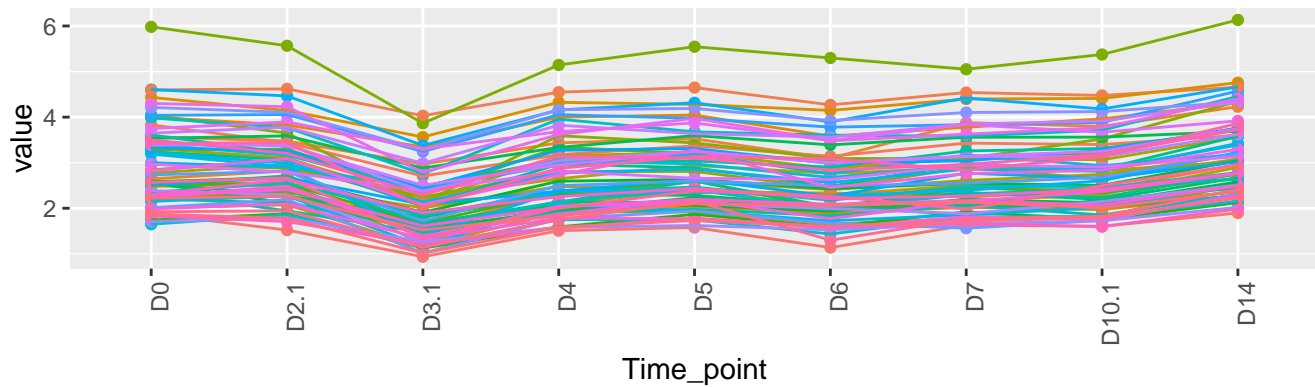
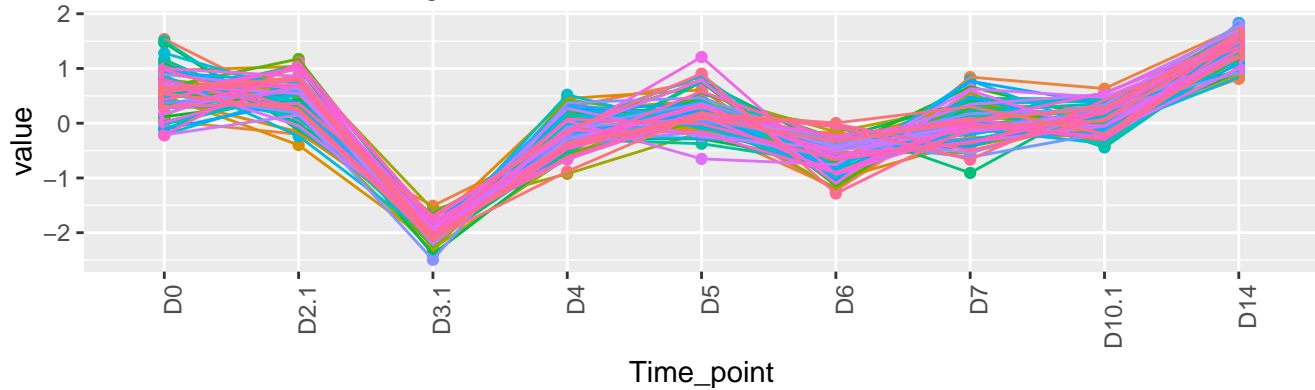


