

Room 2

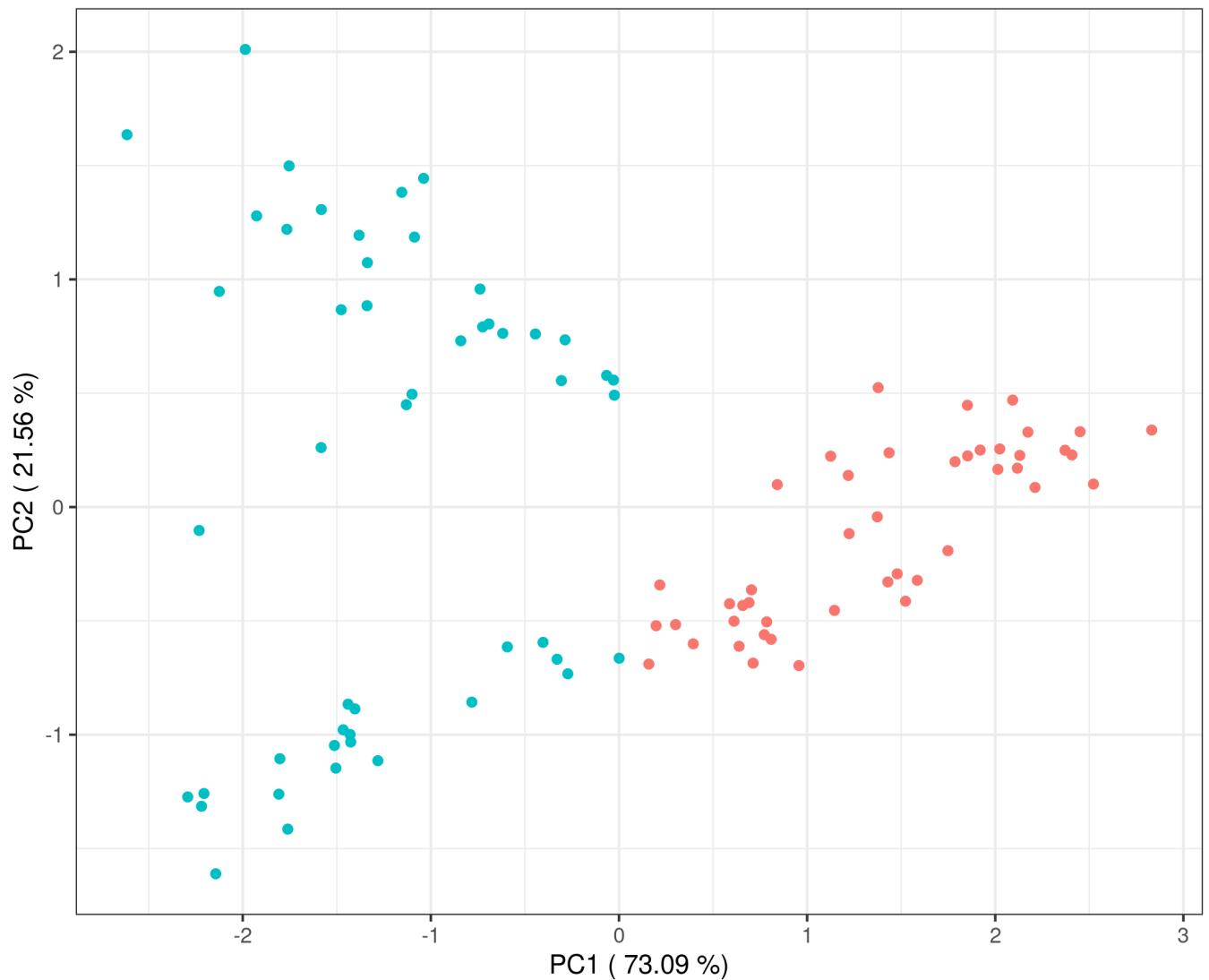
- Start Date: 02-01-2021 21:00
- End Date: 05-07-2021 14:00
- Days: 95 days
- Number of Birds: 37
- Most active bird: 6926
- Least active bird: 6909

Q1 transitions: 17

Q3 transitions: 28

Most Active Days PCA

Most Active Bird (6926)

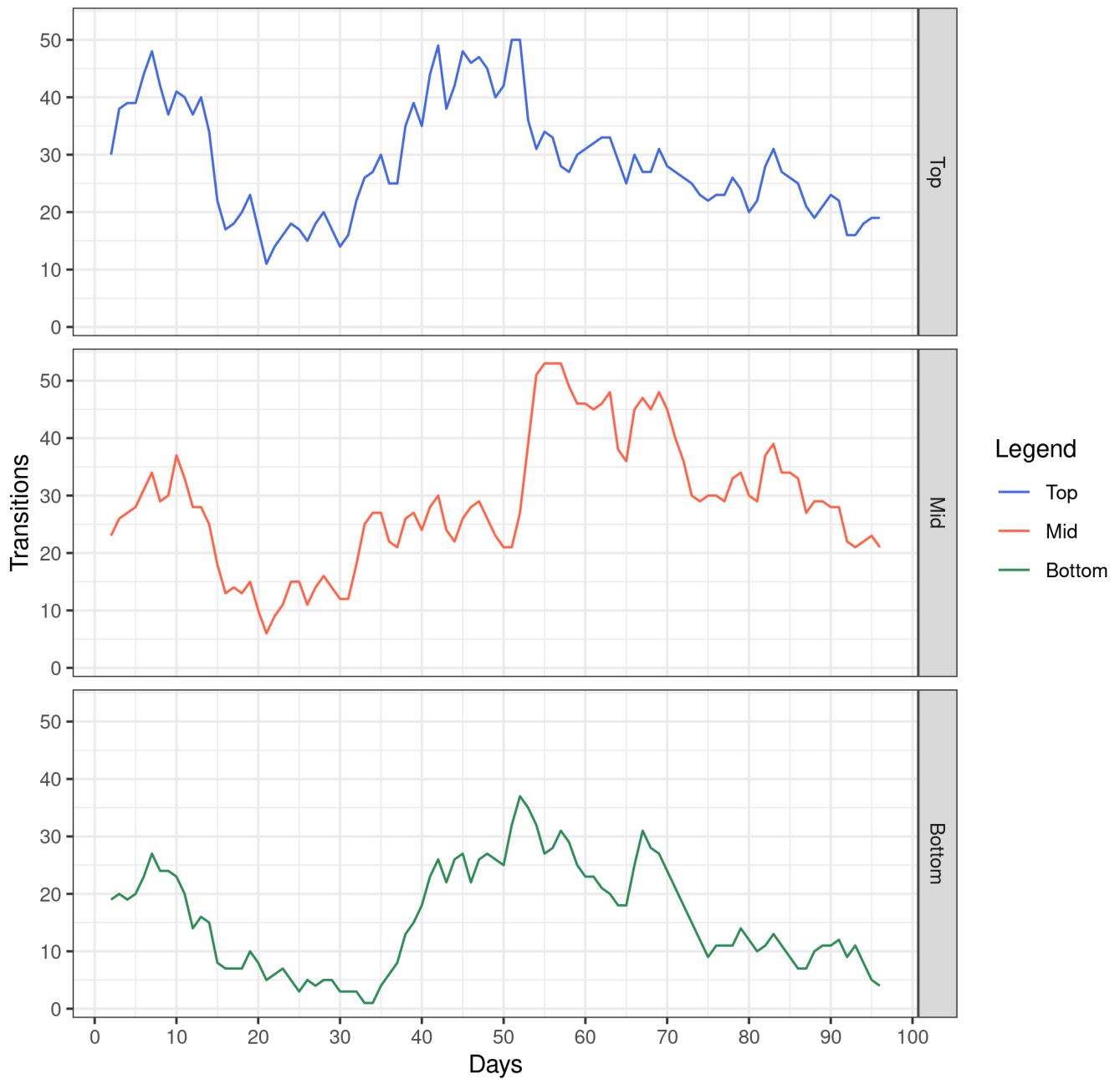


ays

- ▶ 15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,73,74,75,76,77,78,79,80,81,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100
- ▶ 2,3,4,5,6,7,8,9,10,11,12,13,14,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71

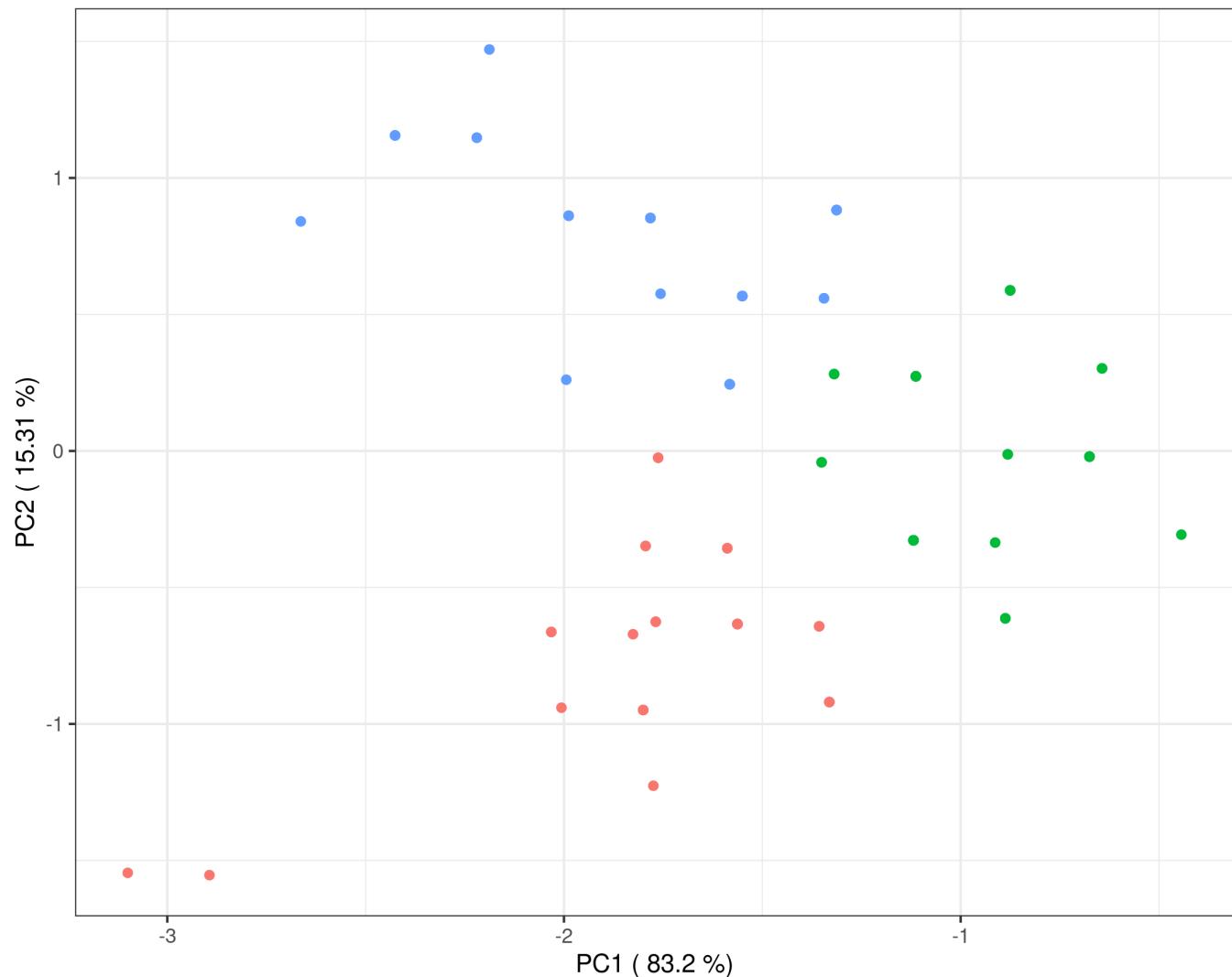
Most Active Transition Plot

Most Active Bird (6926) Transitions



Least Active Days PCA

Least Active Bird (6909)

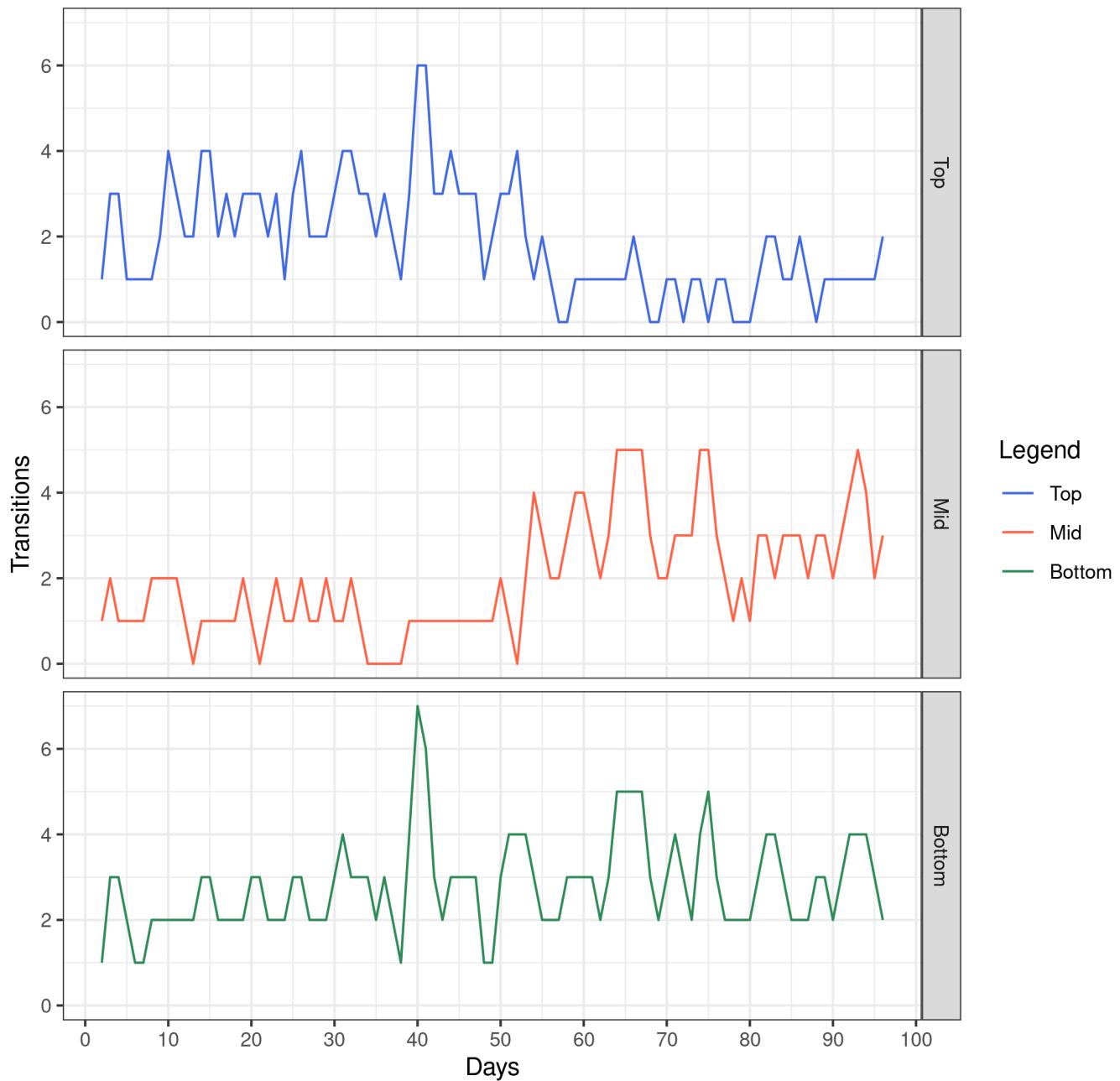


Days

- 3,4,10,11,14,15,17,19,20,21,23,25,26,30,31,32,33,34,36,39,40,41,42,43,44,45,46,47,50,51,52,53,83
- 2,5,6,7,8,9,12,13,16,18,22,24,27,28,29,35,37,38,48,49,56,57,62,69,70,77,78,79,80,87,90,95
- 54,55,58,59,60,61,63,64,65,66,67,68,71,72,73,74,75,76,81,82,84,85,86,88,89,91,92,93,94,96

Least Active Transition Plot

Least Active Bird (6909) Transitions



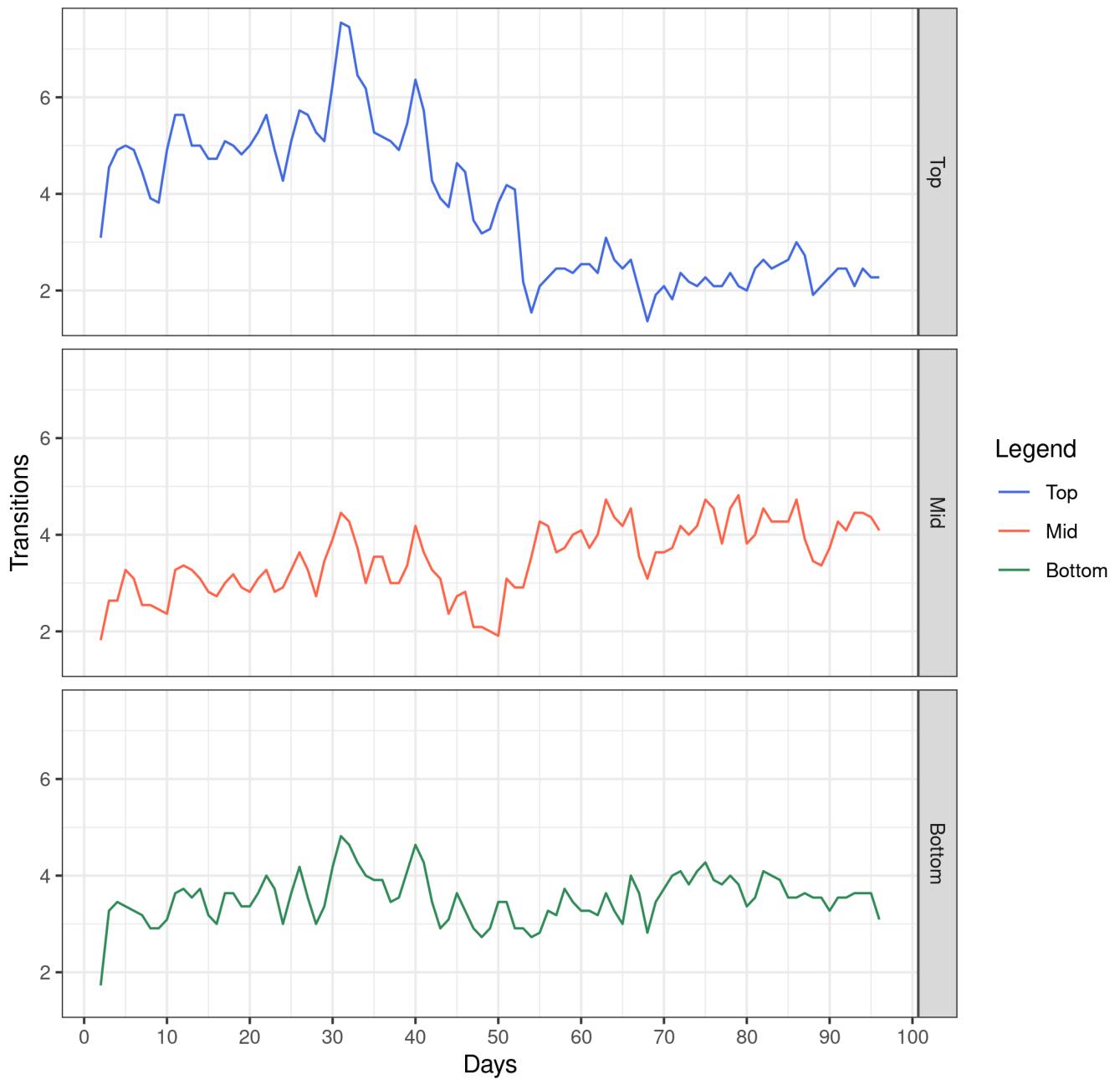
Organized IDs

low_act	med_act	high_act
6911	6872	6926
6952	6903	9021
6860	6946	6901
6958	6962	6960
6986	6937	9005

6971	6955	6956
6942	6855	6919
9024	6975	6925
6983	6978	6981
6988	6877	
6909	6890	
	6935	
	9001	
	9019	
	9026	
	6989	
	6908	

