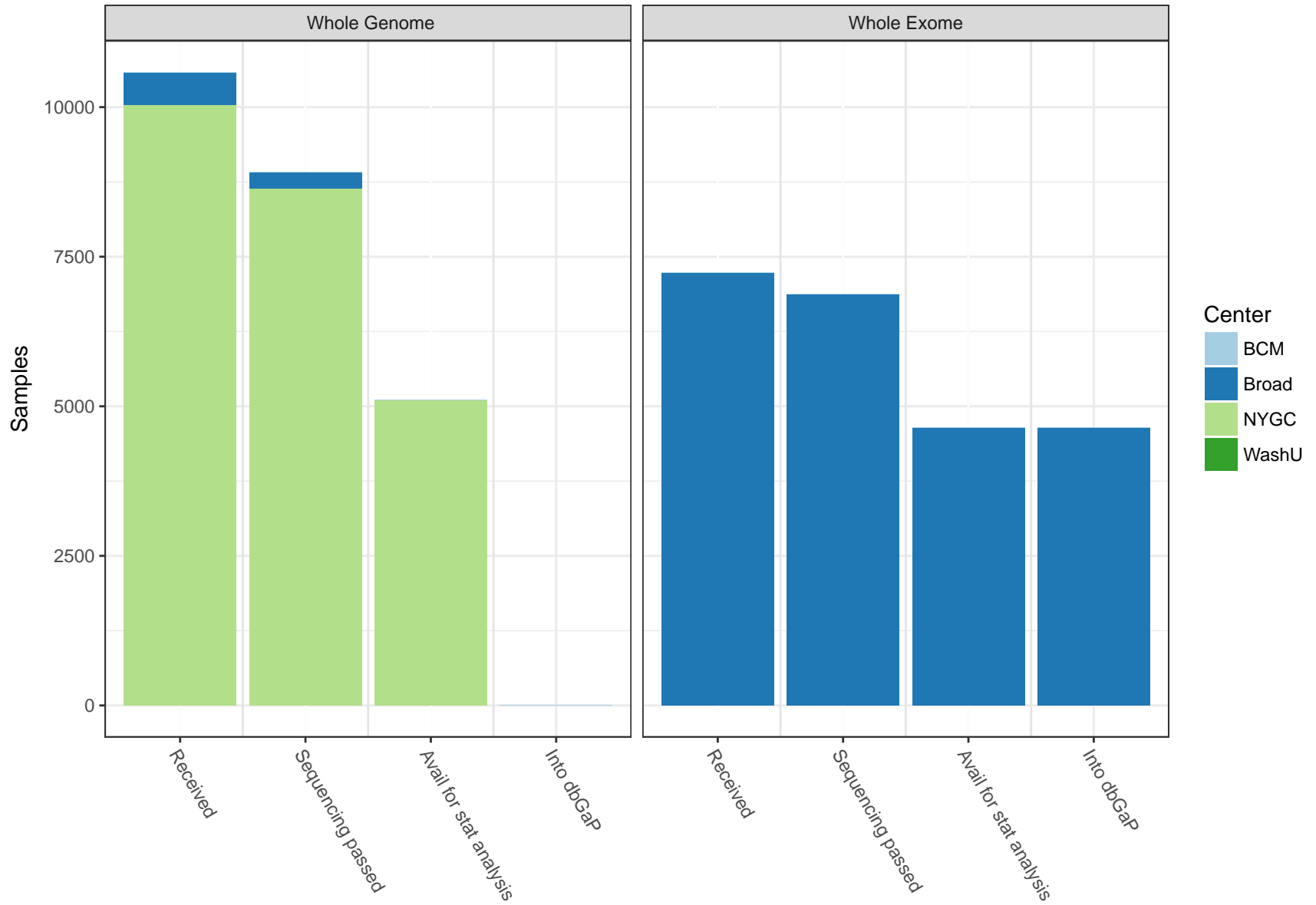
Neuropsychiatric WG: Alzheimers



Status	Genomes					Exomes				
	BCM	Broad	NYGC	WashU	Total	BCM	Broad	NYGC	WashU	Total
Received	0	0	2,028	0	2,028	0	0	0	0	0
Sequencing passed	0	0	1,400	0	1,400	0	0	0	0	0
Avail for stat analysis	0	0	1,060	0	1,060	0	0	0	0	0
Into dbGaP	0	0	0	0	0	0	0	0	0	0
Goal	0	0	2,200	0	2,200	0	0	0	0	0