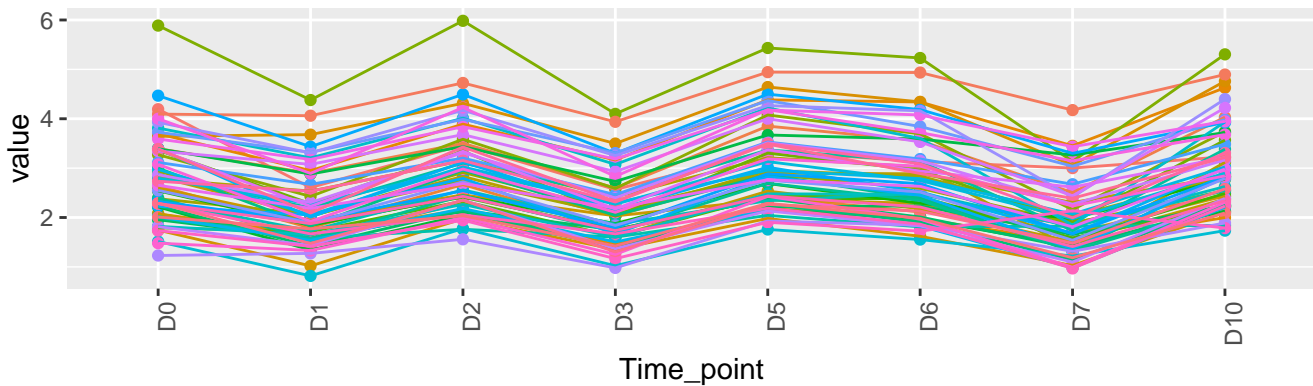
68 genes – WT-cluster-200-original



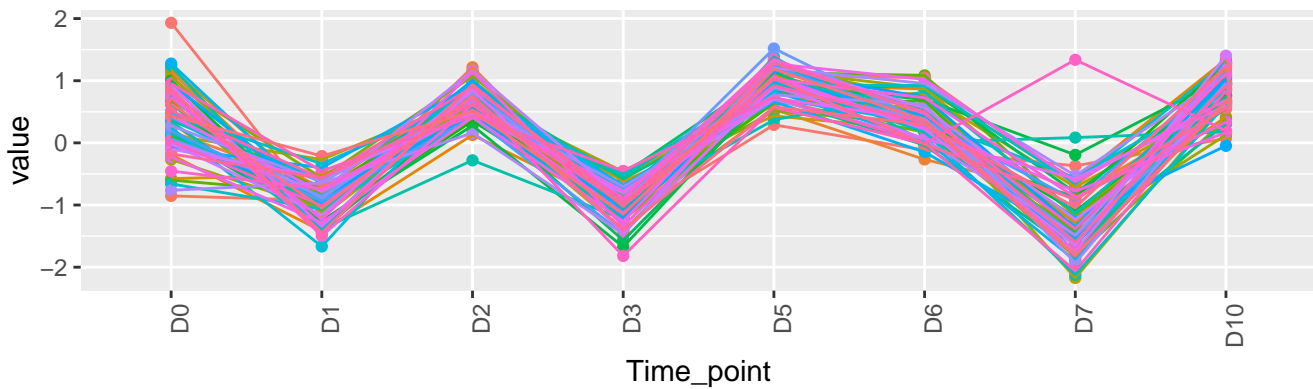
68 genes – WT-cluster-200-standardized



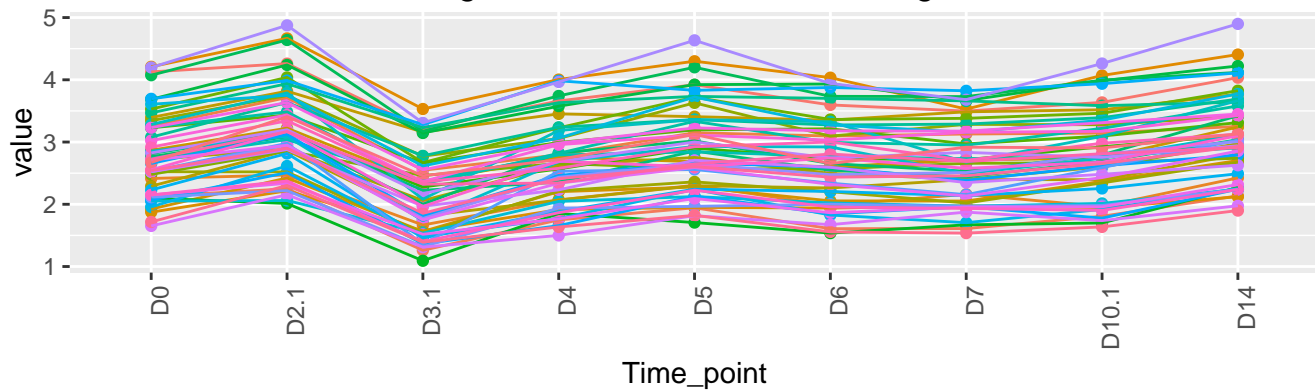
61 genes – KO-cluster-200-original