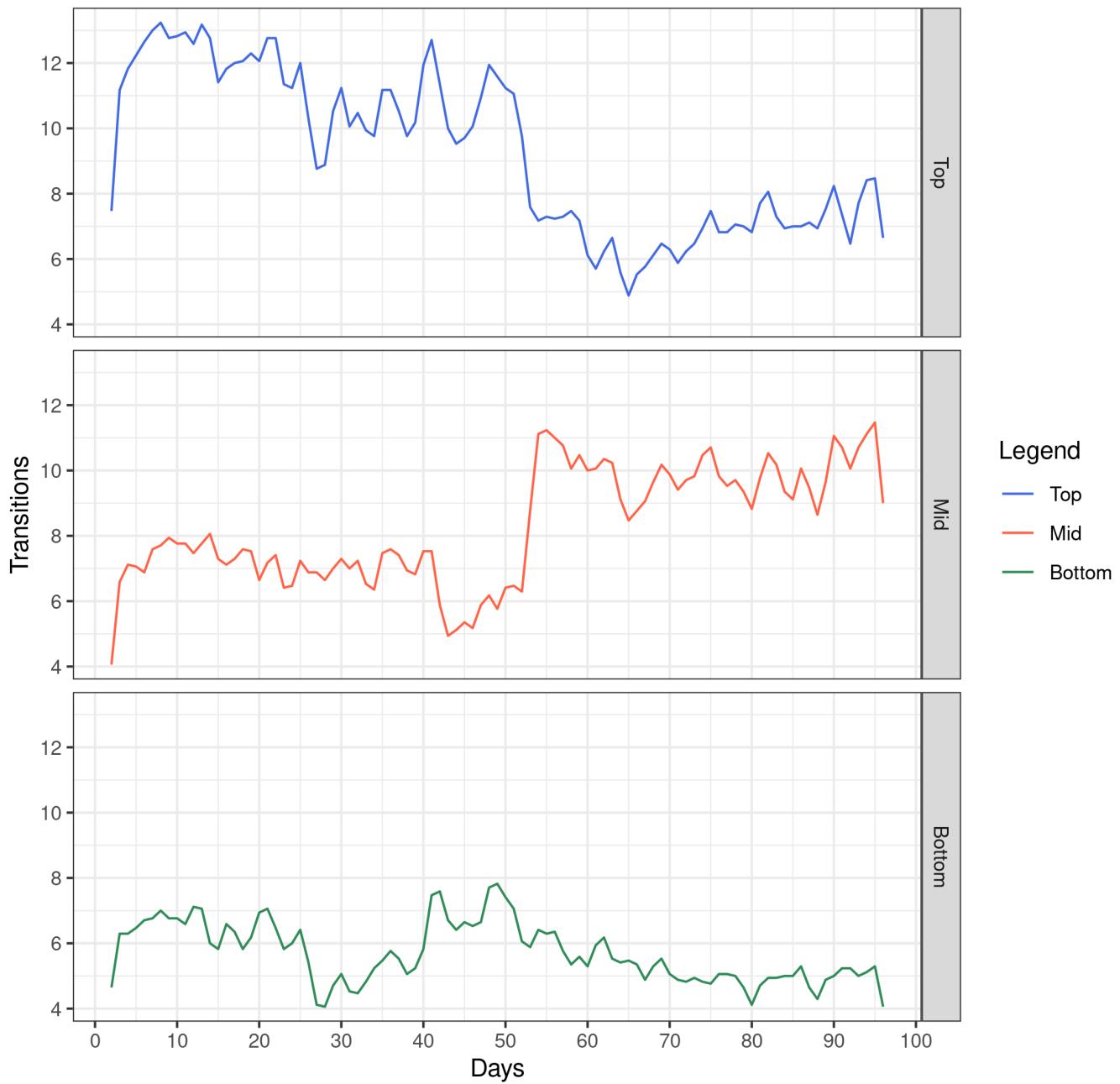
Low Activity Birds

Low Activity Birds Transitions in Room 2



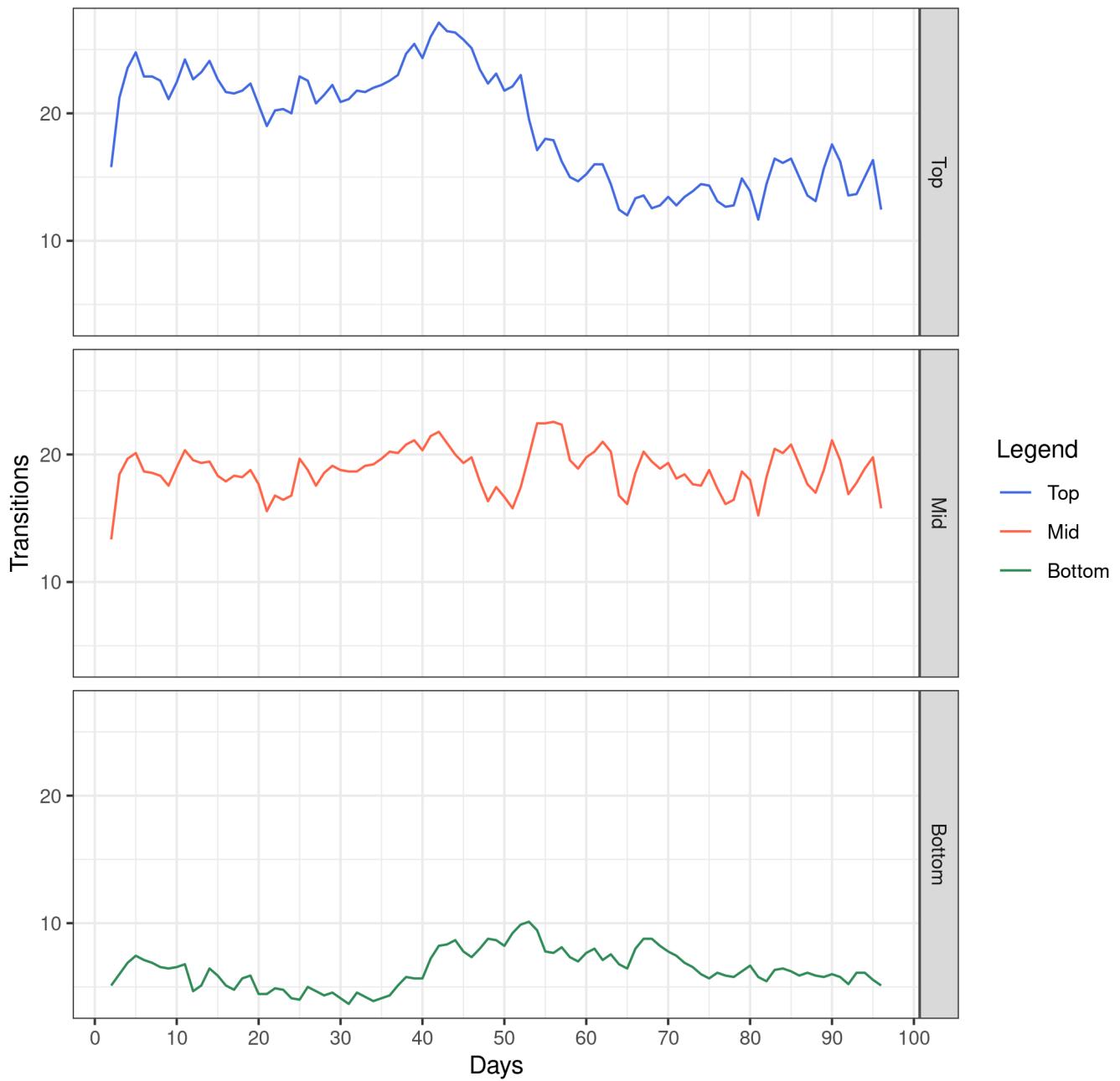
Medium Activity Birds

Medium Activity Birds Transitions in Room 2



High Activity Birds

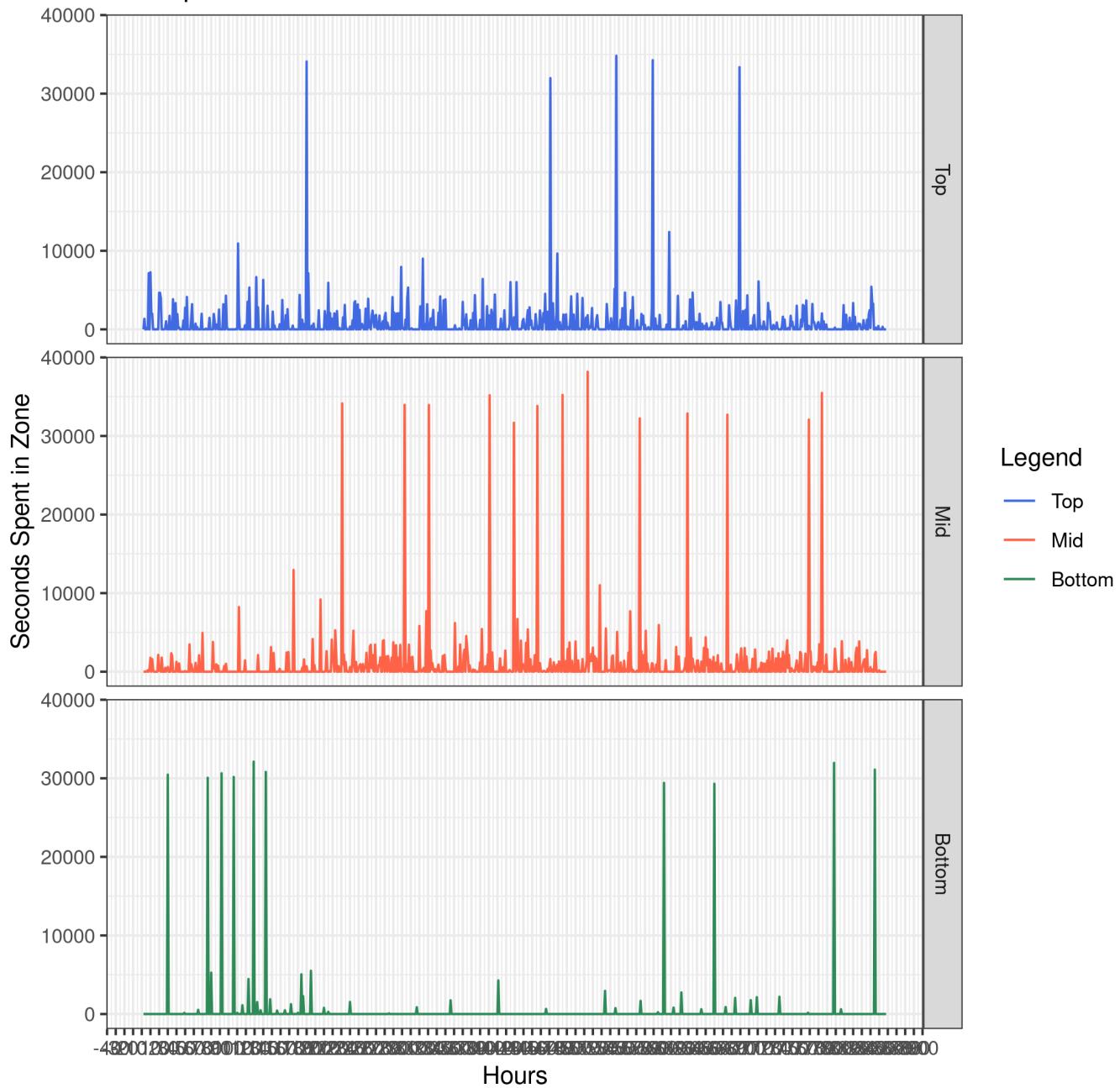
High Activity Birds Transitions in Room 2



Duration Plots

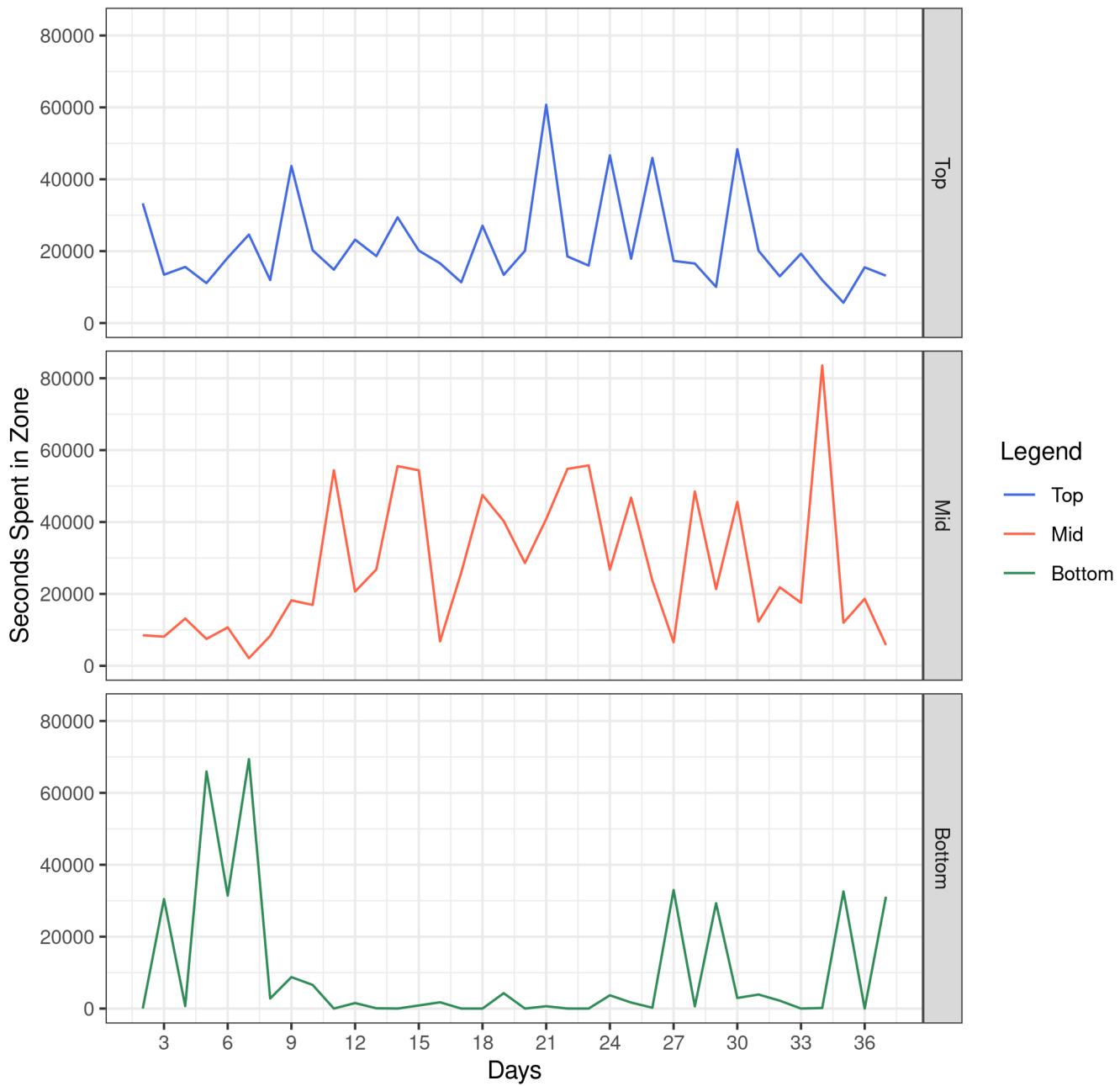
Transitions

Example Birds Transition Duration in Room 2



Transitions by day

Example Birds Transition Duration in Room 2



Room 3

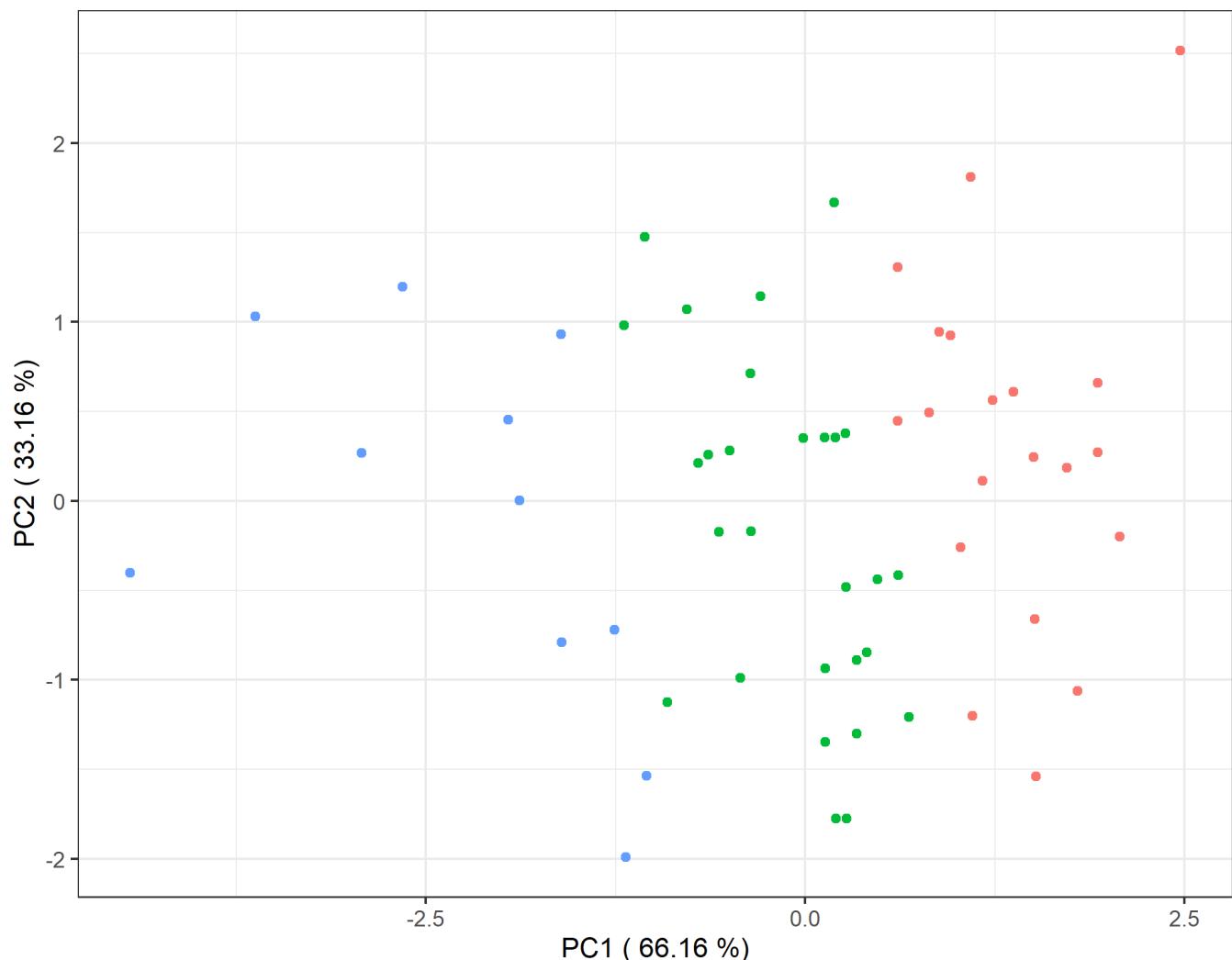
- Start Date: 03-09-2021 21:00
- End Date: 05-07-2021 14:00
- Days: 59 days
- Number of Birds: 31
- Most active bird: 6980
- Least active bird: 9018

Q1 transitions: 43

Q3 transitions: 94

Most Active Days PCA

Most Active Bird (6980)

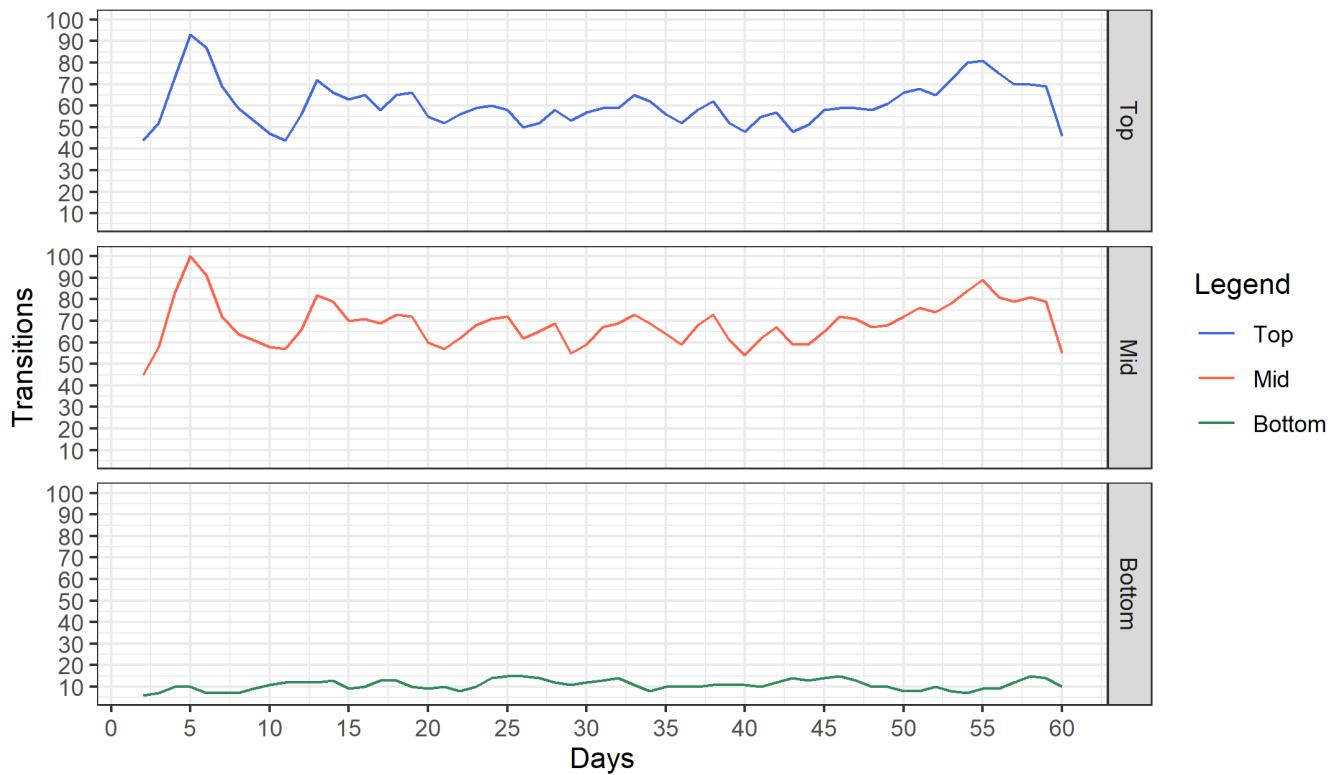


Days

- 2,3,9,10,11,20,21,22,26,27,29,30,35,36,39,40,41,43,44,60
- 7,8,12,14,15,16,17,18,19,23,24,25,28,31,32,33,34,37,38,42,45,46,47,48,49,50,51,52
- 4,5,6,13,53,54,55,56,57,58,59

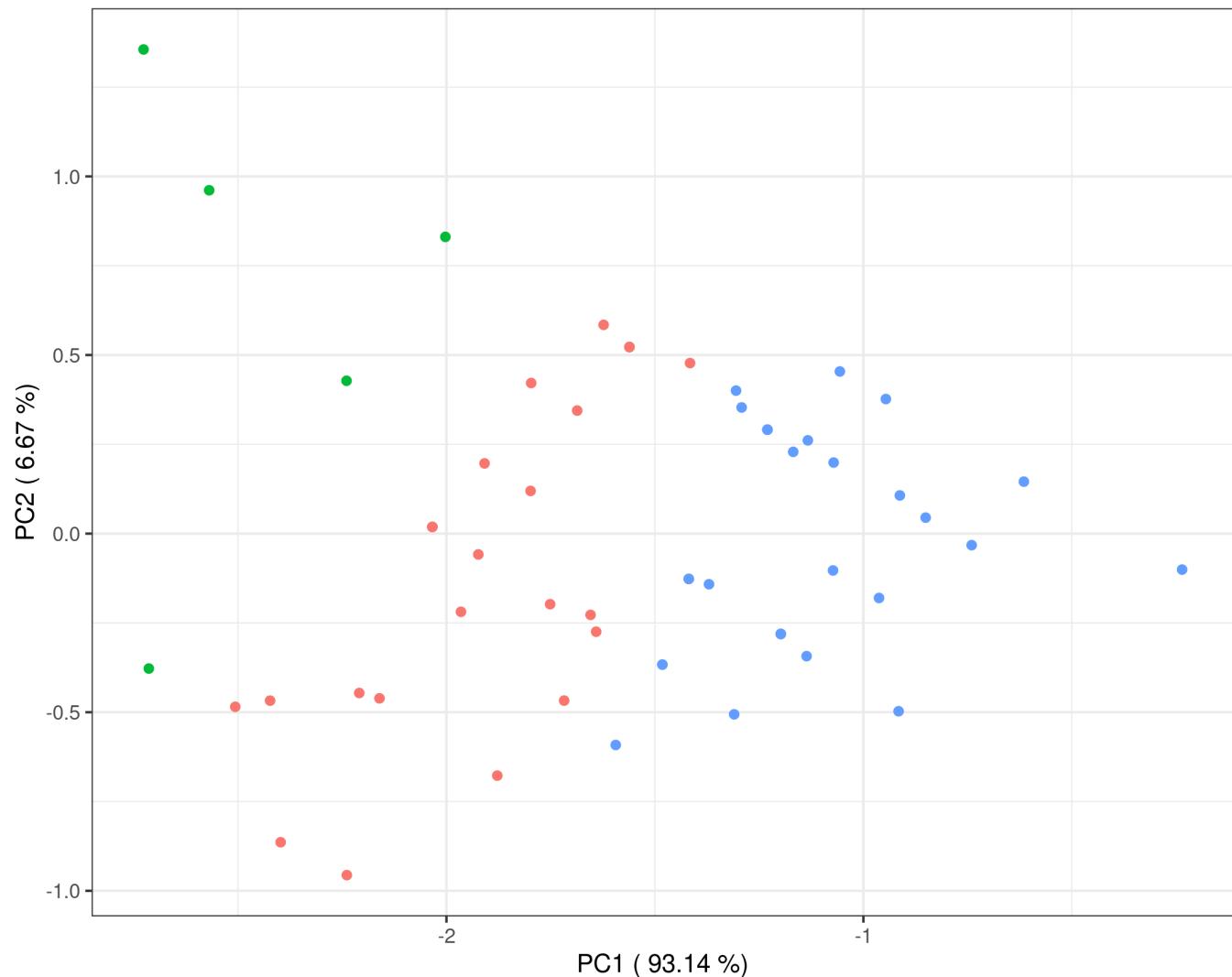
Most Active Transition Plot

Most Active Bird (6980) Transitions



Least Active Days PCA

Least Active Bird (9018)

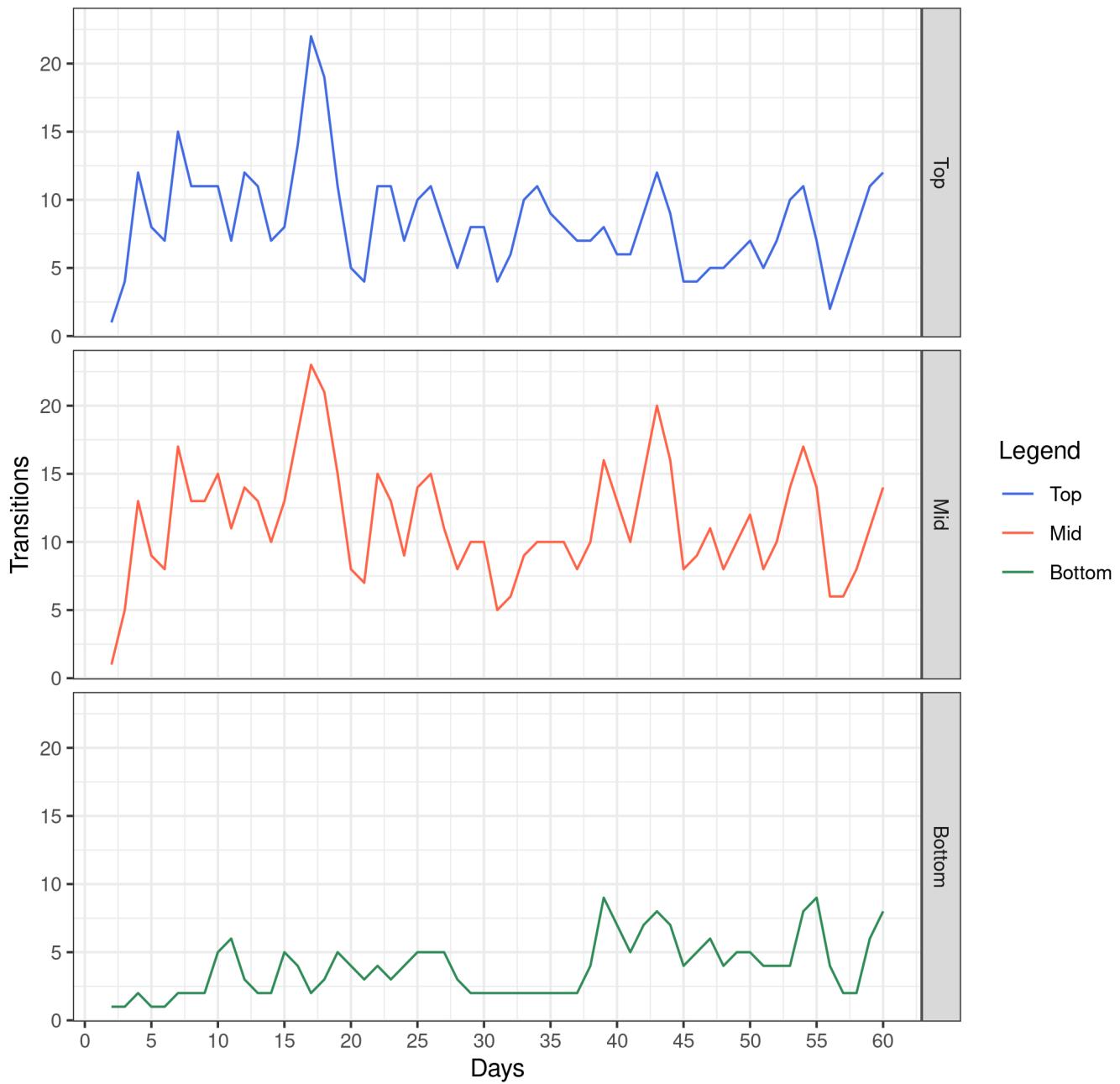


Days

- 4,8,9,10,11,12,13,15,19,22,23,25,26,27,34,39,40,42,44,50,53,54,55,59,60
- 7,16,17,18,43
- 2,3,5,6,14,20,21,24,28,29,30,31,32,33,35,36,37,38,41,45,46,47,48,49,51,52,56,57,58