Table 13: Neuropsychiatric WG: Alzheimers

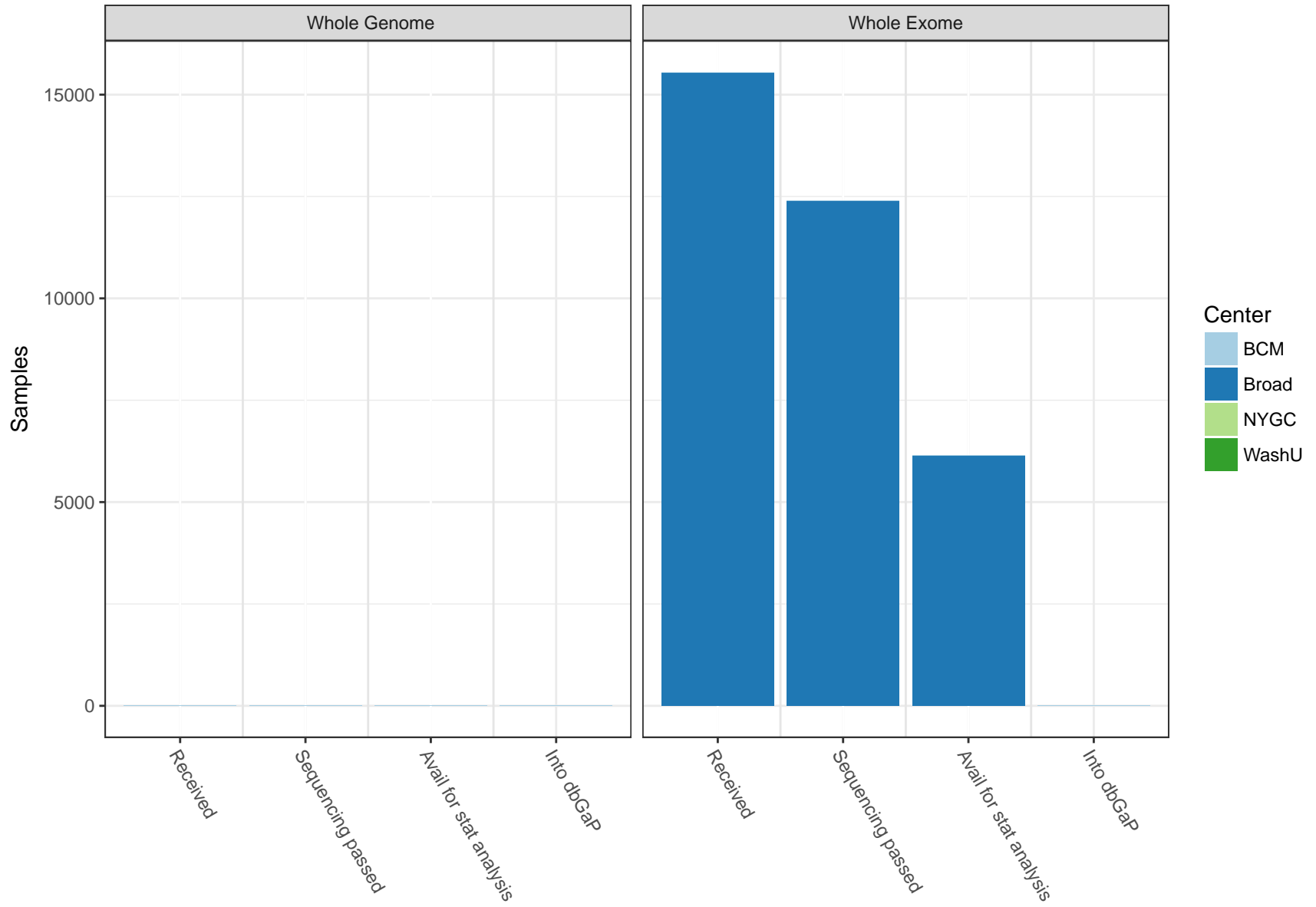
Neuropsychiatric WG: Autism



Status	Genomes					Exomes				
	BCM	Broad	NYGC	WashU	Total	BCM	Broad	NYGC	WashU	Total
Received	0	548	10,034	0	10,582	0	7,229	0	0	7,229
Sequencing passed	0	265	8,644	0	8,909	0	6,871	0	0	6,871
Avail for stat analysis	0	0	5,108	0	5,108	0	4,640	0	0	4,640
Into dbGaP	0	0	0	0	0	0	4,640	0	0	4,640
Goal	0	540	13,100	0	13,640	0	9,469	0	0	9,469