Least Active Transition Plot

Least Active Bird (9018) Transitions



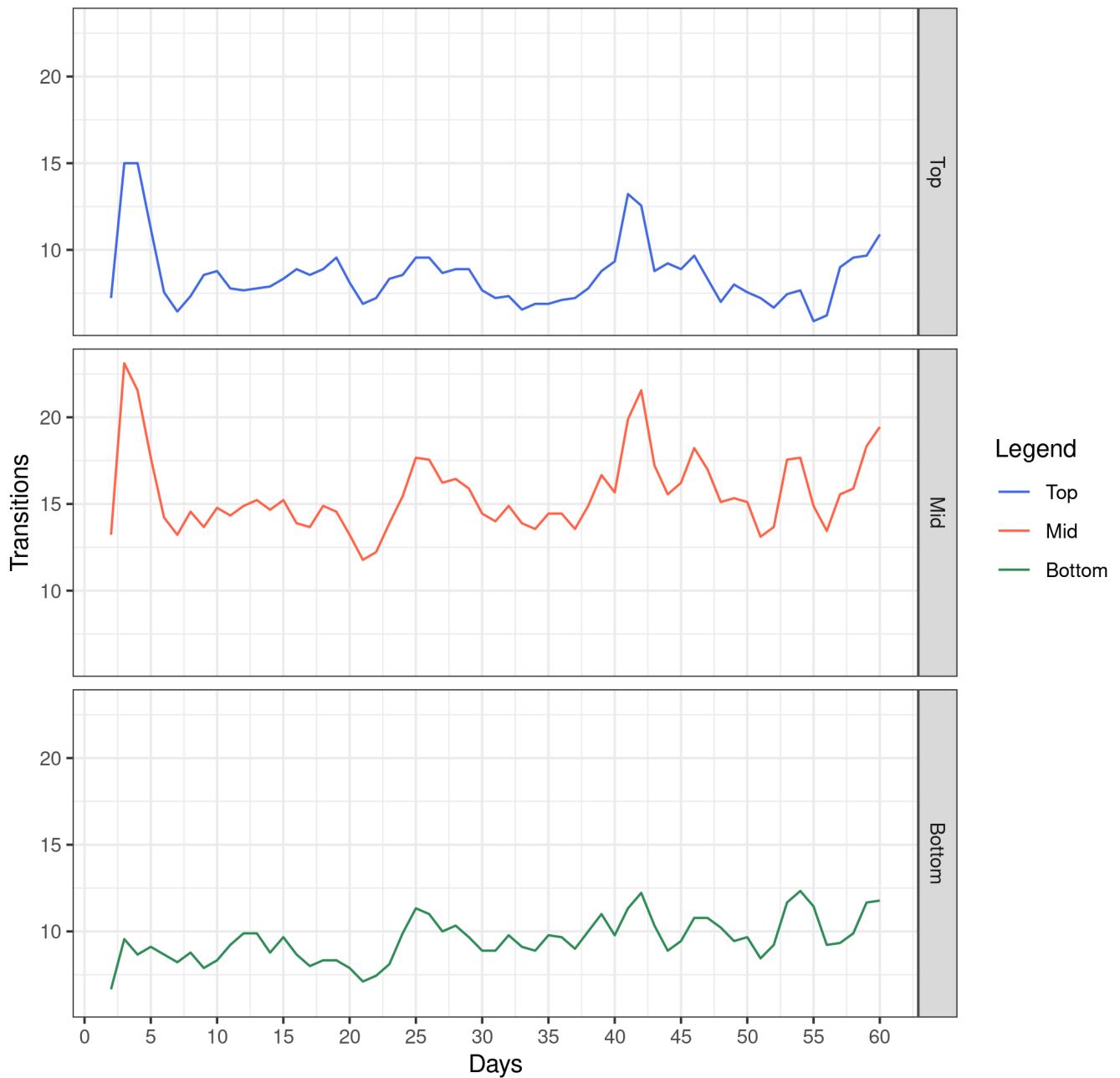
Organized IDs

low_act	med_act	high_act
6947	6927	6905
6992	6976	6998
6933	9016	6921
6969	9004	6967
6943	6934	6980

6883	6924	9013
6922	6736	9010
6944	6902	6977
9018	6938	
	6959	
	6918	
	6963	
	6907	
	6972	

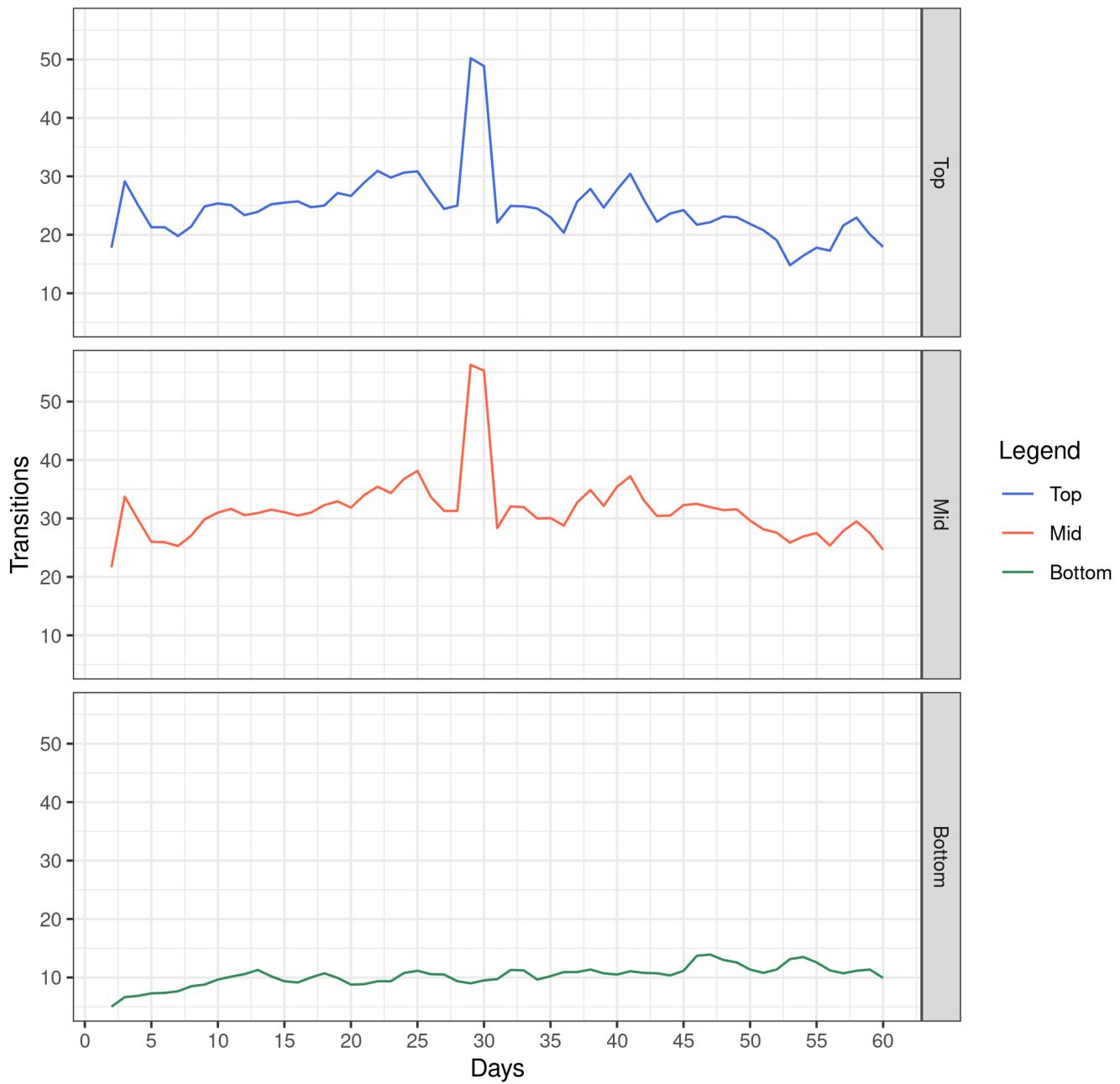
Low Activity Birds

Low Activity Birds Transitions in Room 3



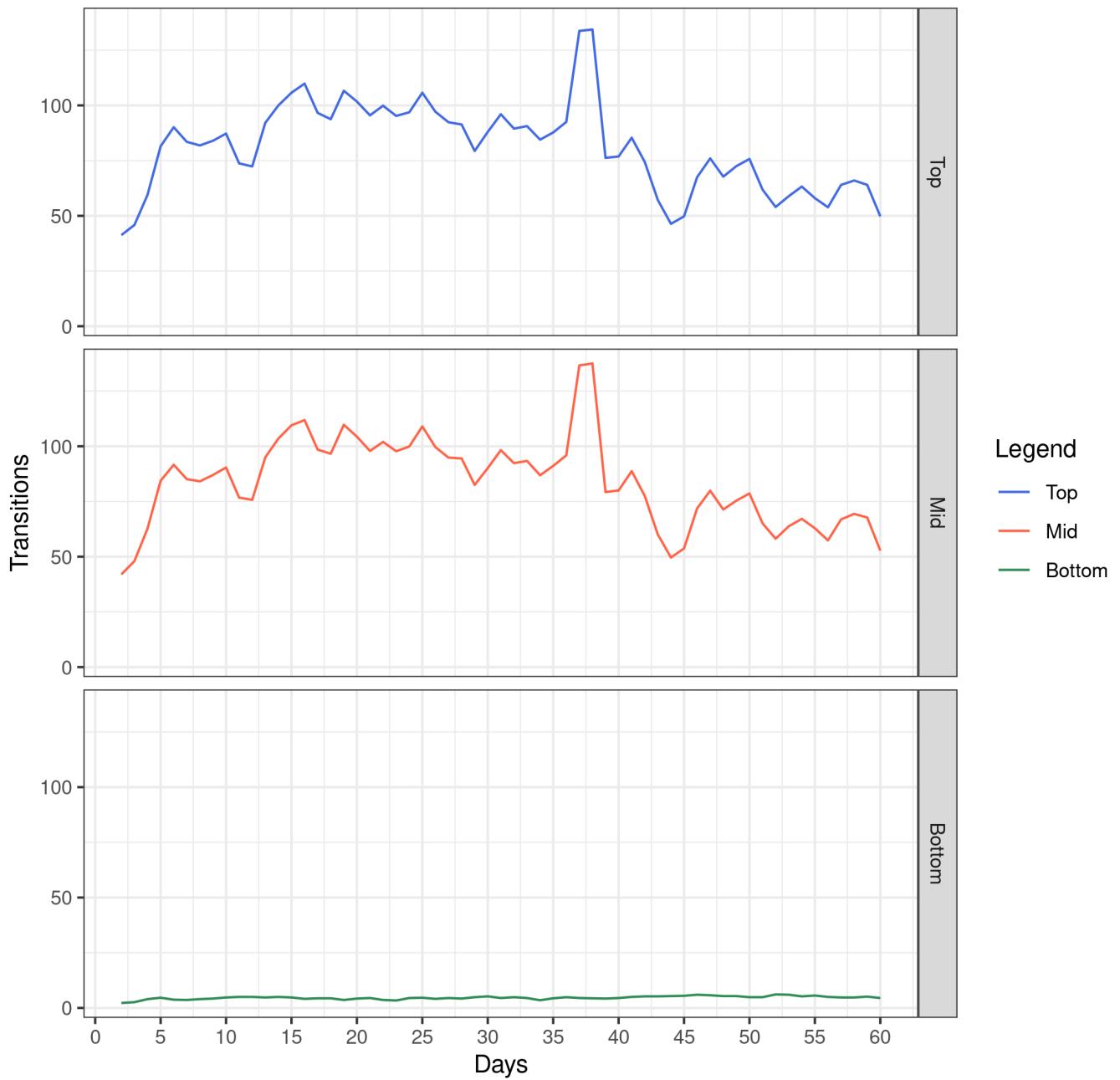
Medium Activity Birds

Medium Activity Birds Transitions in Room 3



High Activity Birds

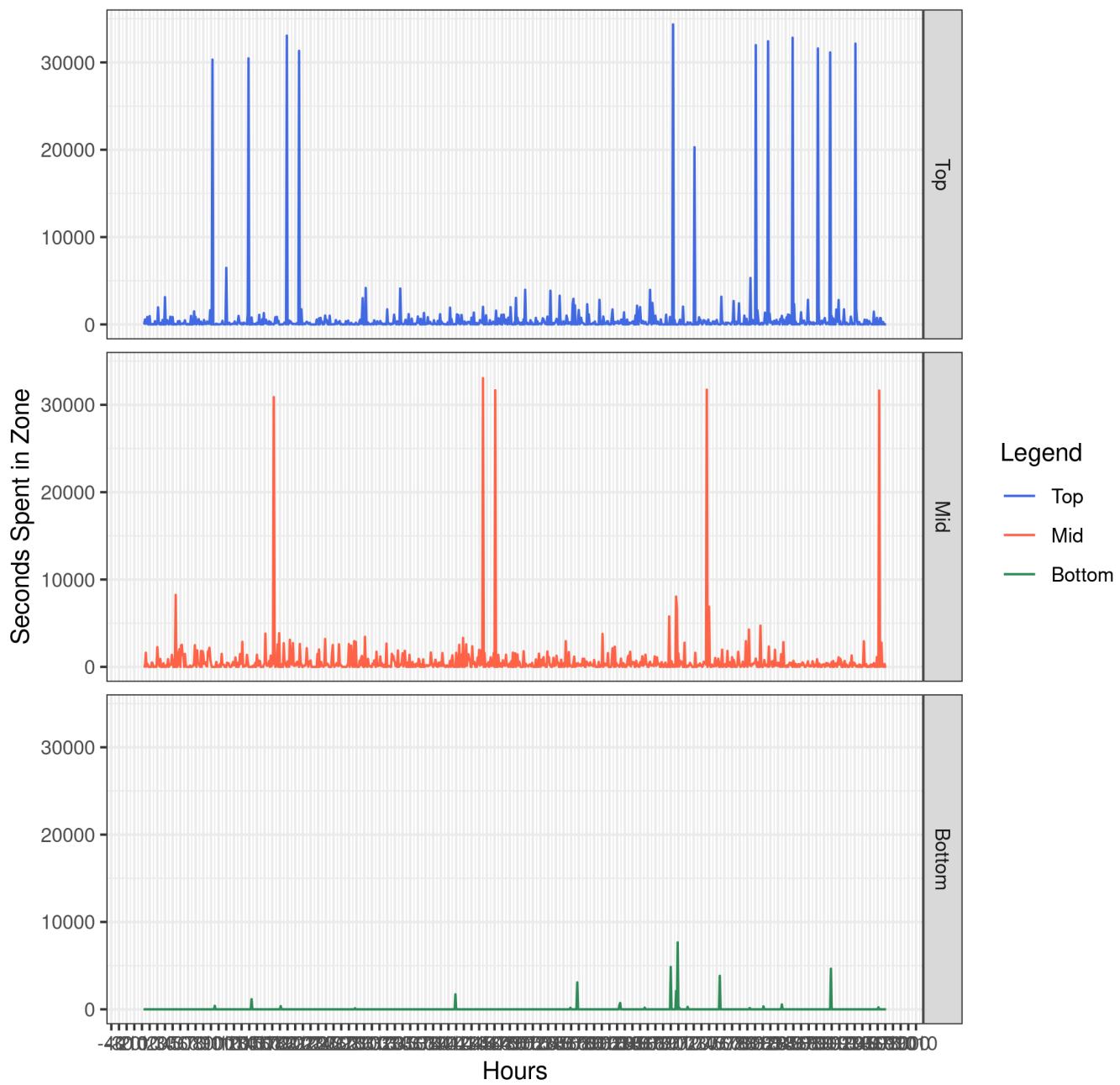
High Activity Birds Transitions in Room 3



Duration Plots

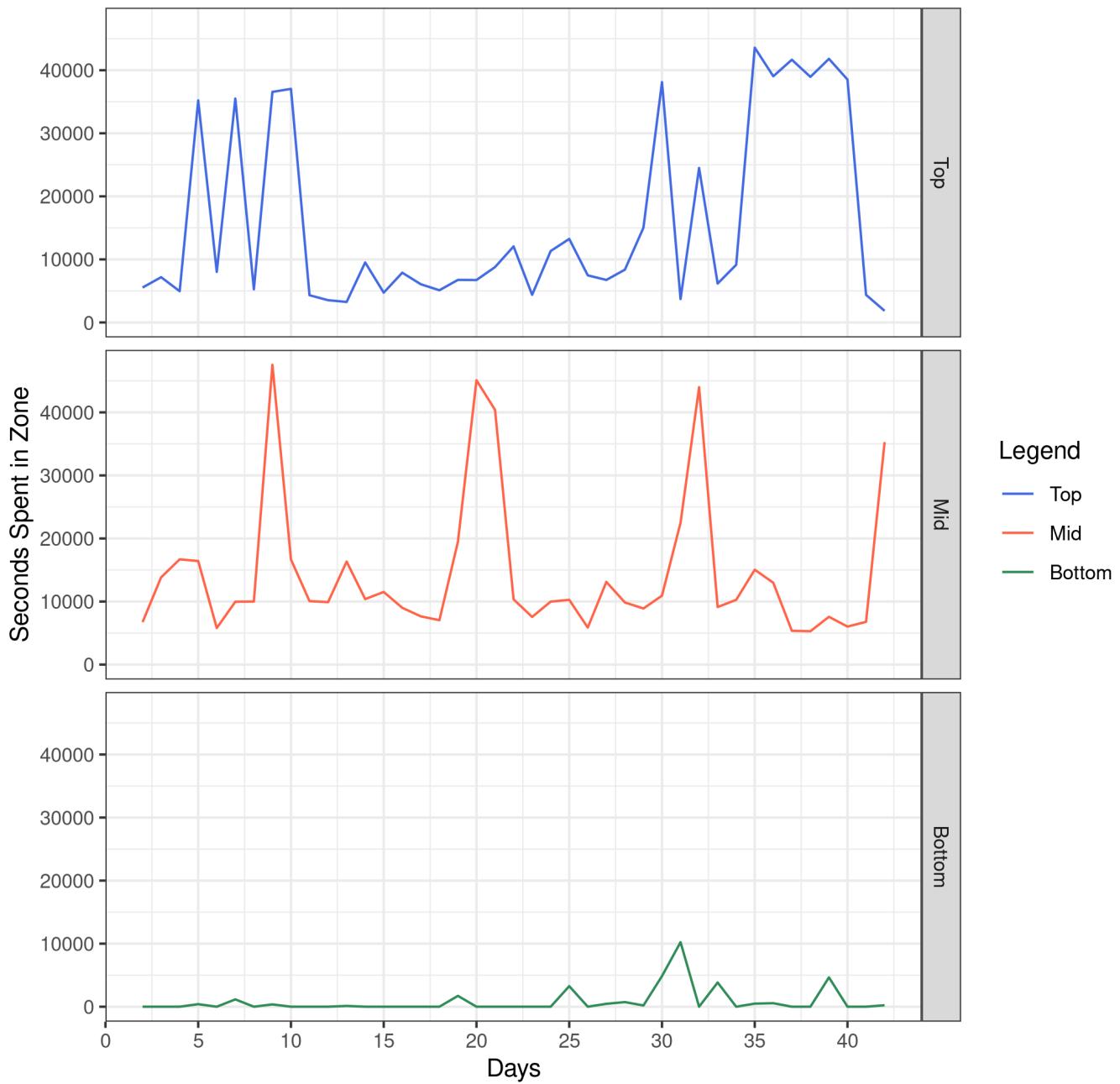
Transitions

Example Birds Transition Duration in Room 3



Transitions by day

Example Birds Transition Duration in Room 3



Room 8

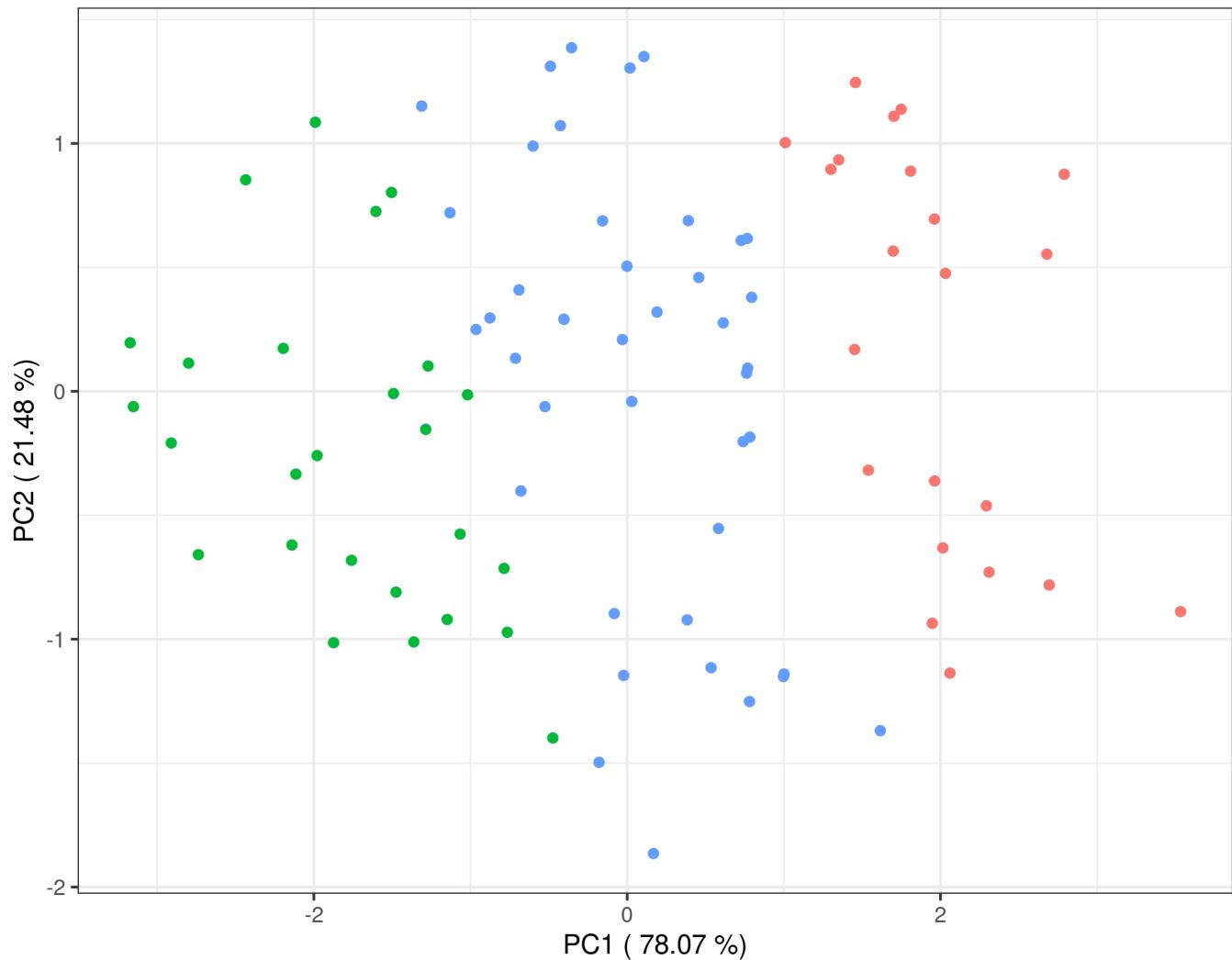
- Start Date: 02-05-2021 12:00
- End Date: 05-06-2021 23:00
- Days: 90 days
- Number of Birds: 36
- Most active bird: 6951
- Least active bird: 6929

Q1 transitions: 11

Q3 transitions: 31

Most Active Days PCA

Most Active Bird (6951)

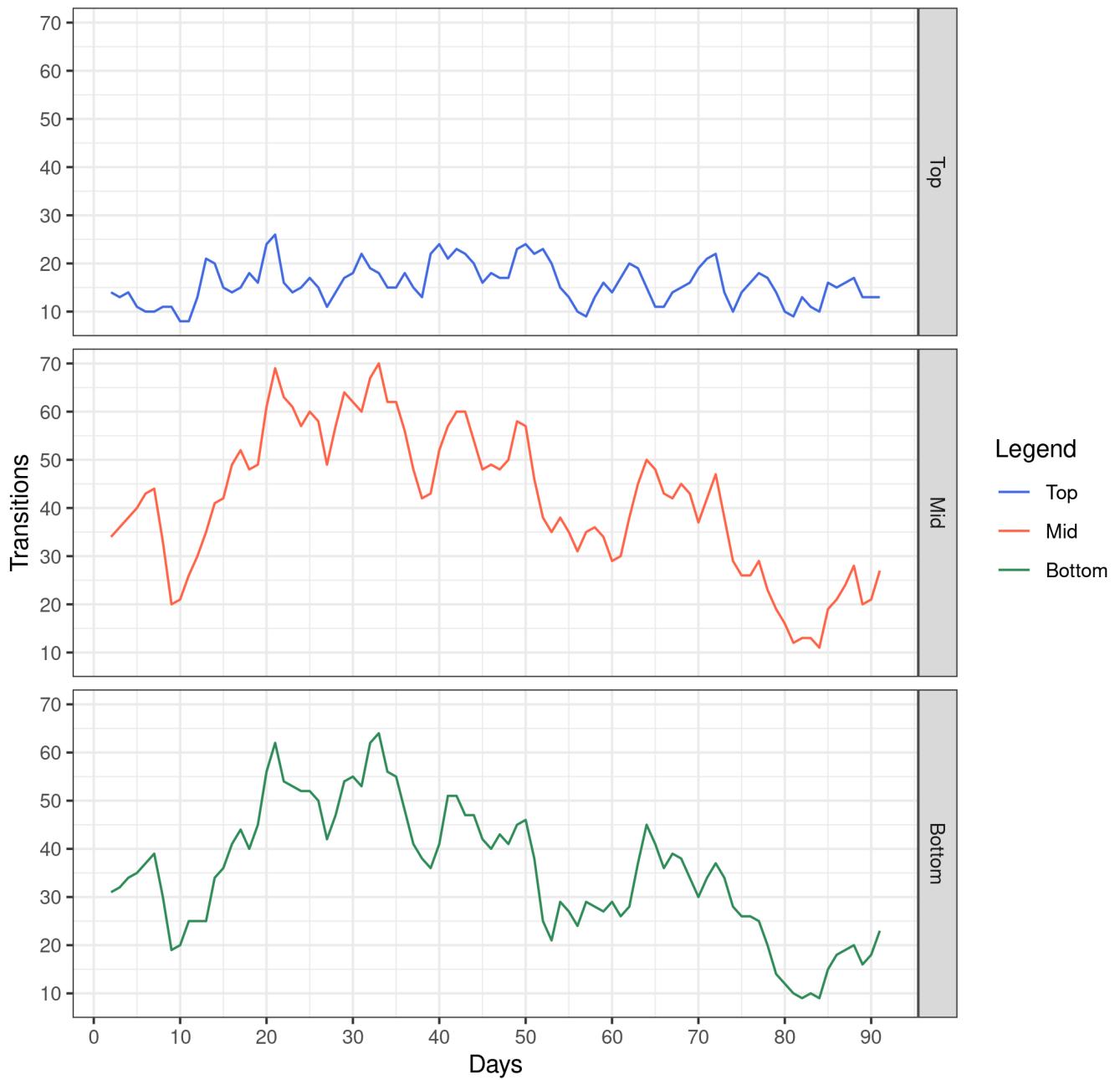


Days

- 20,21,22,23,24,25,26,28,29,30,31,32,33,34,35,36,41,42,43,44,49,50
- 9,10,11,12,53,56,60,61,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91
- 2,3,4,5,6,7,8,13,14,15,16,17,18,19,27,37,38,39,40,45,46,47,48,51,52,54,55,57,58,59,62,63,64,65,66,67,68,69,70,71,72,73