Table 14: Neuropsychiatric WG: Autism

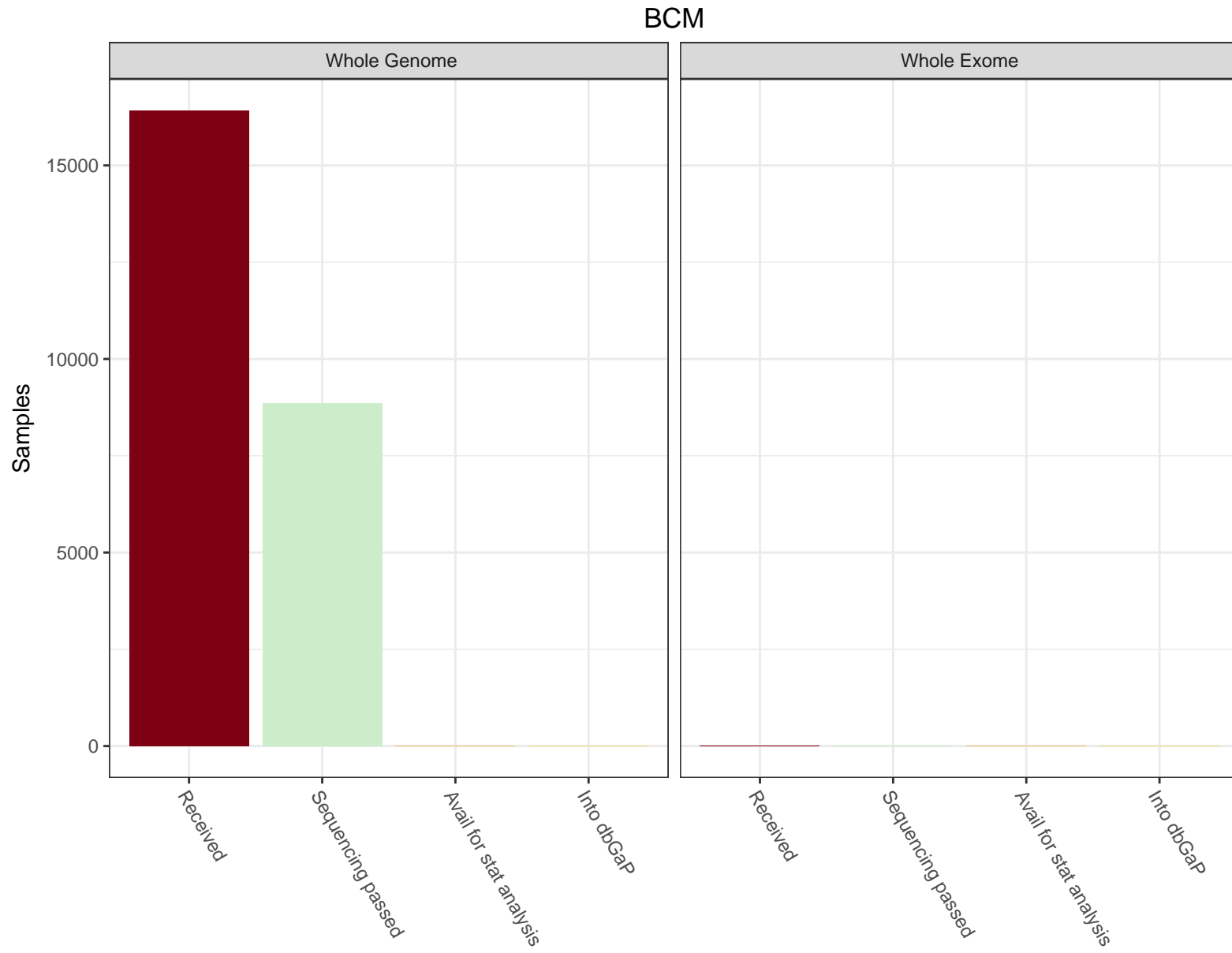
Neuropsychiatric WG: Epilepsy

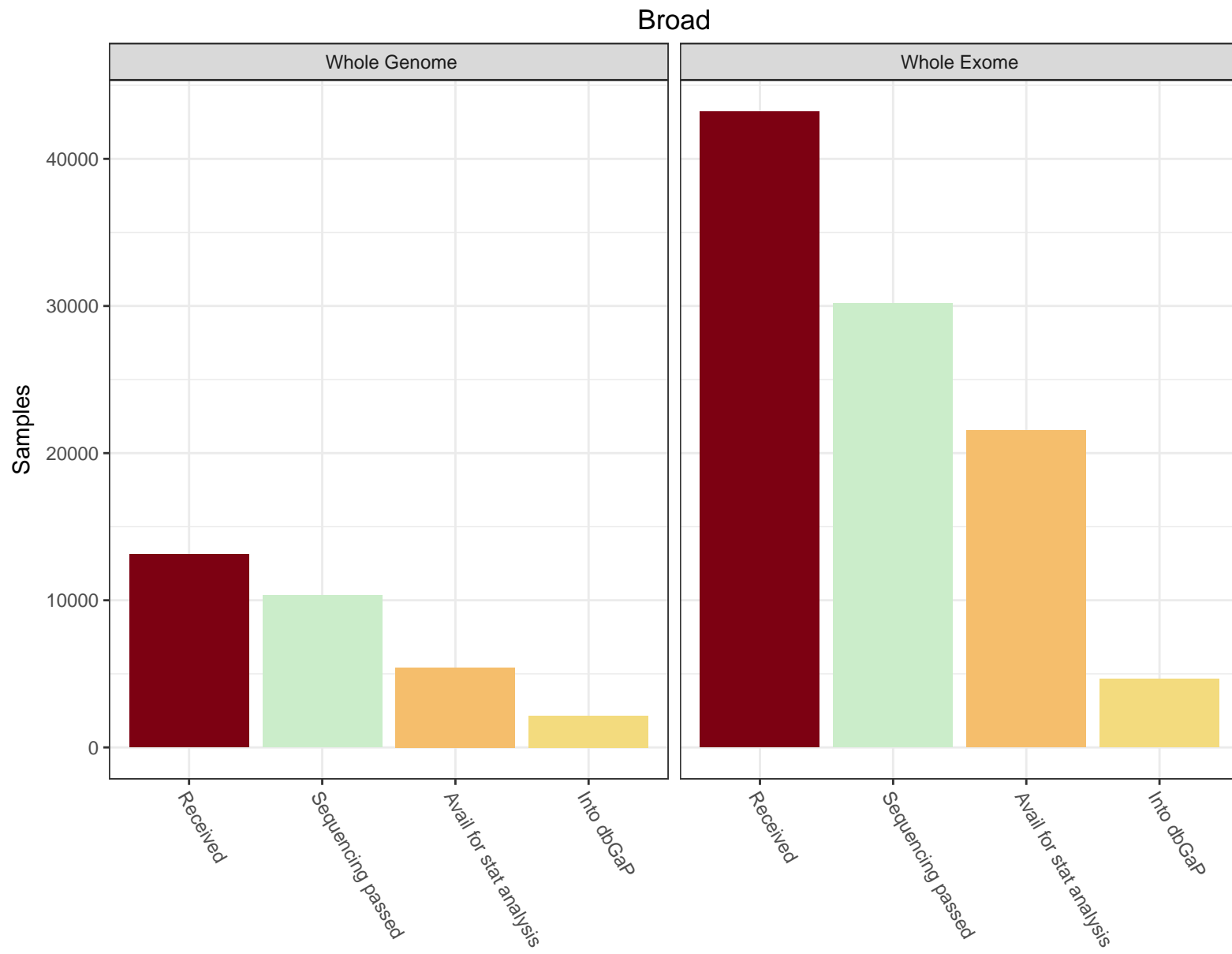