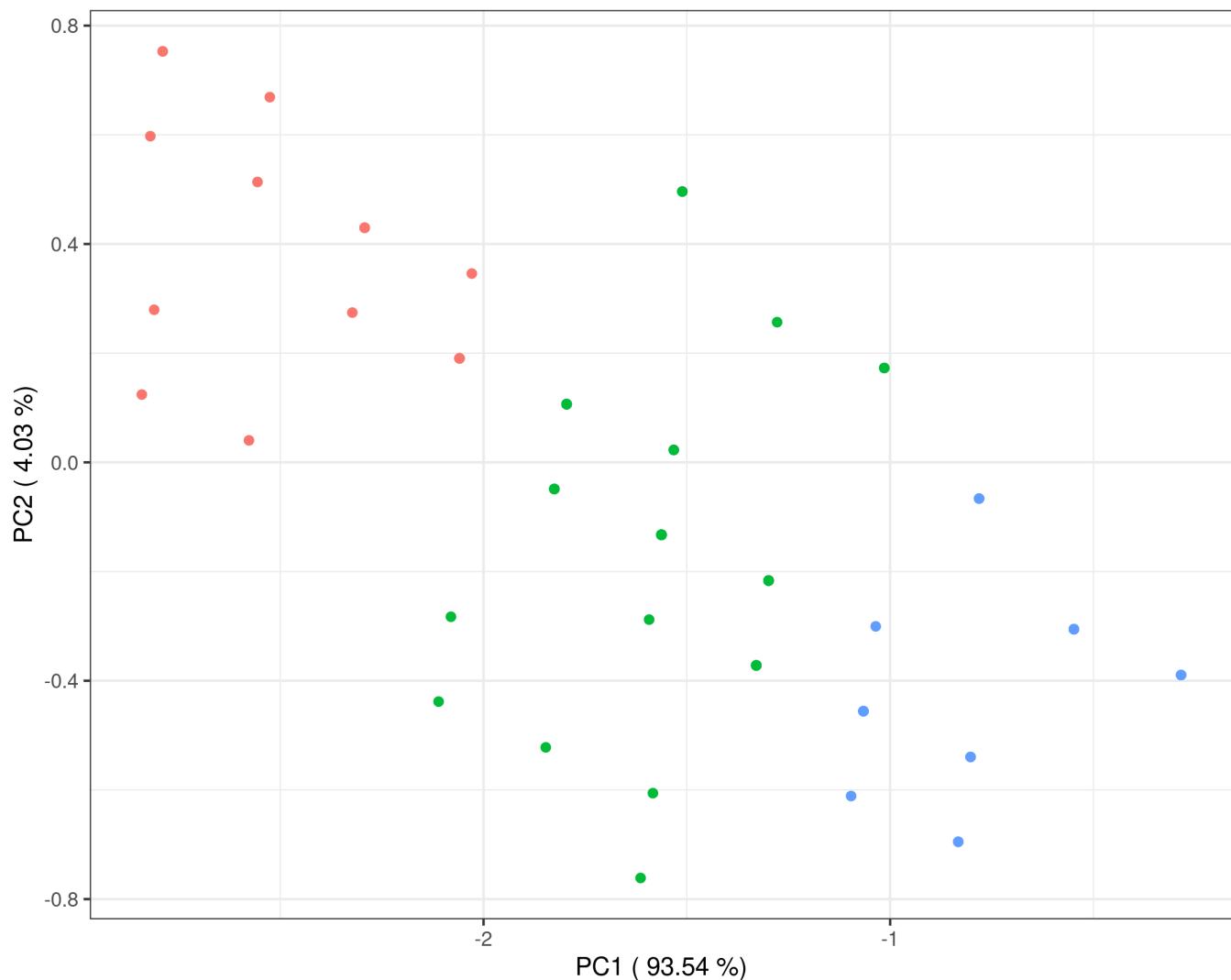
Most Active Transition Plot

Most Active Bird (6951) Transitions



Least Active Days PCA

Least Active Bird (6929)



/S

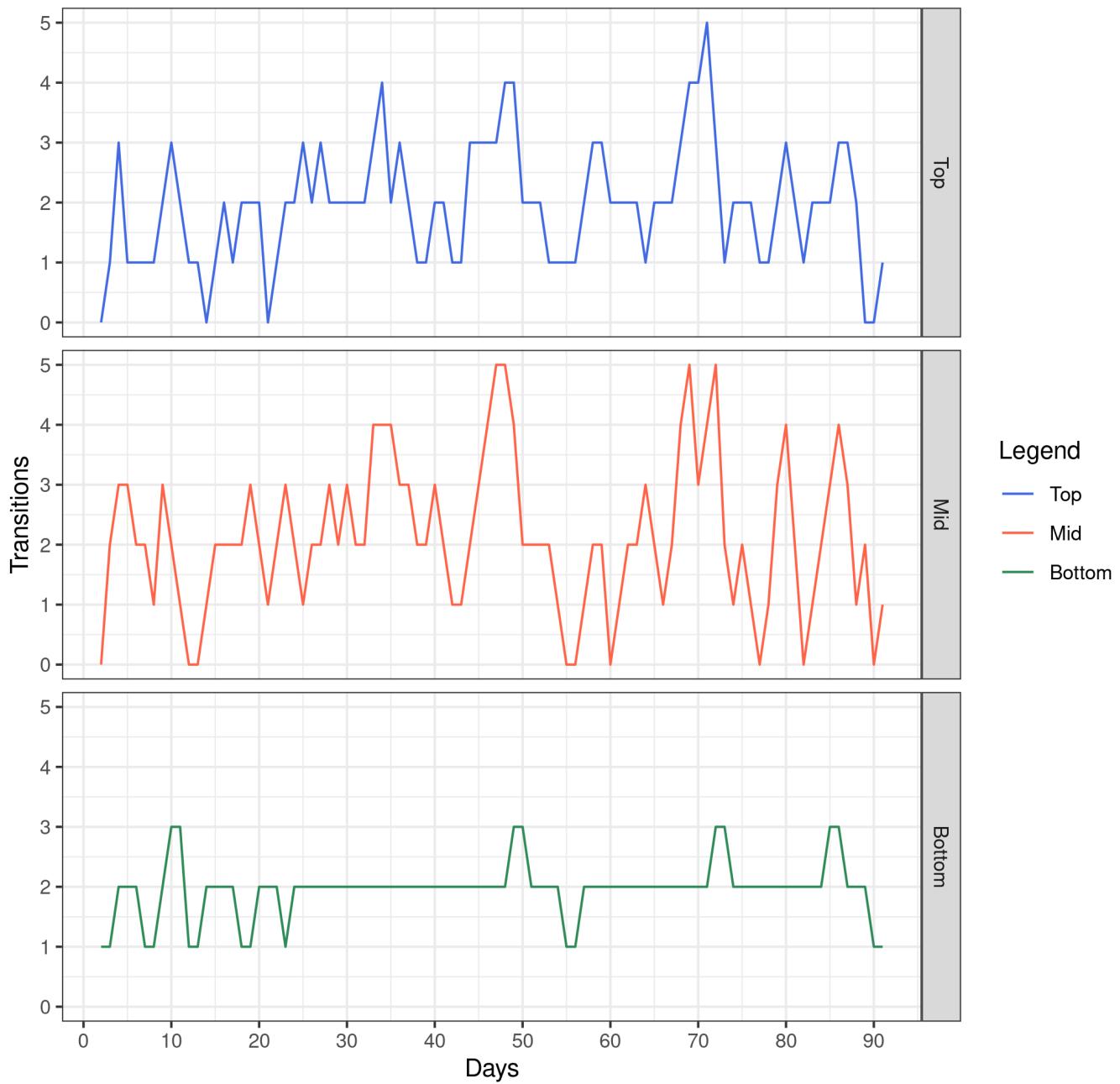
4,33,34,35,36,45,46,47,48,49,68,69,70,71,72,80,86,87

3,5,6,7,9,10,11,15,16,17,18,19,20,22,23,24,25,26,27,28,29,30,31,32,37,38,39,40,41,44,50,51,52,53,57,58,59,61,62,63,64,65,66,67,73,74,75,76,79,8

2,8,12,13,14,21,42,43,54,55,56,60,77,78,82,89,90,91

Least Active Transition Plot

Least Active Bird (6929) Transitions



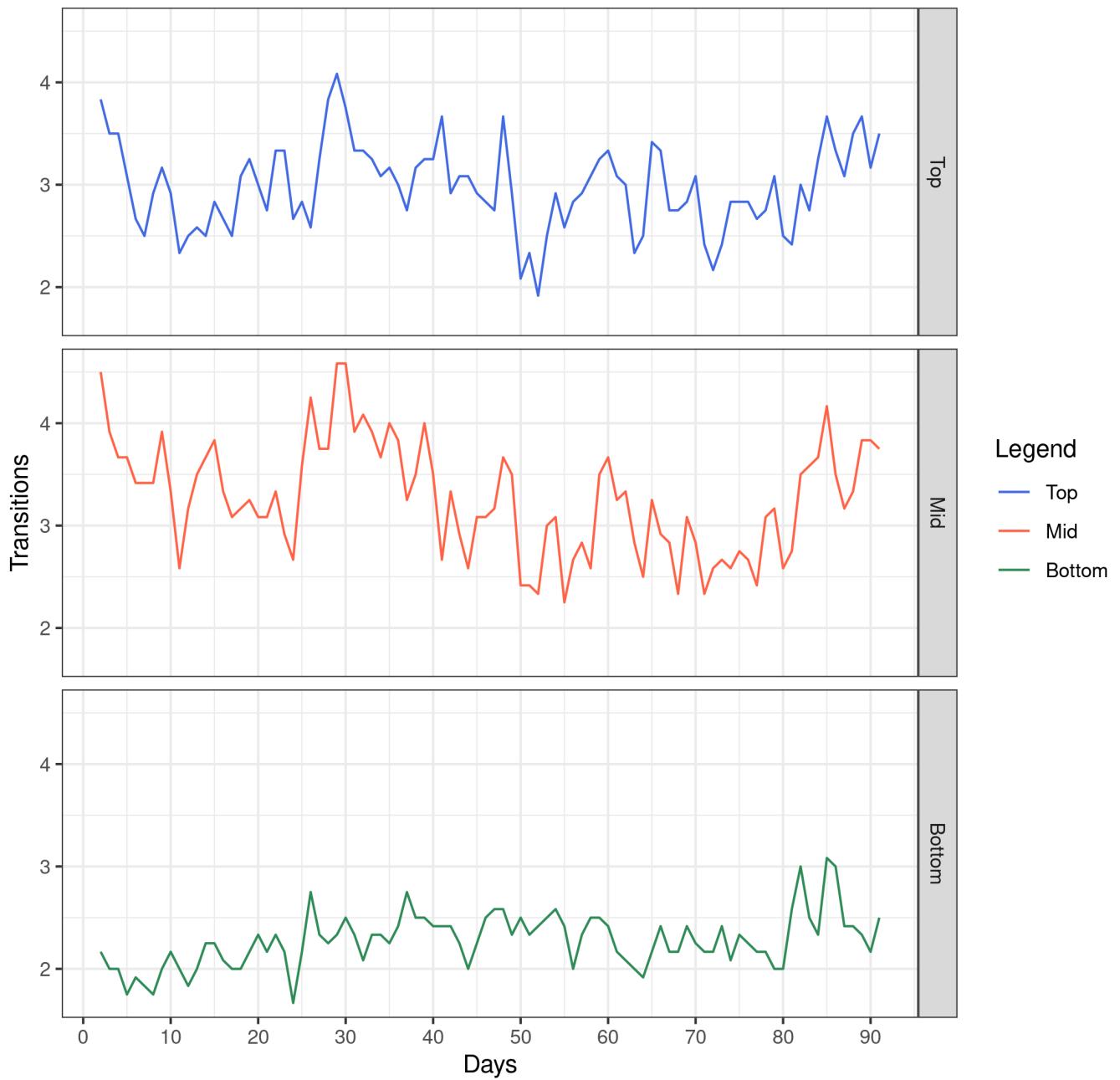
Organized IDs

low_act	med_act	high_act
6931	6886	6951
6936	6973	9017
6993	9012	6970
6928	6941	9020
6945	6923	9022

6996	6985	6913
6949	7000	6984
6961	6917	6982
6994	6979	
6997	9025	
6929	6940	
6939	6950	
	9023	
	6957	
	6964	
	9014	

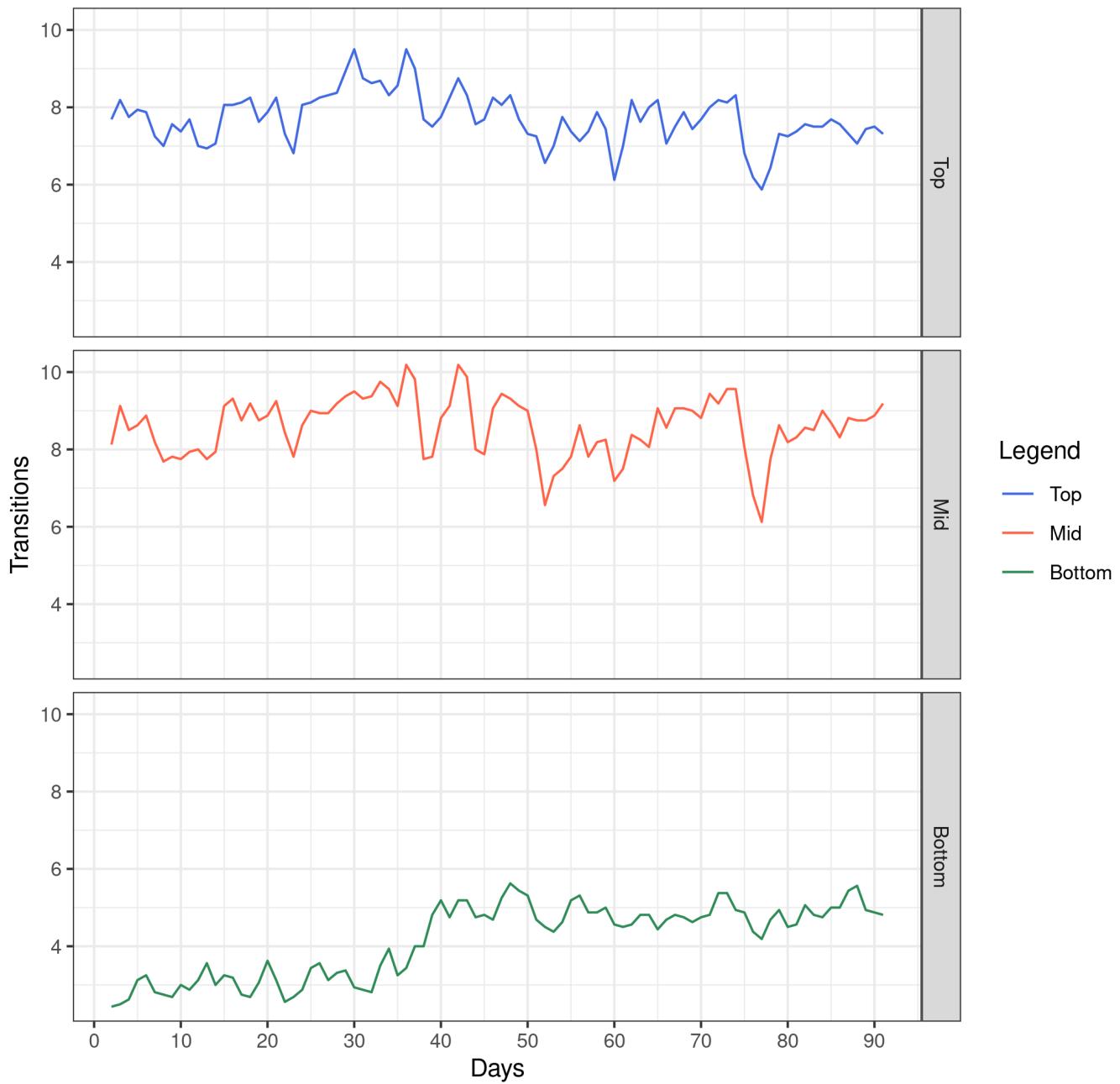
Low Activity Birds

Low Activity Birds Transitions for Room 8



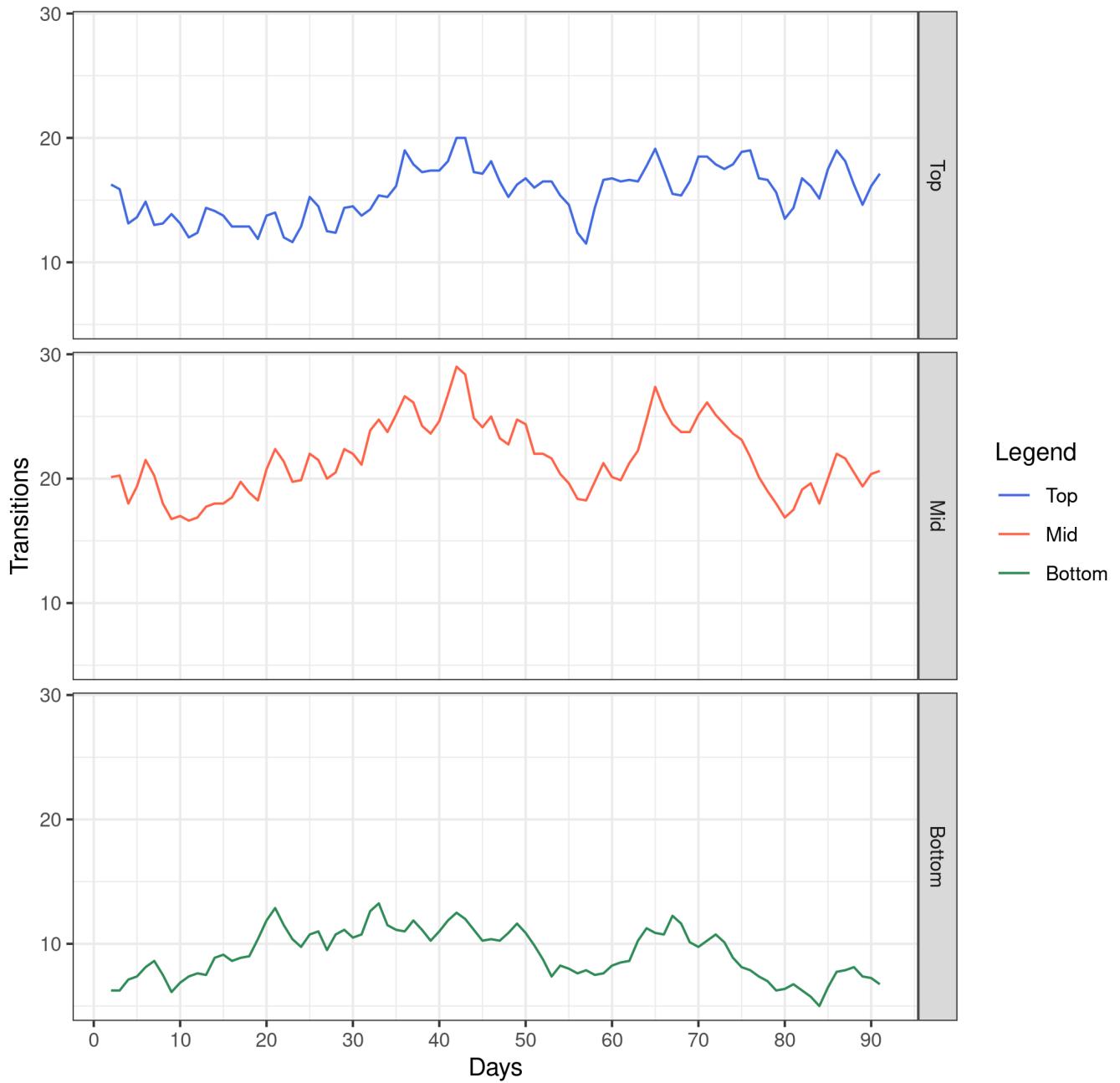
Medium Activity Birds

Medium Activity Birds Transitions Room 8



High Activity Birds

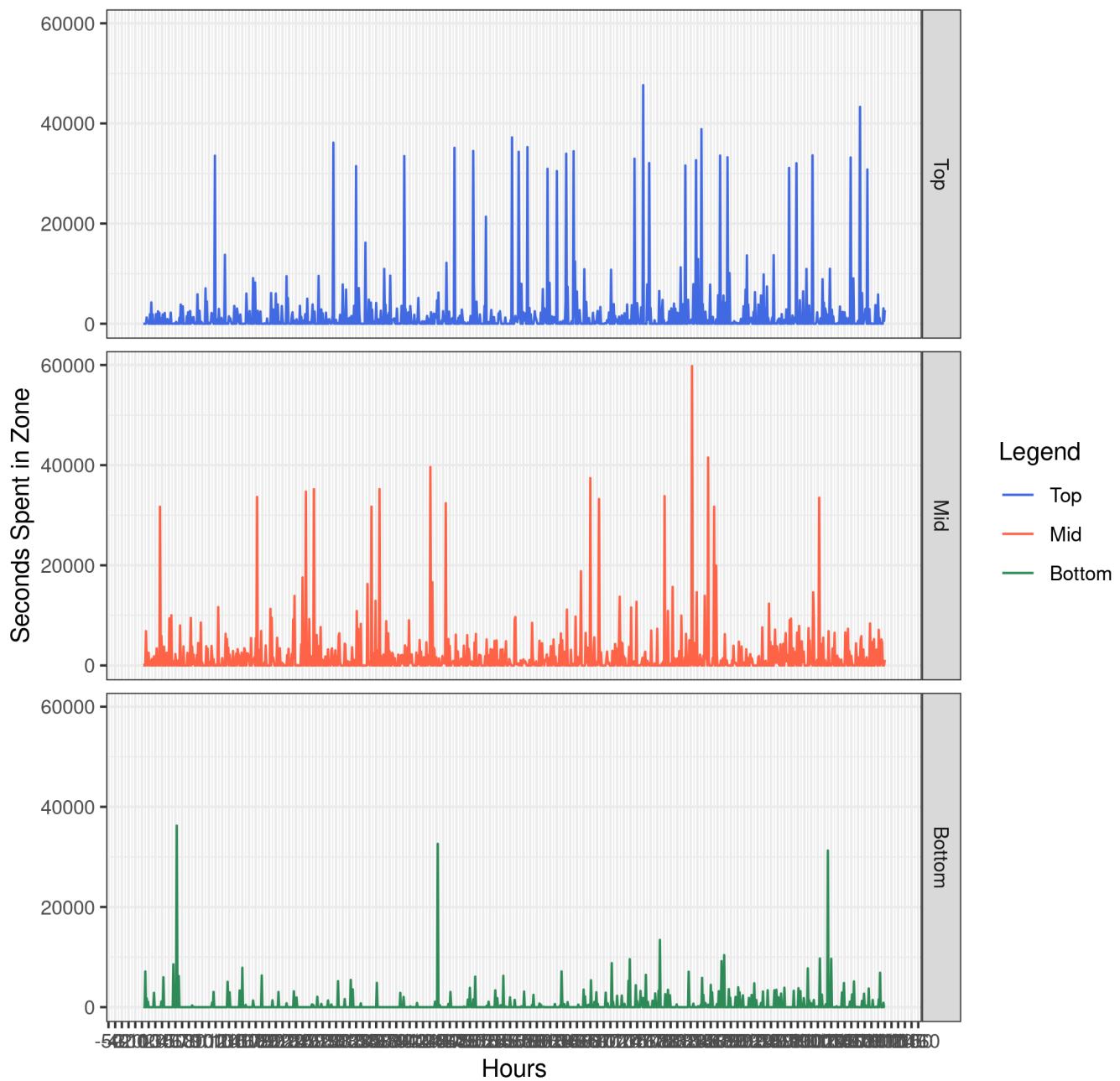
High Activity Birds Transitions in Room 8



Duration Plots

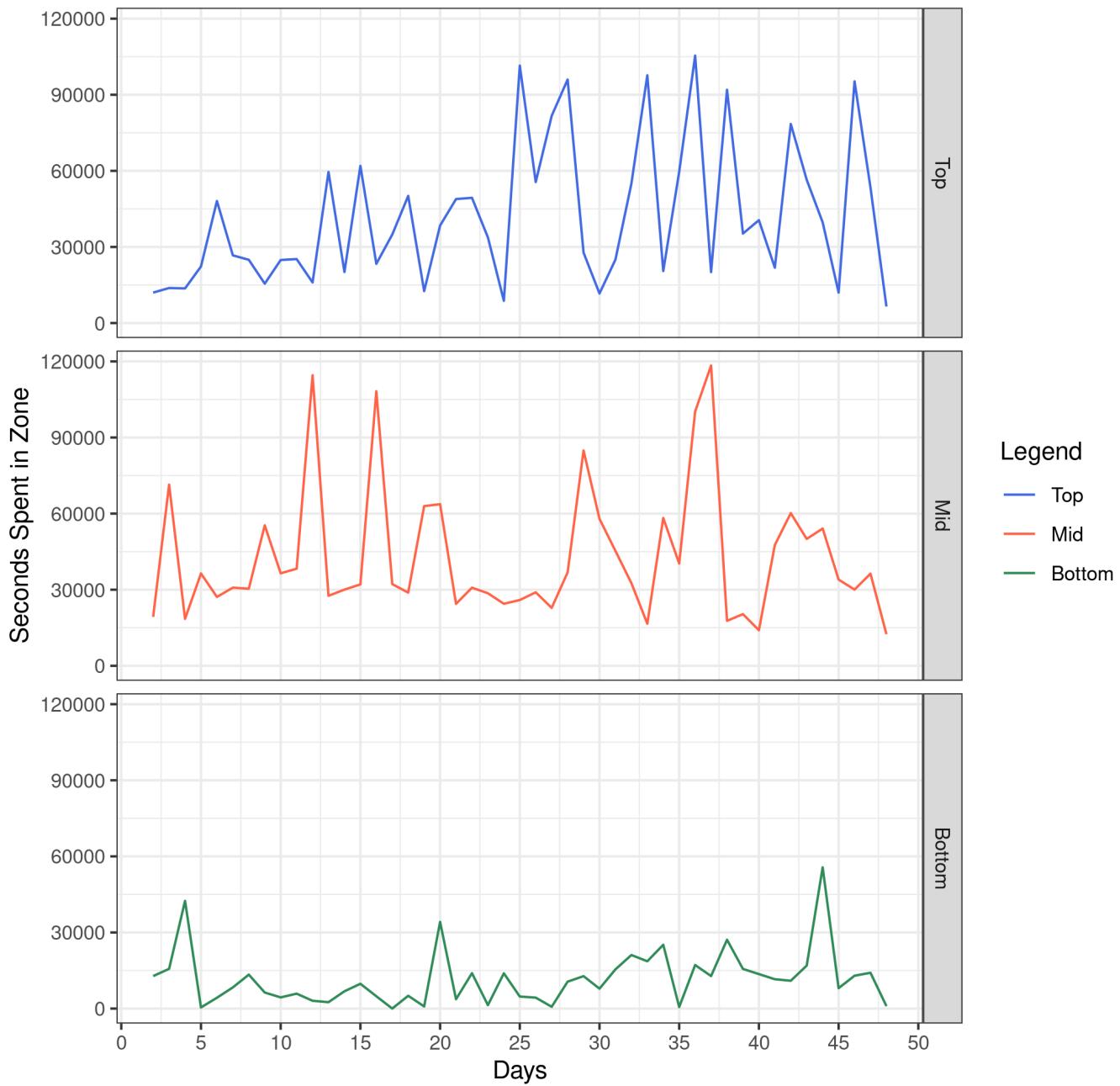
Transitions

Example Birds Transition Duration in Room 8



Transitions by day

Example Birds Transition Duration in Room 8



Room 11

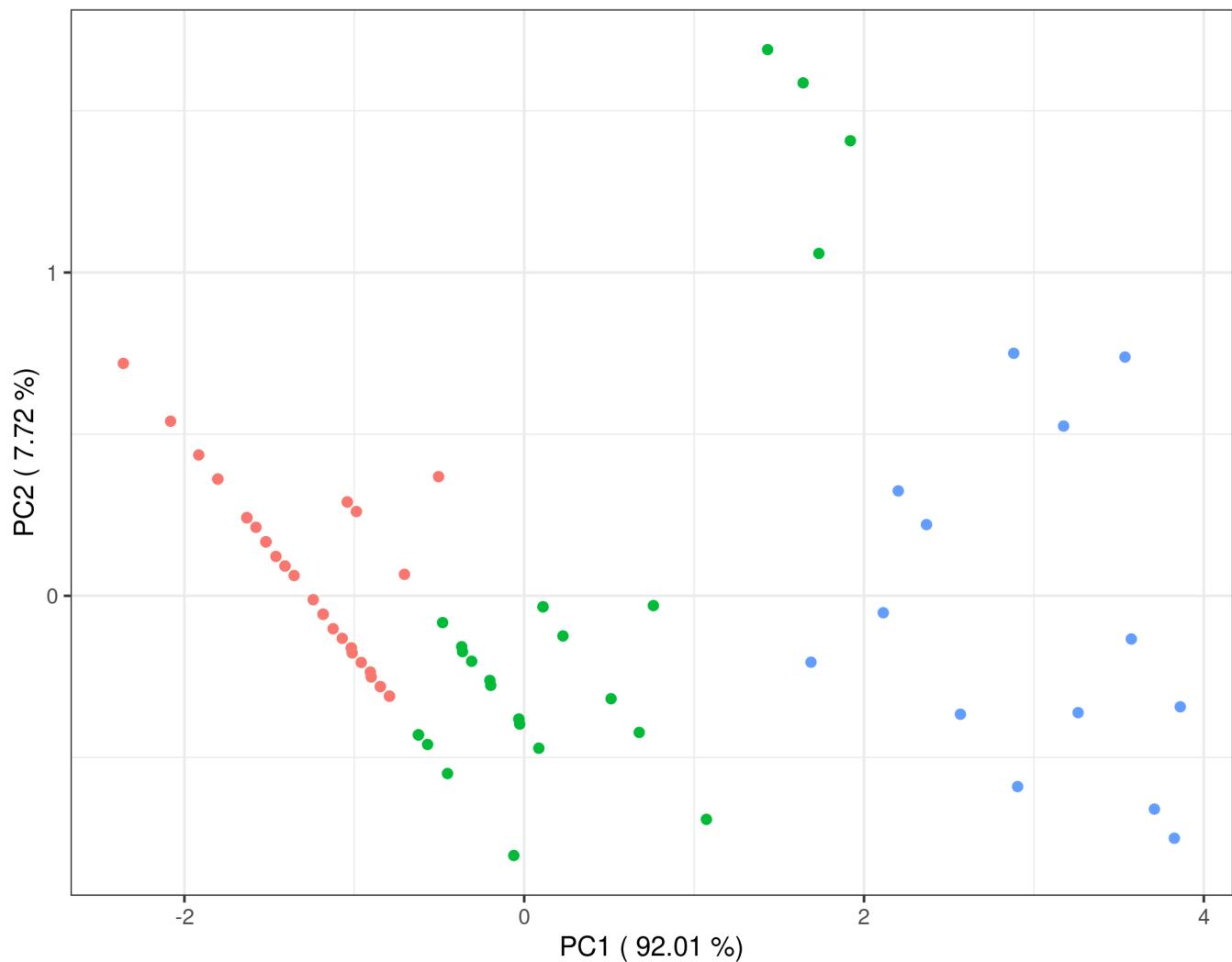
- Start Date: 02-18-2021 23:00
- End Date: 05-07-2021 16:00
- Days : 78 days
- Number of Birds: 36
- Most active bird: 9030
- Least active bird: 6990

Q1 transitions: 14

Q3 transitions: 37

Most Active Days PCA

Most Active Bird (9030)

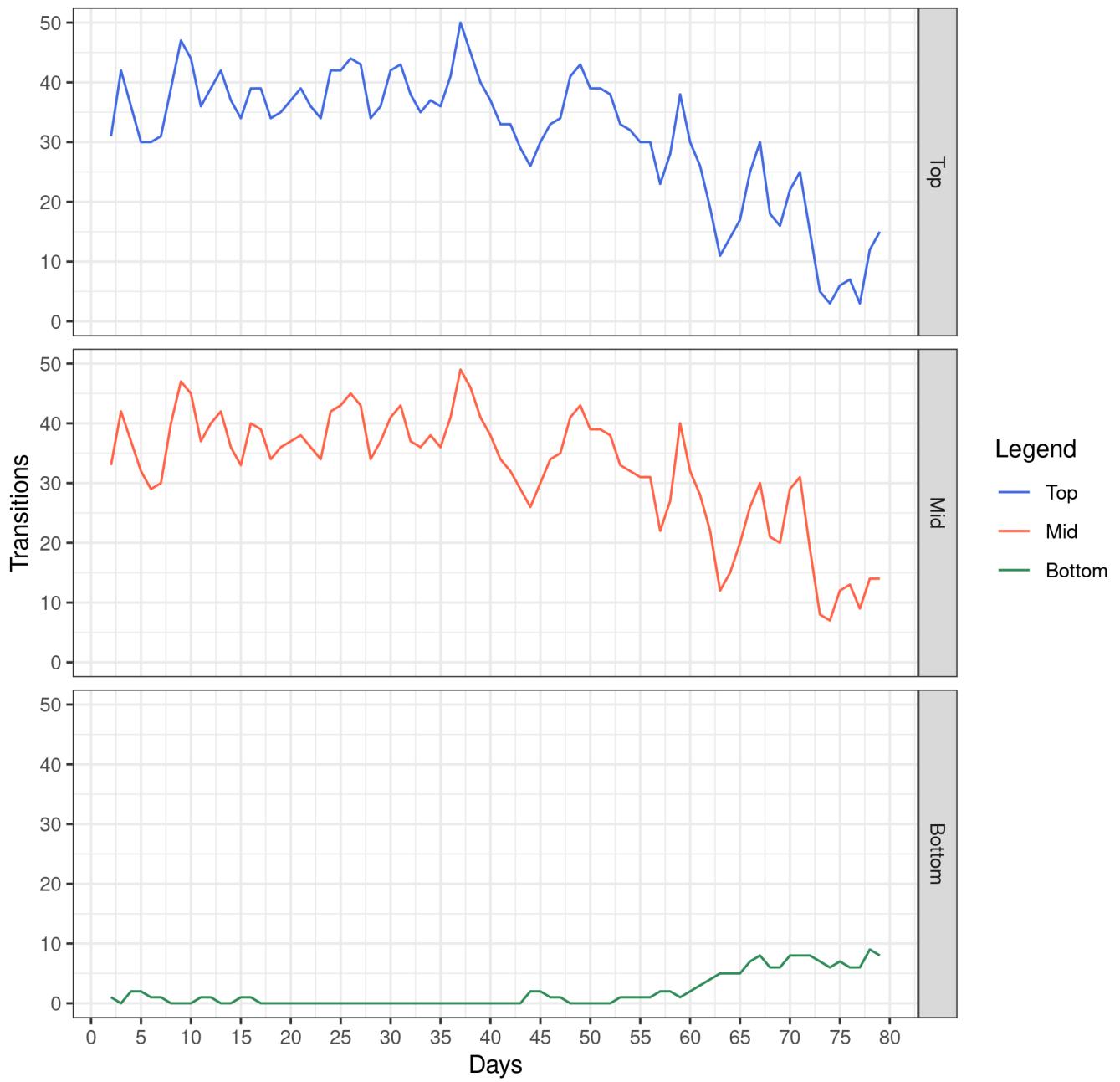


Days

- 3,4,8,9,10,11,12,13,14,16,17,19,20,21,22,24,25,26,27,29,30,31,32,33,34,35,36,37,38,39,40,48,49,50,51,52,59
- 2,5,6,7,15,18,23,28,41,42,43,44,45,46,47,53,54,55,56,57,58,60,61,66,67,70,71
- 62,63,64,65,68,69,72,73,74,75,76,77,78,79

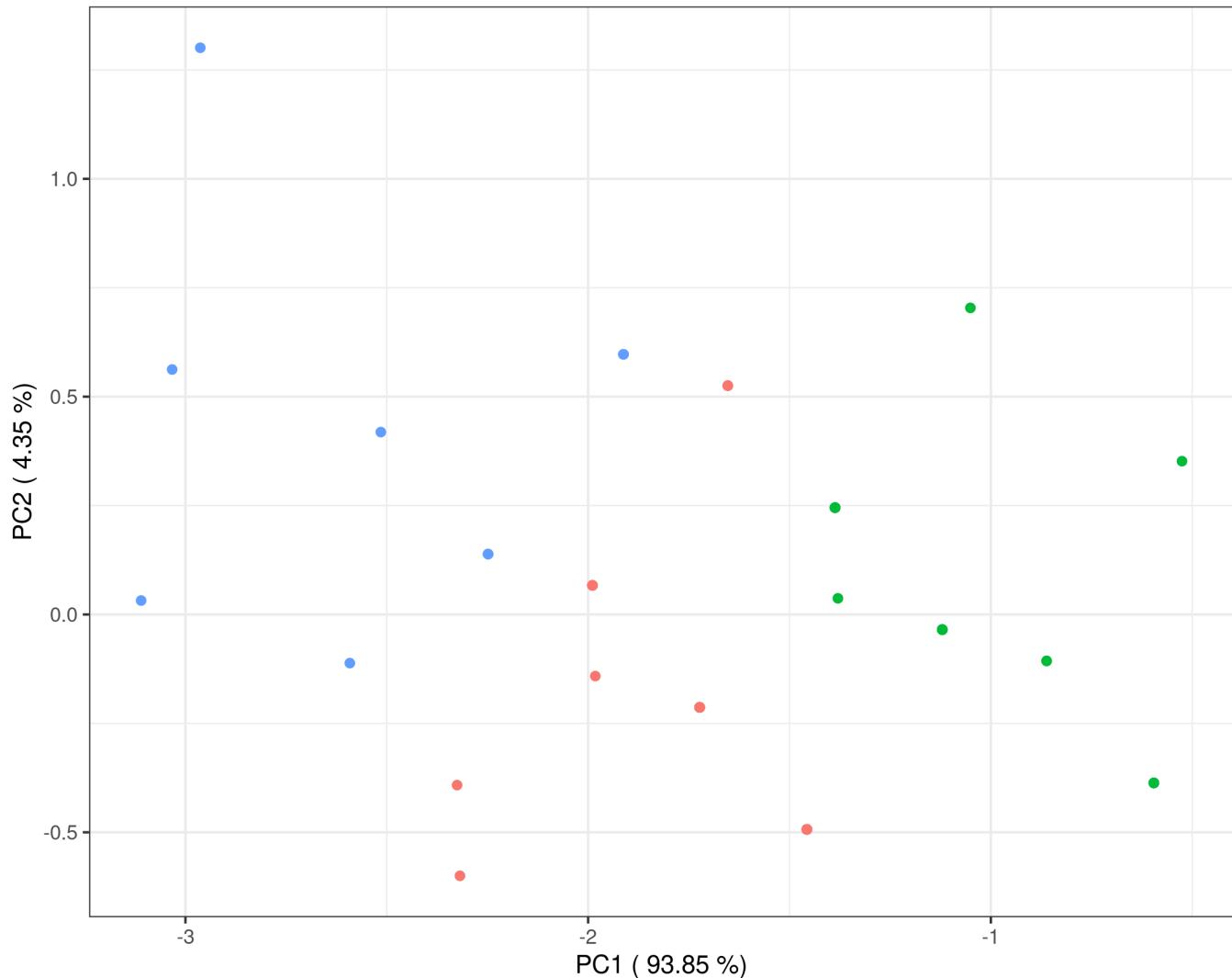
Most Active Transition Plot

Most Active Bird (9030) Transitions



Least Active Days PCA

Least Active Bird (6990)

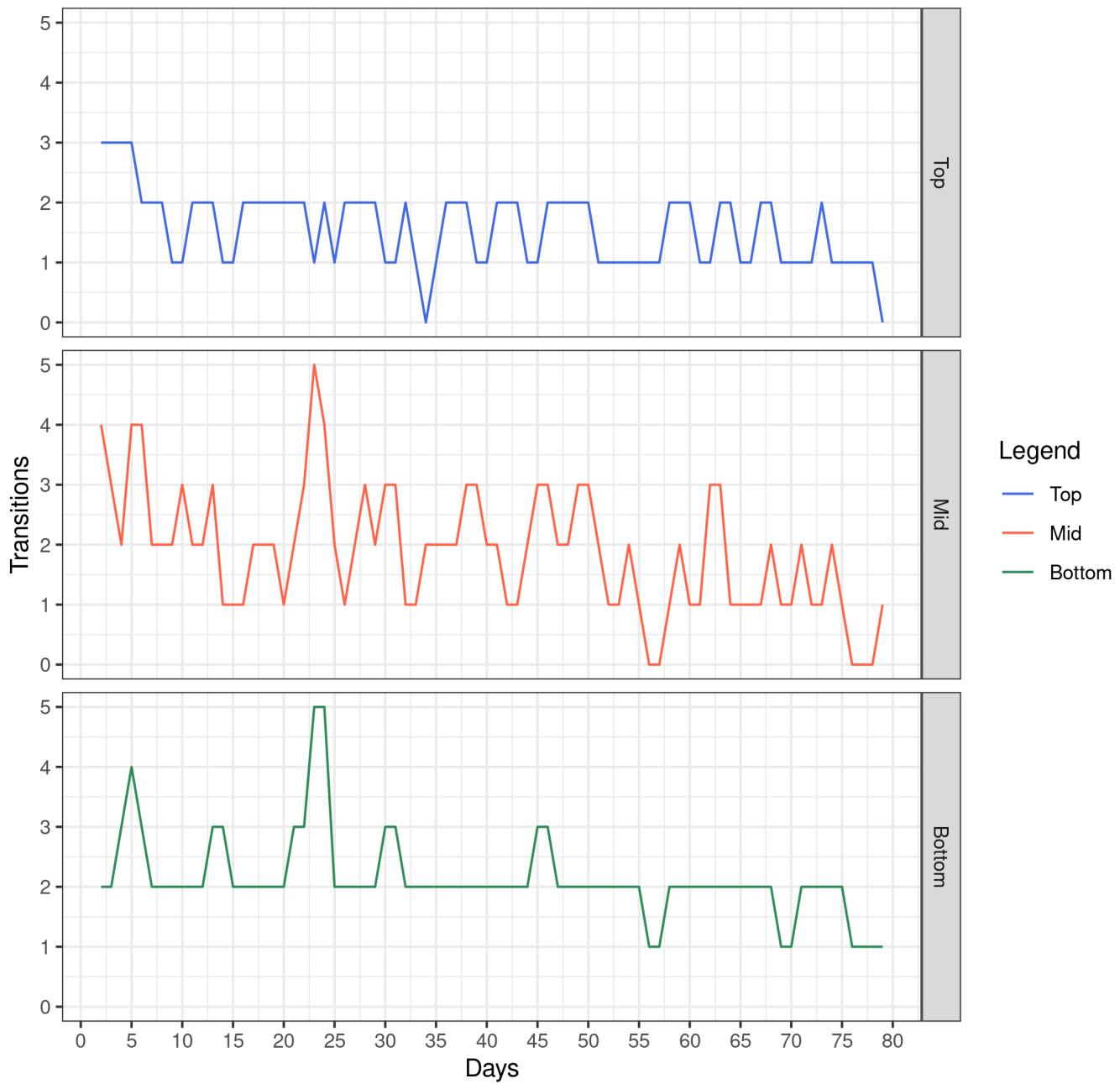


Days

- 3,4,7,8,10,11,12,16,17,18,19,20,21,26,27,28,29,32,36,37,38,39,41,42,43,47,48,49,50,58,59,60,62,63,64,67,68,73
- 9,14,15,25,33,34,35,40,44,51,52,53,54,55,56,57,61,65,66,69,70,71,72,74,75,76,77,78,79
- 2,5,6,13,22,23,24,30,31,45,46

Least Active Transition Plot

Least Active Bird (6990) Transitions



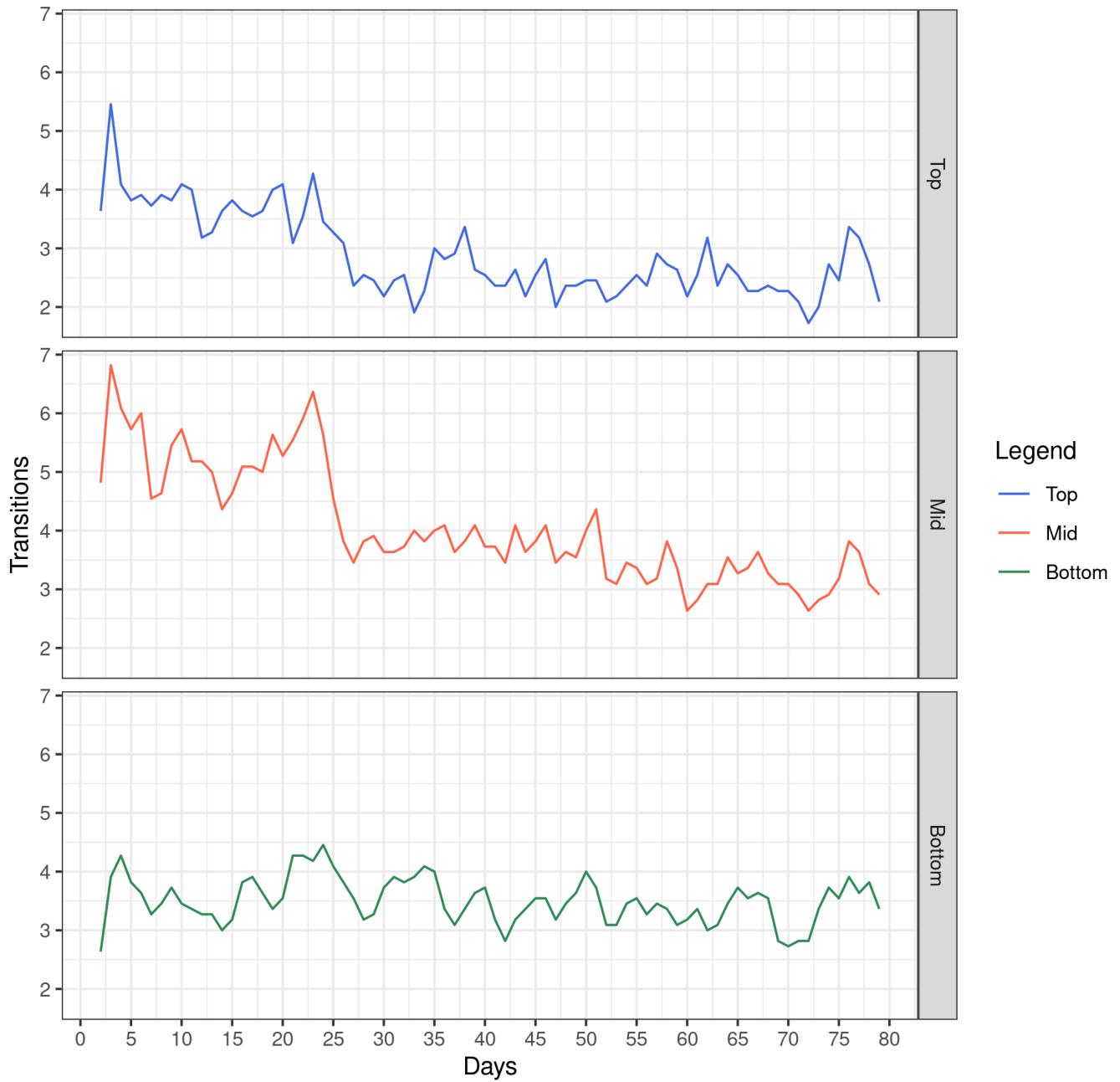
Organized IDs

low_act	med_act	high_act
6916	6965	9030
6932	9054	9002
9047	9003	6853
9049	6999	9041
9052	9035	9056

9053	9038	6904
9043	9044	9045
9042	9007	9061
9046	9027	
9032	9048	
6990	9058	
	9006	
	9033	
	9015	
	9050	
	9055	
	9023	