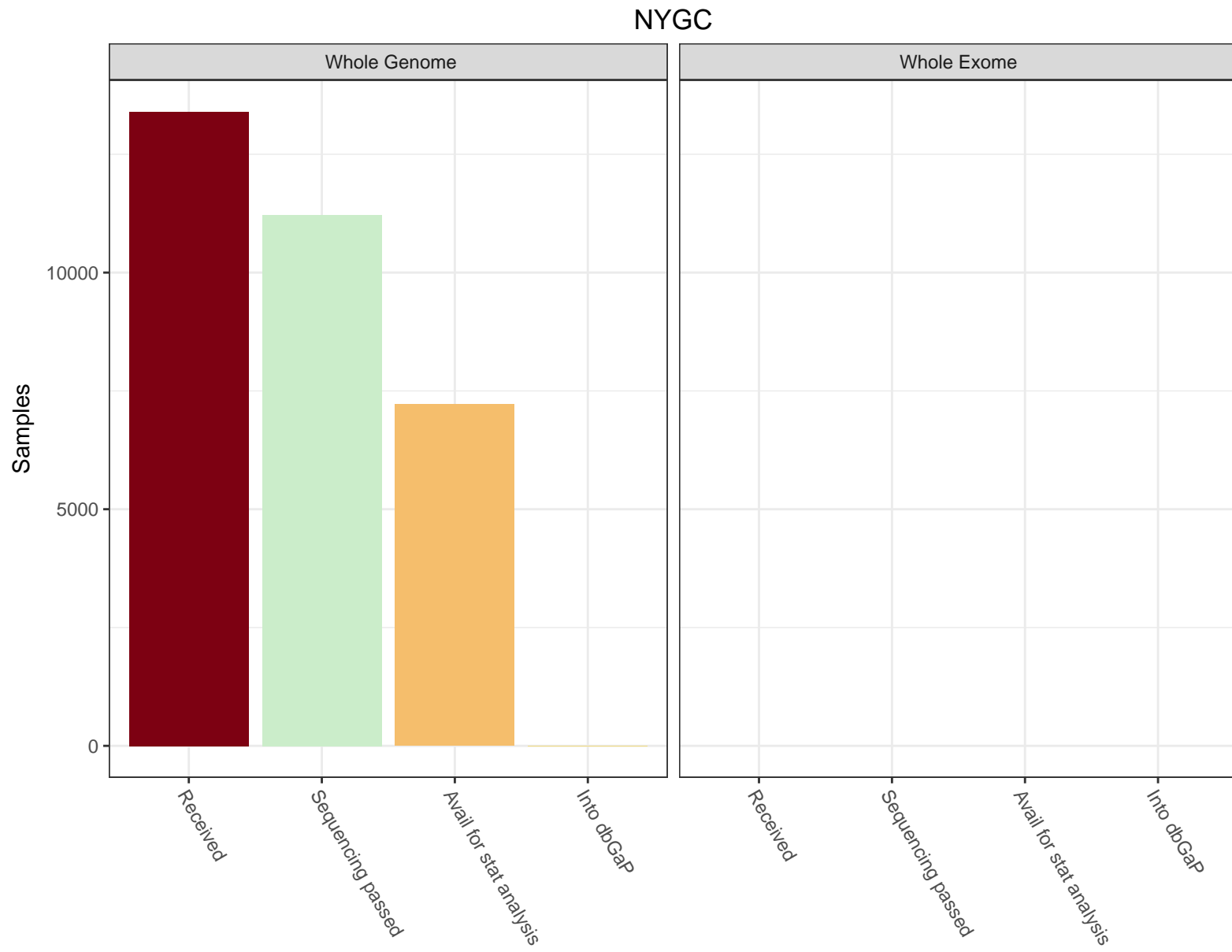
Status	Genomes					Exomes				
	BCM	Broad	NYGC	WashU	Total	BCM	Broad	NYGC	WashU	Total
Received	0	0	0	0	0	0	15,547	0	0	15,547
Sequencing passed	0	0	0	0	0	0	12,394	0	0	12,394
Avail for stat analysis	0	0	0	0	0	0	6,140	0	0	6,140
Into dbGaP	0	0	0	0	0	0	0	0	0	0
Goal	0	0	0	0	0	0	18,913	0	0	18,913