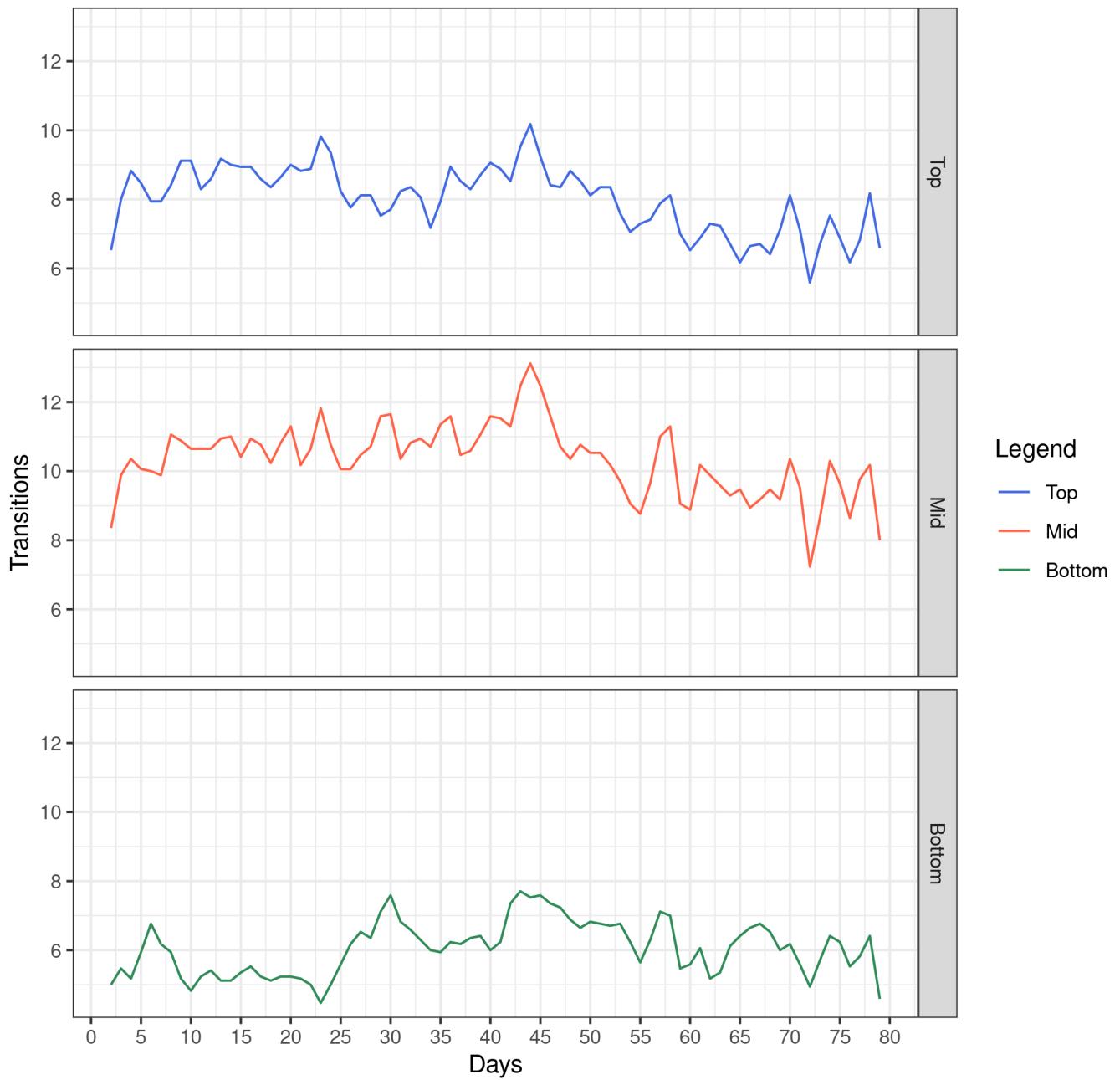
Low Activity Birds

Low Activity Birds Transitions Room 11



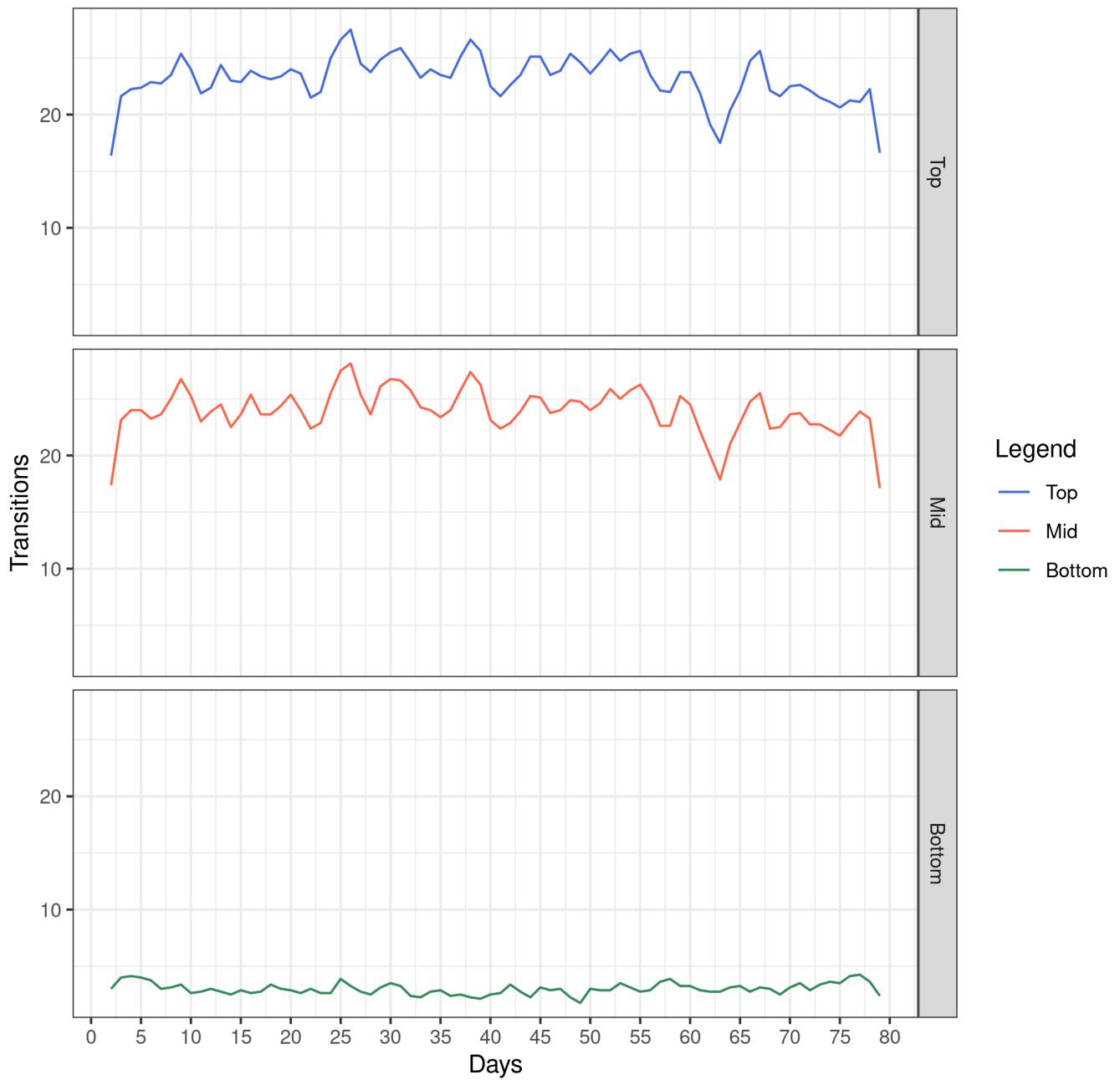
Medium Activity Birds

Medium Activity Birds Transitions in Room 11



High Activity Birds

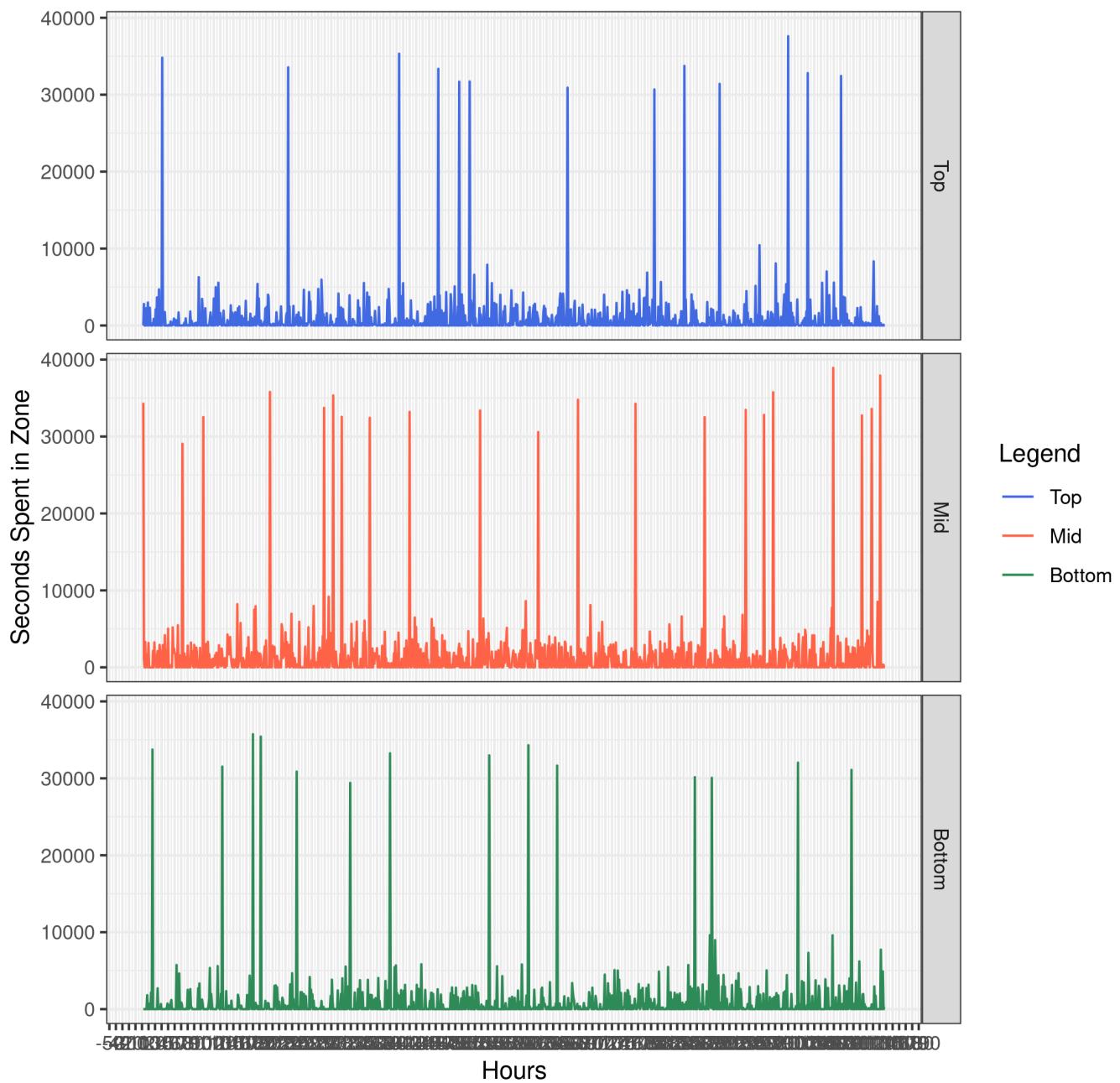
High Activity Birds Transitions in Room 11



Duration Plots

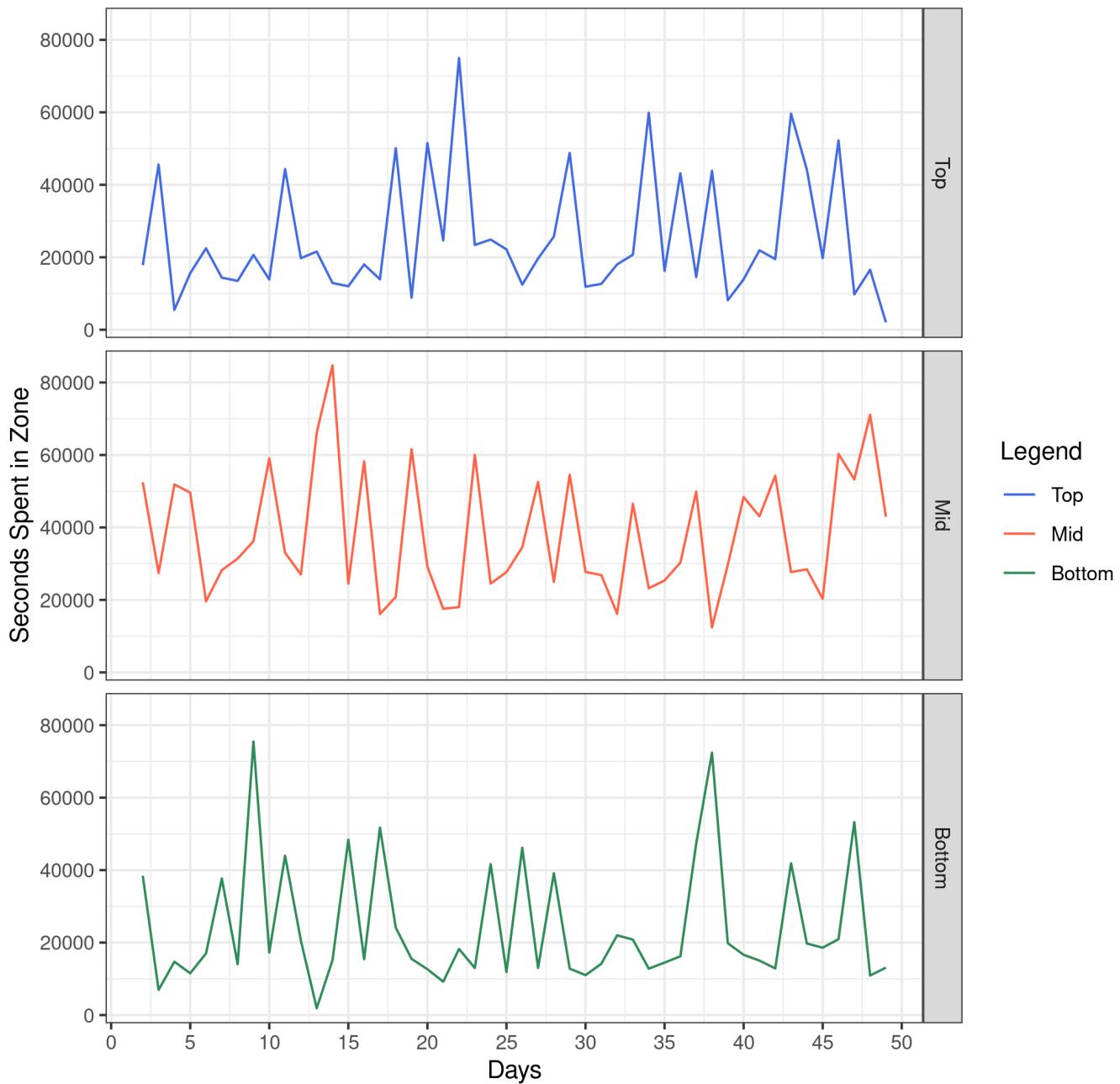
Transitions

Example Birds Transition Duration in Room 11



Transitions by day

Example Birds Transition Duration in Room 11



Concatenated Dataset

All Rooms

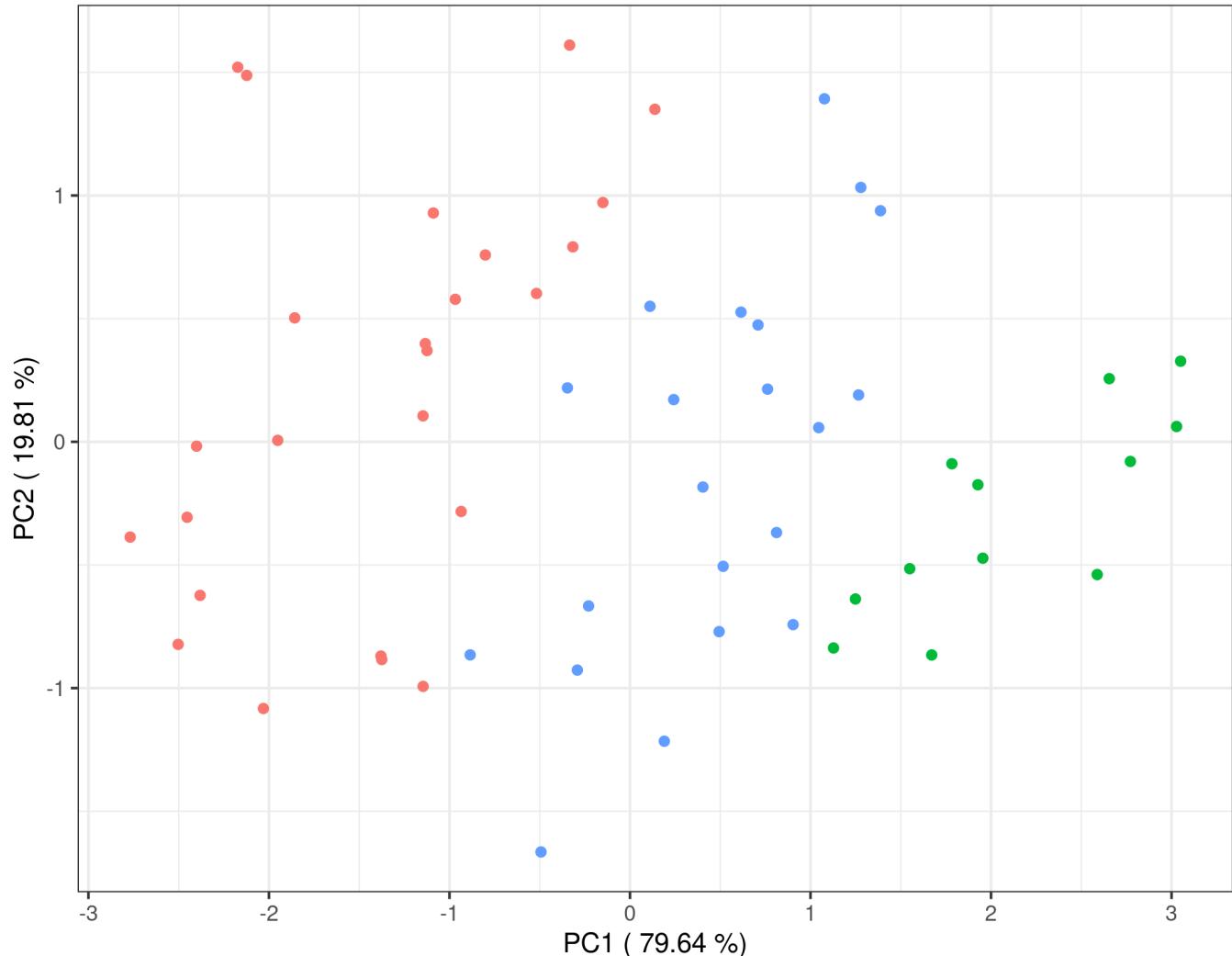
- Start Date: 03-09-2021 20:00
- End Date: 05-06-2021 23:00
- Days: 58
- Number of Birds: 137
- Most active bird: 6951
- Least active bird: 6990

Q1 transitions: 11

Q3 transitions: 31

Most Active Days PCA

Most Active Bird (6951)



Weeks

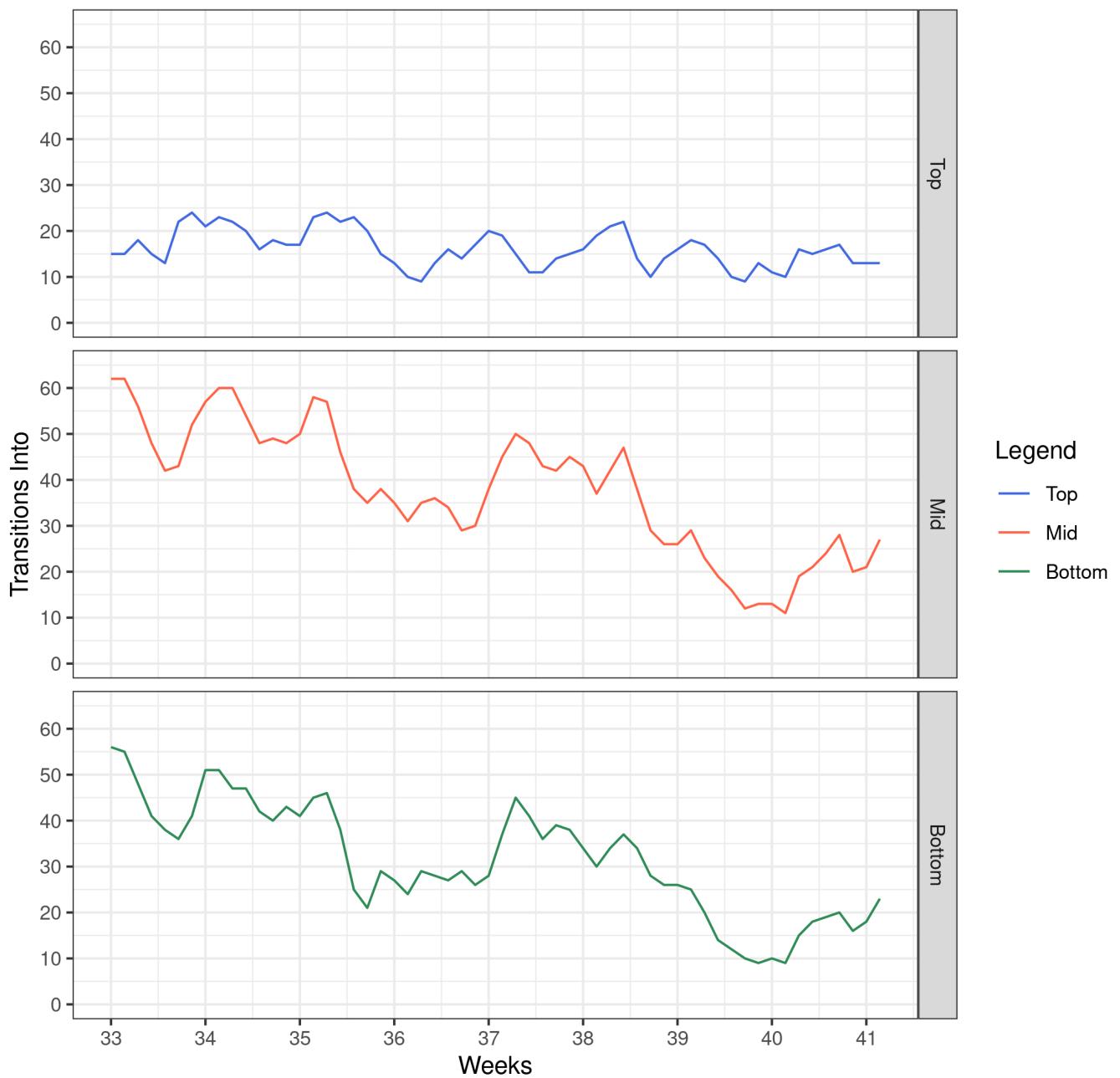
● 33,33,33,34,34,34,34,34,34,34,34,35,35,35,35,35,35,35,36,37,37,38,38,38,38,39

● 39,40,40,40,40,40,40,41,41,41,41

● 36,36,36,36,36,36,37,37,37,37,37,38,38,38,39,39,39,39,41,41

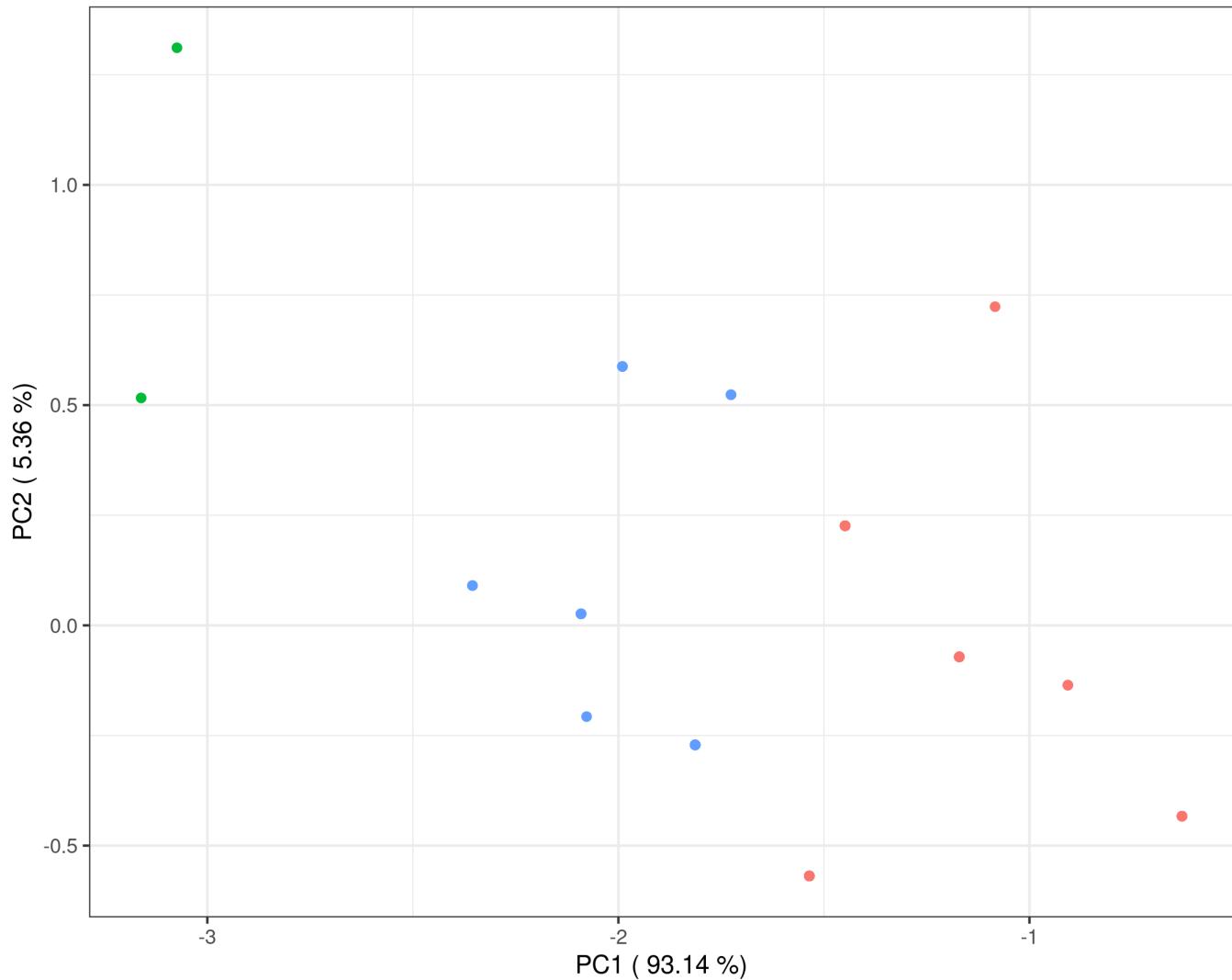
Most Active Transition Plot

Most Active Bird (6951) Transitions



Least Active Days PCA

Least Active Bird (6990)

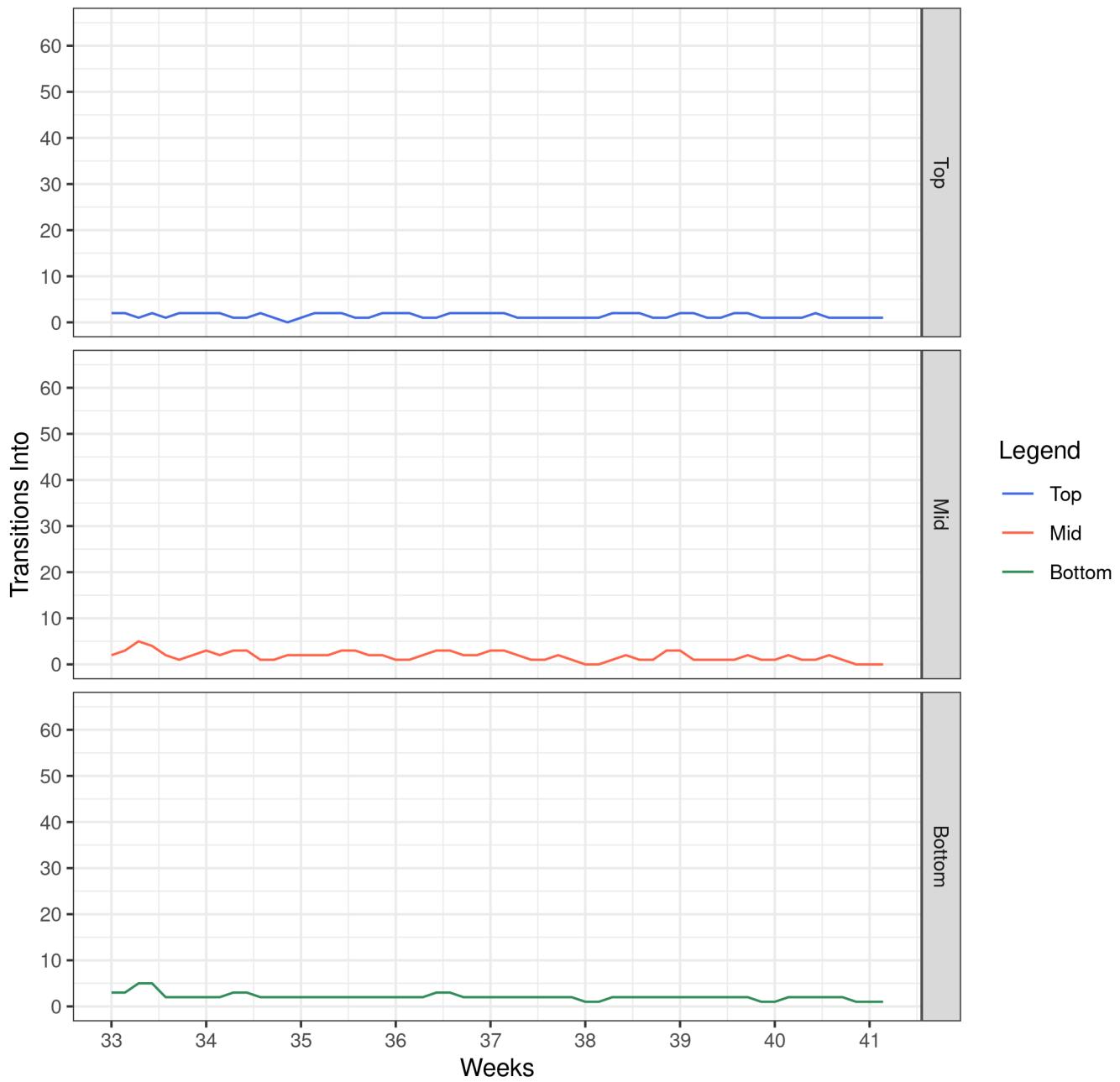


Weeks

- 34,34,35,35,35,35,36,36,36,36,37,38,38,38,38,38,38,39,39,39,39,40,40,40,40,40,41,41,41,41,41,41
 - 33,34
 - 33,33,34,34,34,34,35,35,35,36,36,36,37,37,37,37,37,37,39,39,39,40