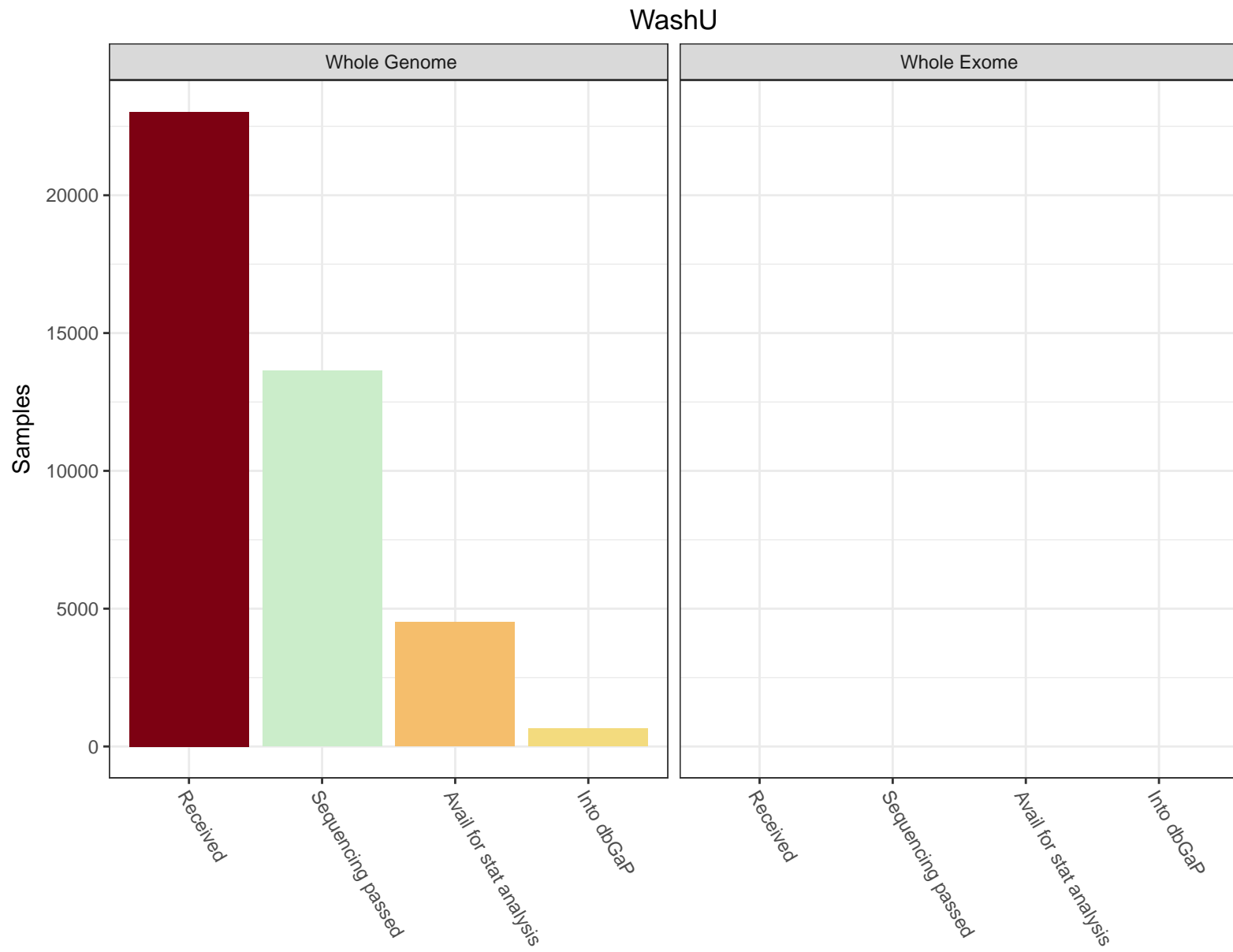
Table 15: Neuropsychiatric WG: Epilepsy

By Center









Status	Genomes				Exomes			
	BCM	Broad	NYGC	WashU	BCM	Broad	NYGC	WashU
Received	16,413	13,129	13,400	23,030	0	43,196	0	0
Sequencing passed	8,864	10,349	11,216	13,639	0	30,186	0	0
Avail for stat analysis	0	5,428	7,212	4,515	0	21,551	0	0
Into dbGaP	0	2,162	0	655	0	4,640	0	0

Table 16: Totals by Status, Data Type, and Center