Least Active Transition Plot

Least Active Bird (6990) Transitions



Organized IDs

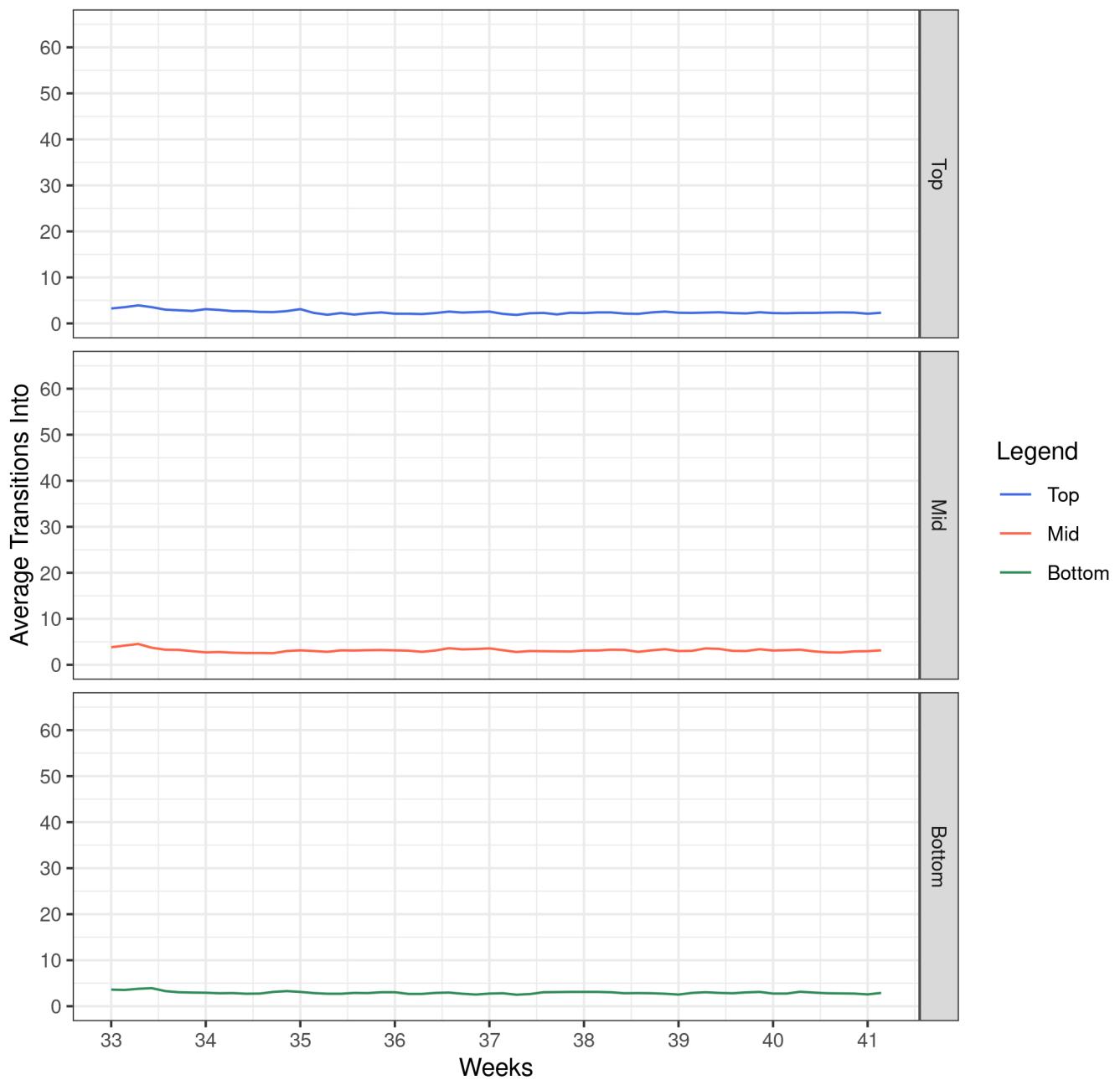
low_act	med_act	high_act
6860	6941	6951
6971	6903	6926
6964	6999	9002
9014	9012	9021
6958	6872	9030

6986	6981	6970
6993	6982	9017
9047	9003	9041
9053	9035	6901
9024	6855	6853
6928	6923	9020
6931	9044	9056
6942	6962	6904
6983	6975	9022
6945	9027	9045
6961	9038	6956
6994	9007	6984
6997	6890	6965
9042	6937	9061
9043	9026	6913
9046	6985	9054
6909	6877	6919
6988	6925	6960
6939	6935	6973
6996	6978	9005
9032	7000	6886
6929	9033	
6990	9006	
	9048	
	9055	
	9019	
	9058	
	6946	
	6955	

	6940	
	6979	
	6989	
	9001	
	9050	
	9023	
	6911	
	6952	
	9025	
	9015	
	6917	
	6950	
	9023	
	6957	
	6916	
	6932	
	9049	
	9052	
	6908	

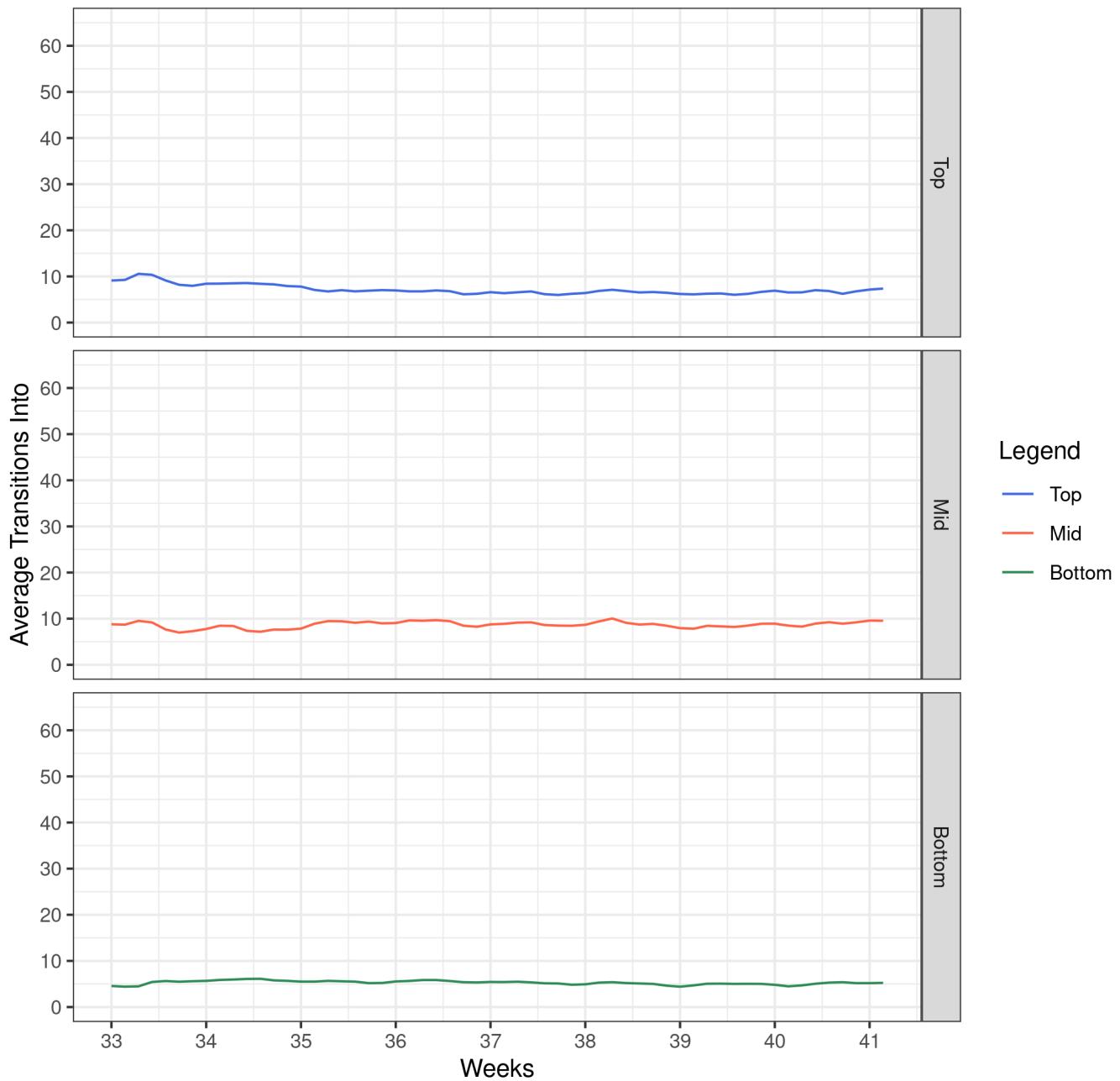
Low Activity Birds

Low Activity Birds Transitions (20.44%; n=137)



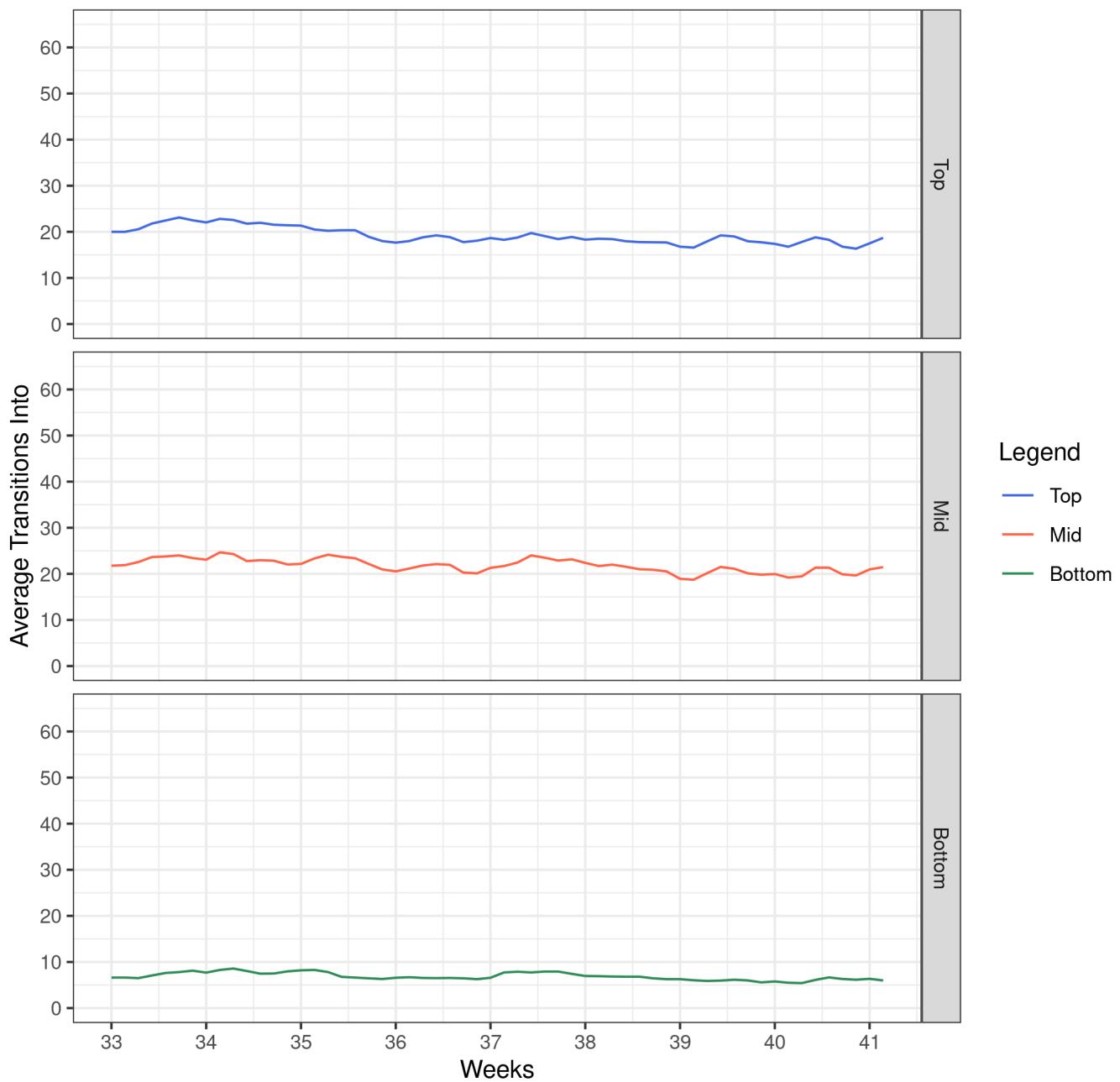
Medium Activity Birds

Medium Activity Birds Transitions (38.69%; n=137)



High Activity Birds

High Activity Birds Transitions (18.98%; n=137)



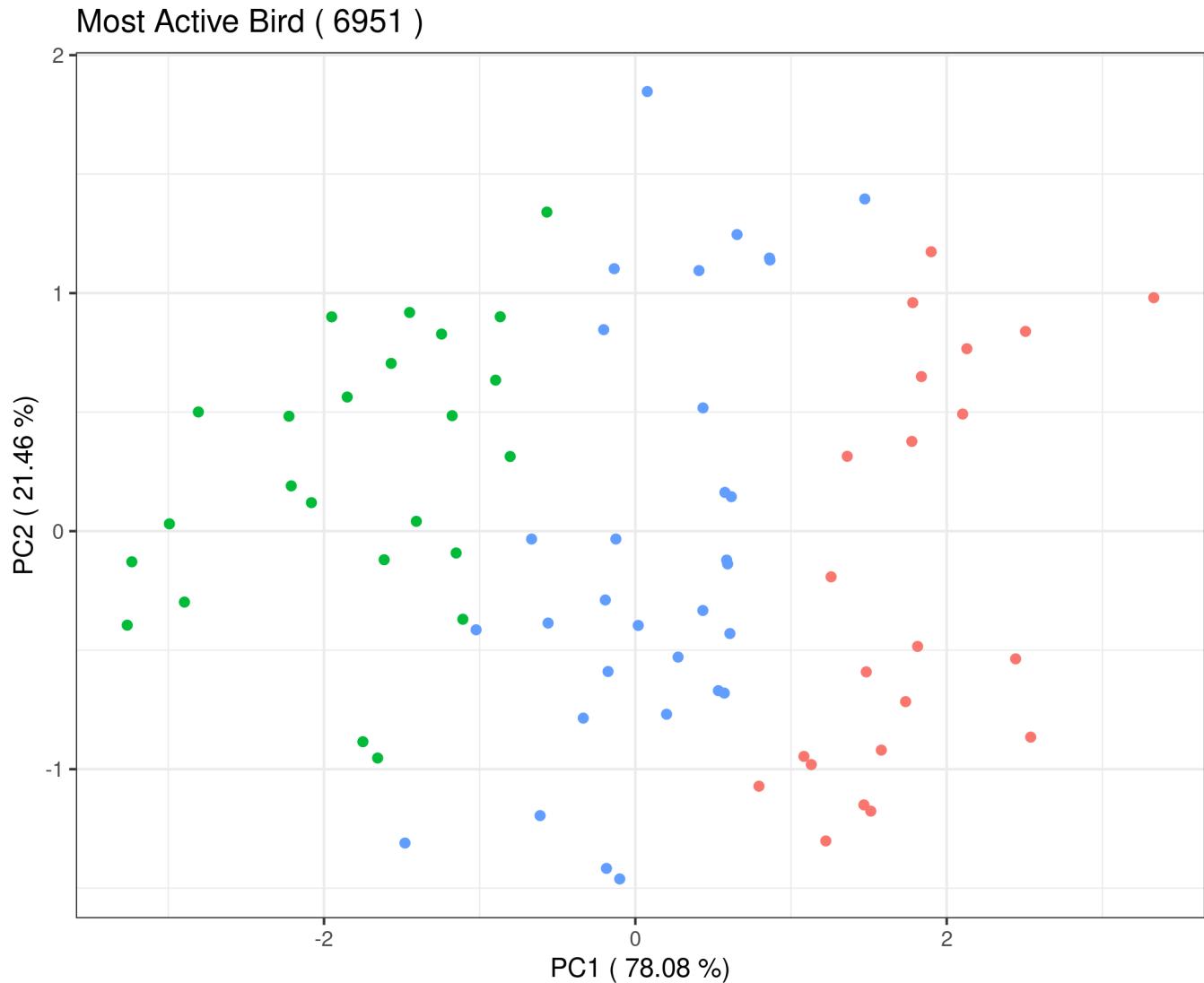
No Room 3

- Start Date: 02-18-2021 23:30
- End Date: 05-06-2021 23:00
- Days: 77
- Number of Birds:
- Most active bird: 6951
- Least active bird: 6990, 6929, 6939

Q1 transitions: 12

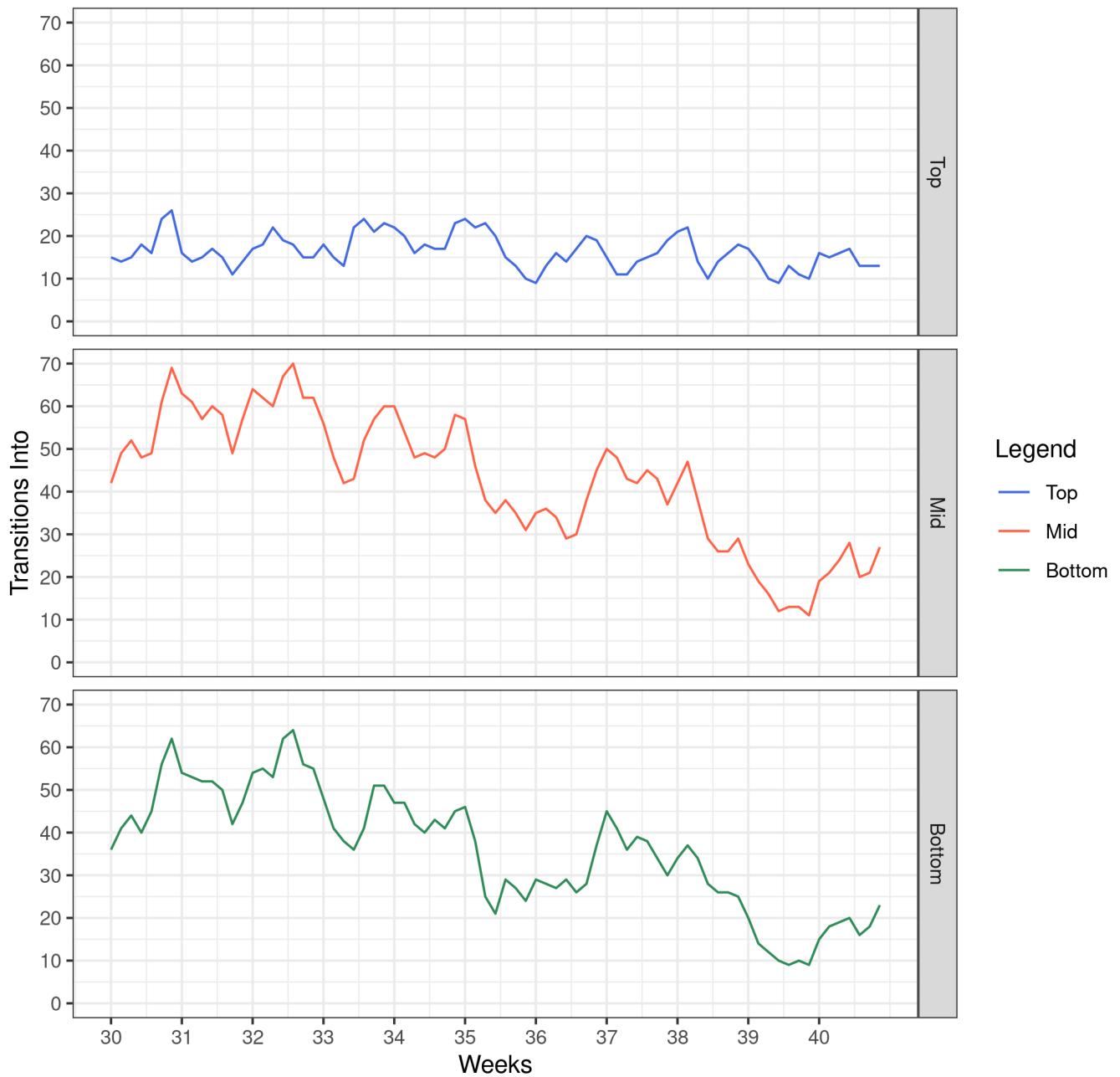
Q3 transitions: 30

Most Active Days PCA



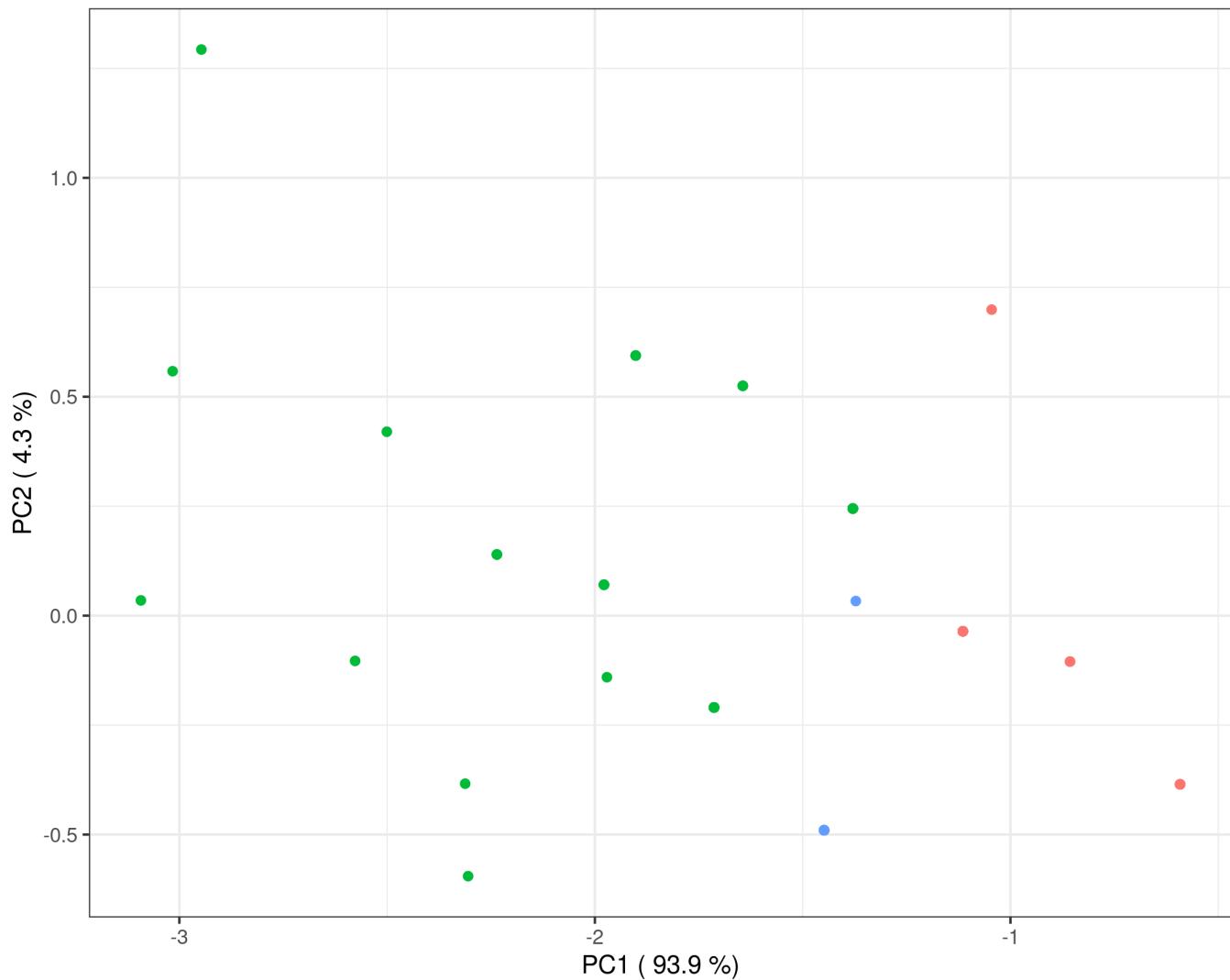
Most Active Transition Plot

Most Active Bird (6951) Transitions



Least Active Days PCA

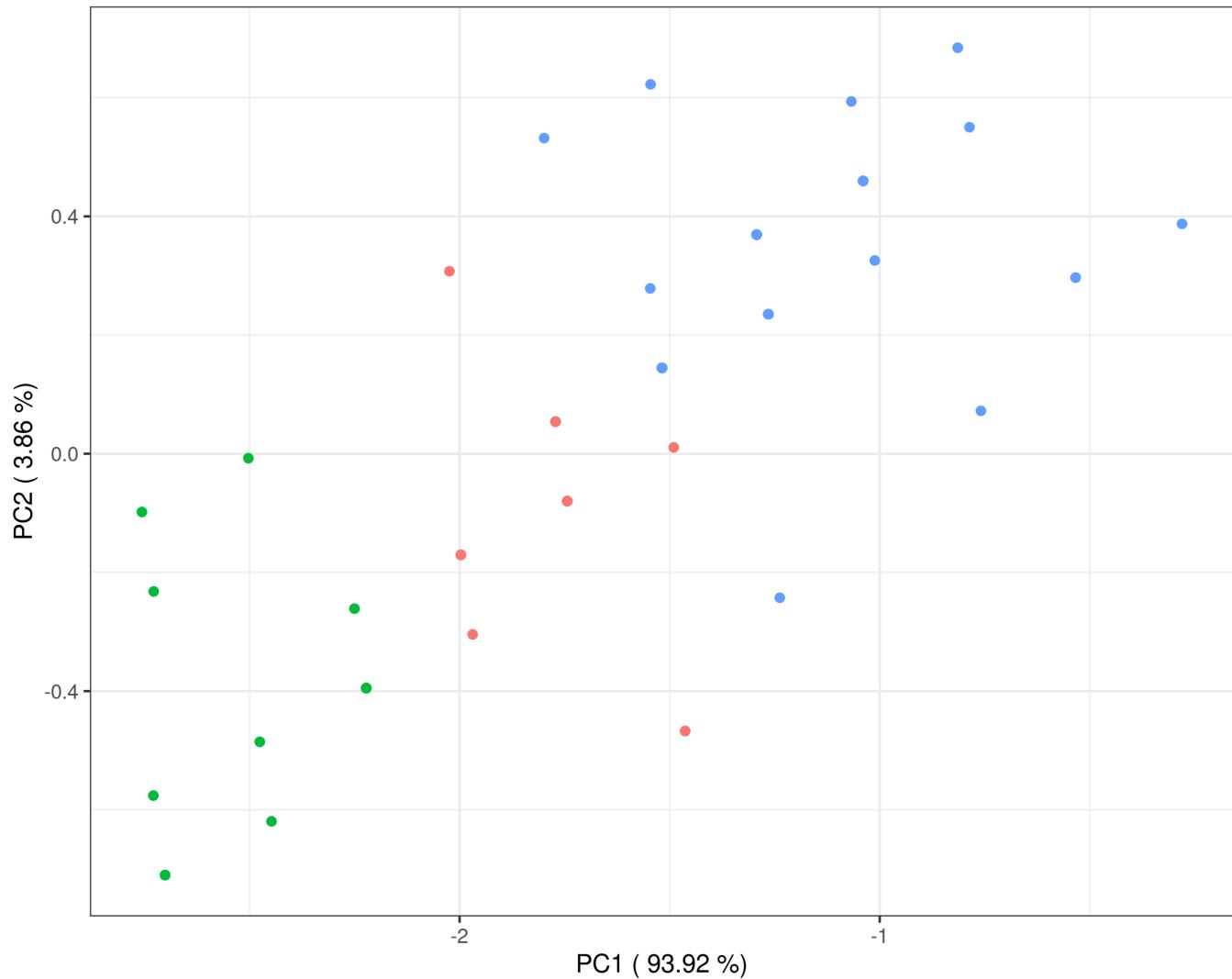
Least Active Bird (6990)



Weeks

- 32,35,38,38,38,38,38,39,39,40,40,40,40,41,41,41,41
- 30,31,31,31,31,31,31,32,32,32,33,33,33,33,33,34,34,34,34,34,34,35,35,35,35,36,36,36,36,36,37,37,37,37,37,37,37,38,39,39,39,40
- 32,32,33,34,35,36,36,38,39,39,40,41

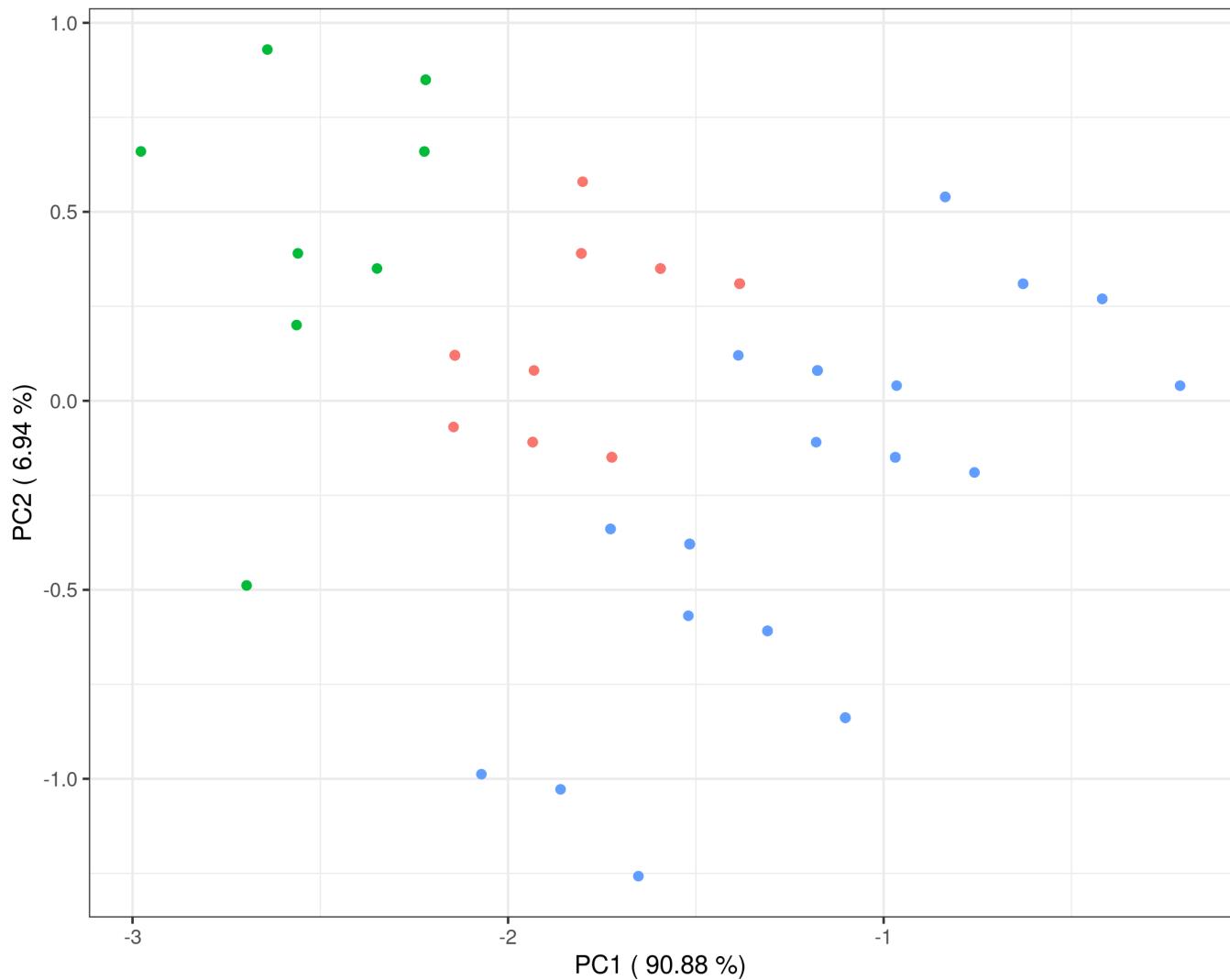
Least Active Bird (6929)



Weeks

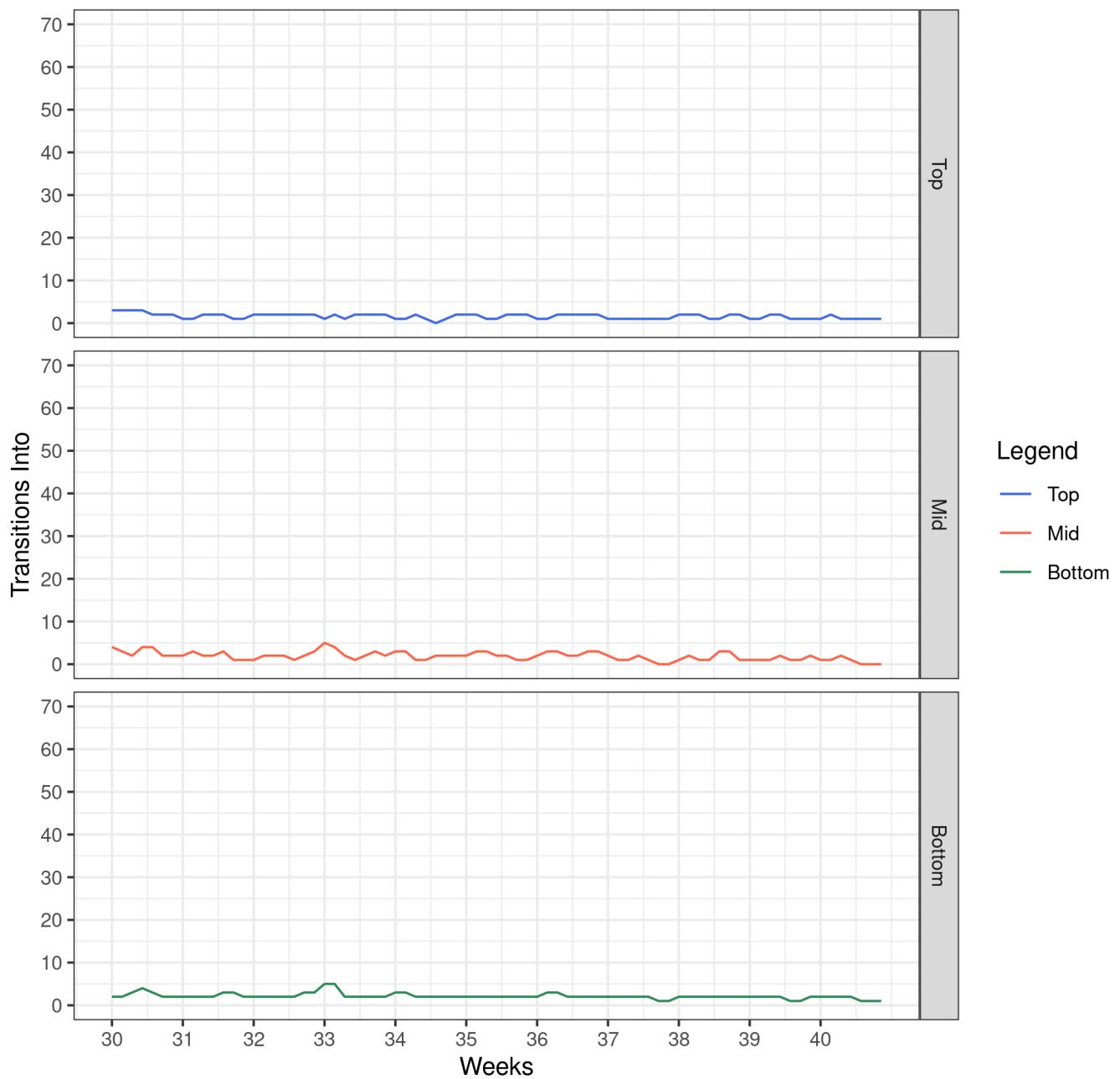
- 31,32,32,32,33,33,33,34,34,35,35,35,37,37,37,37,40,40,41
- 33,33,35,35,35,35,38,38,38,38,38,39,40,41
- 30,31,31,31,31,31,31,32,32,32,32,33,33,34,34,34,34,35,36,36,36,36,36,36,36,37,37,37,37,38,38,38,39,39,39,39,39,40,40,40,41,41

Least Active Bird (6939)

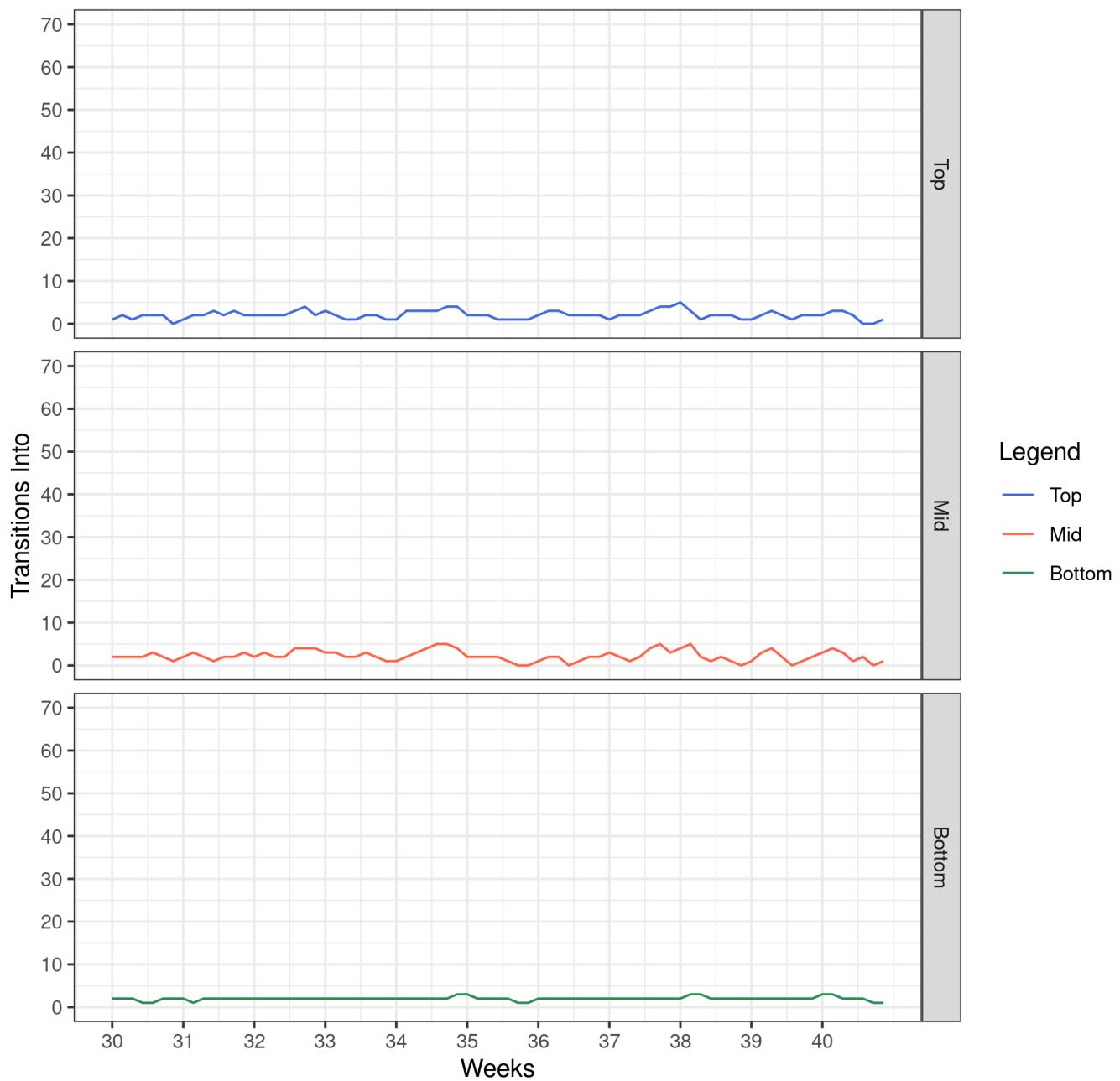


Least Active Transition Plot

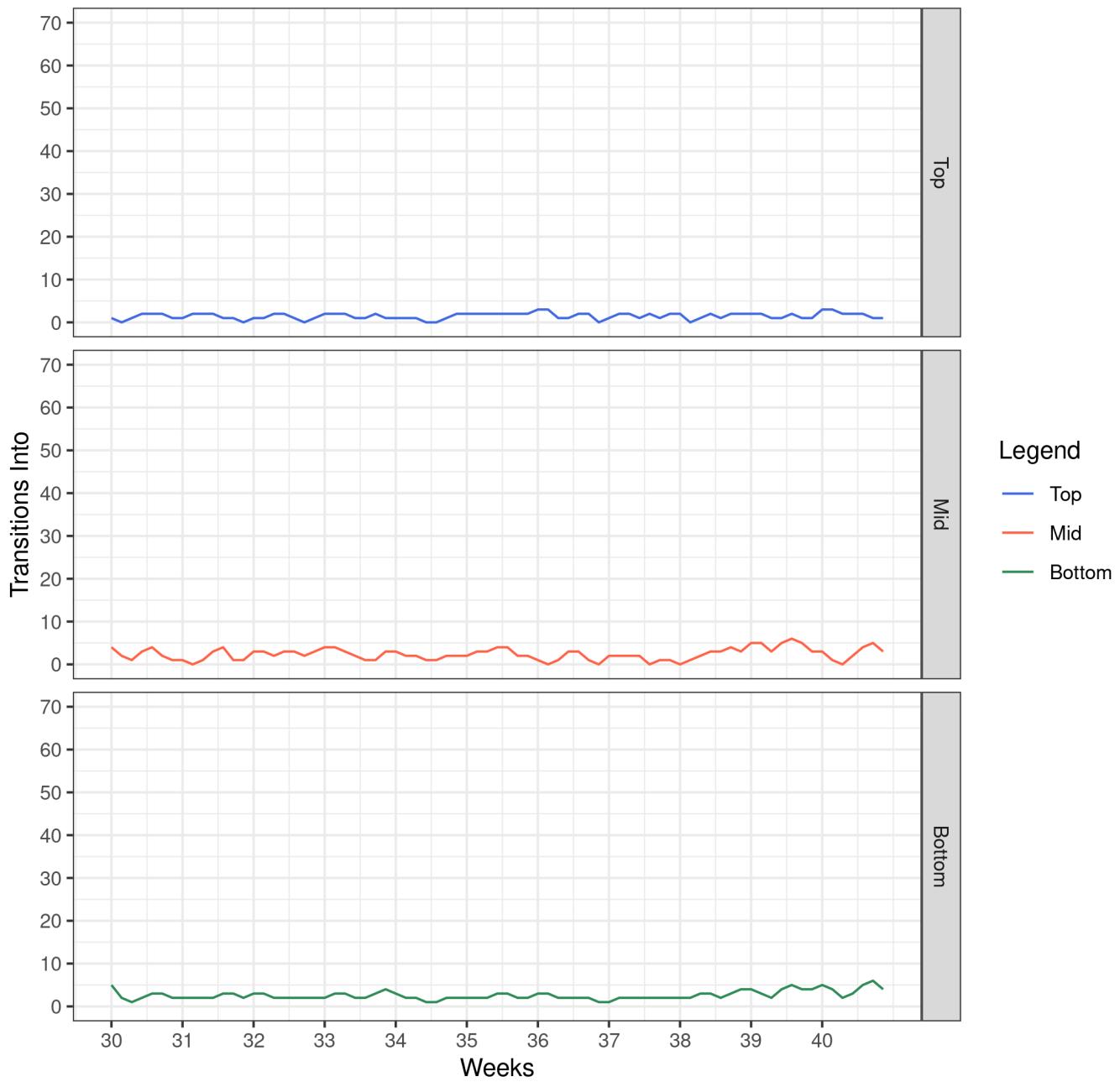
Least Active Bird (6990) Transitions



Least Active Bird (6929) Transitions



Least Active Bird (6939) Transitions



Organized IDs

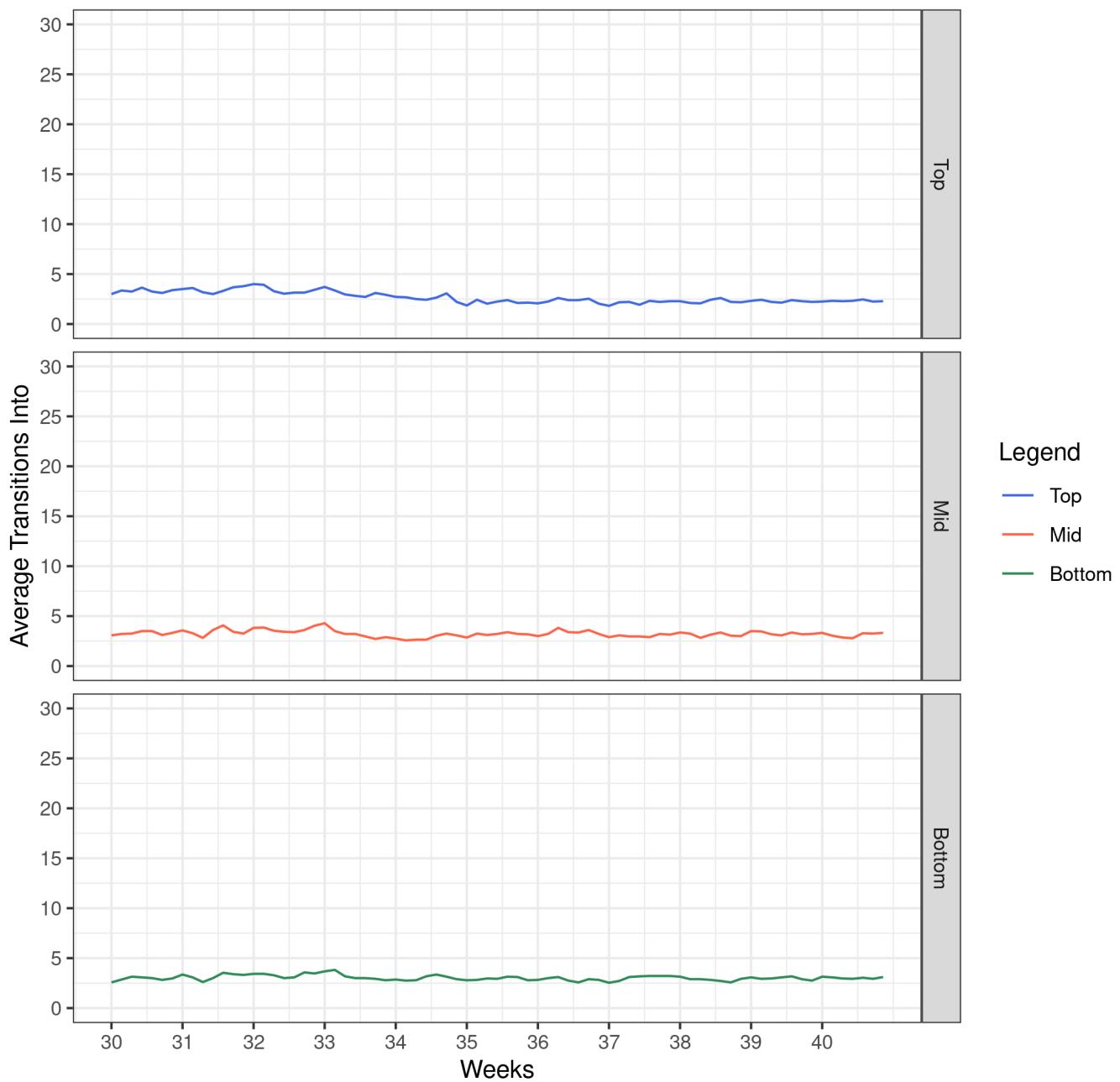
low_act	med_act	high_act
6958	6925	6951
6964	6981	6926
9014	6941	9030
6860	6982	9002
6971	6999	9021

6986	9003	9017
6993	6903	6901
9052	9012	6853
6931	9035	9041
9053	9038	6970
6942	6872	9056
9024	6962	6904
6928	6923	9020
9043	9044	9045
6983	9007	9022
6988	6855	6960
6945	6946	9061
6961	6975	9005
6994	6937	6965
6996	6985	6956
9042	6877	6913
9046	6890	9054
6909	6978	6919
6997	9027	6984
9032	6935	6973
6929	6955	6886
6939	9019	
6990	9026	
	7000	
	9006	
	9048	
	9058	
	9033	
	9001	

	6989	
	6940	
	6979	
	9015	
	9050	
	9055	
	6911	
	6952	
	6917	
	9023	
	9025	
	6950	
	6908	
	9023	
	6916	
	6932	
	9047	
	9049	
	6957	

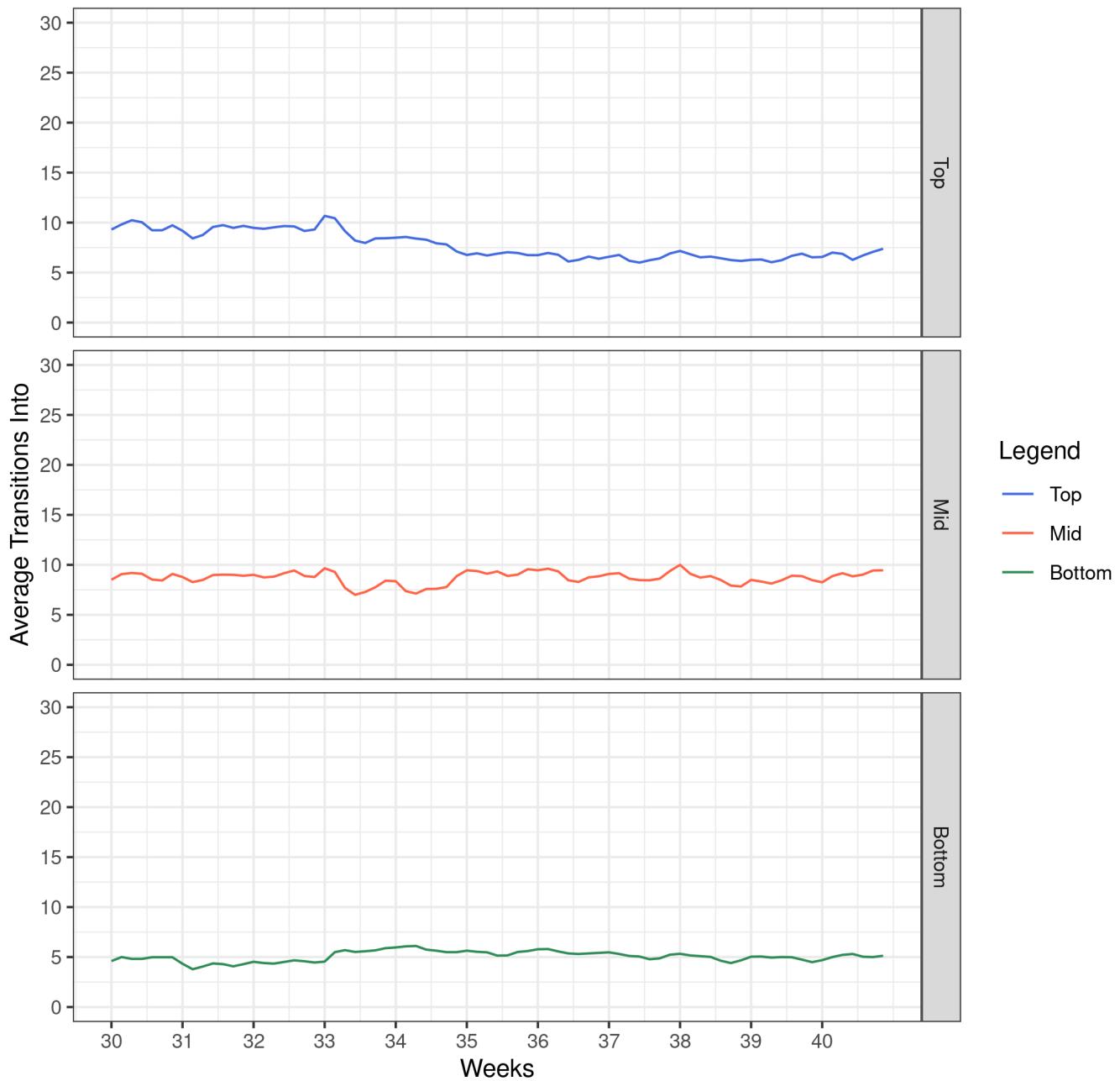
Low Activity Birds

Low Activity Birds Transitions (26.42%; n=106)



Medium Activity Birds

Medium Activity Birds Transitions (50%; n=106)



High Activity Birds

High Activity Birds Transitions (24.53%; n=106)