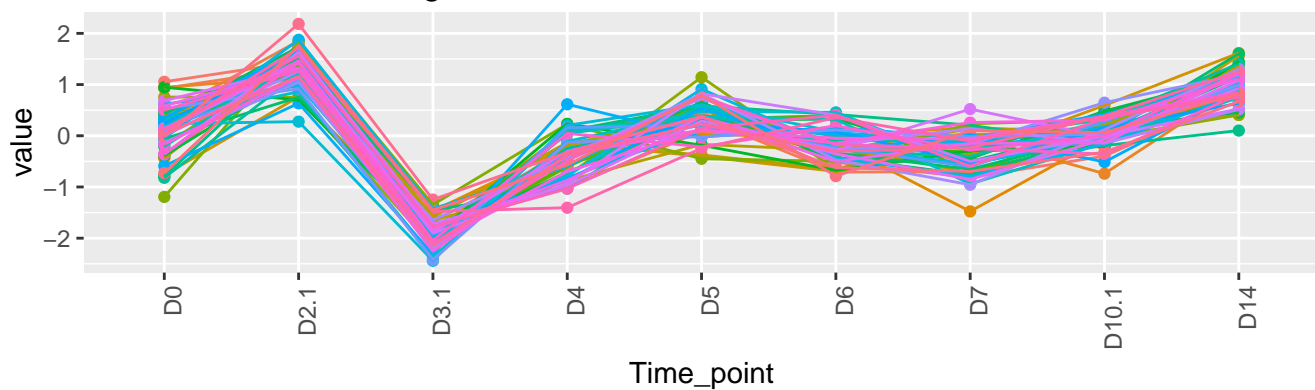
61 genes – KO-cluster-200-standardized



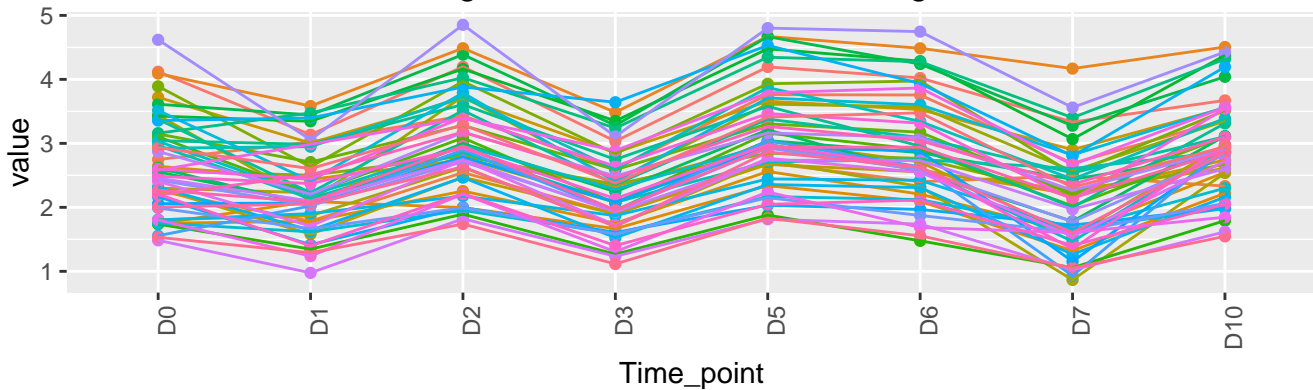
53 genes – WT-cluster-199-original



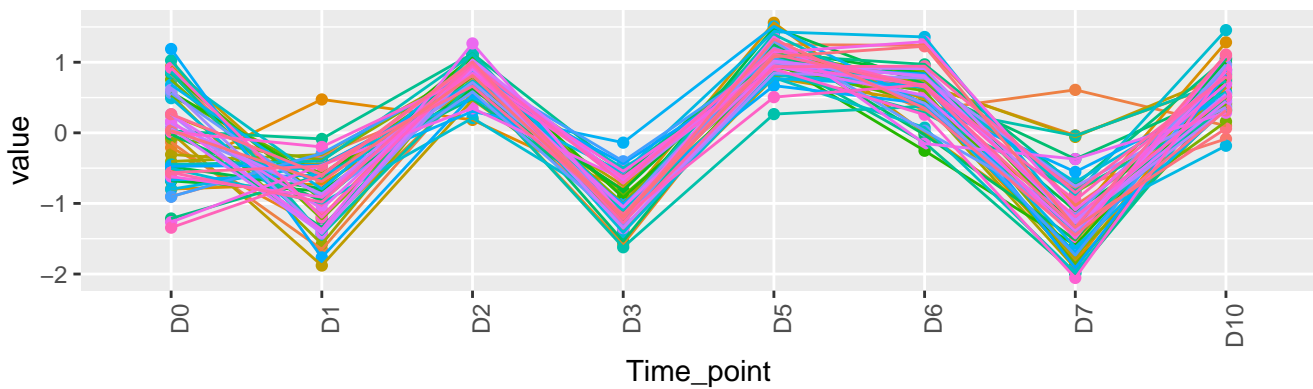
53 genes – WT-cluster-199-standardized



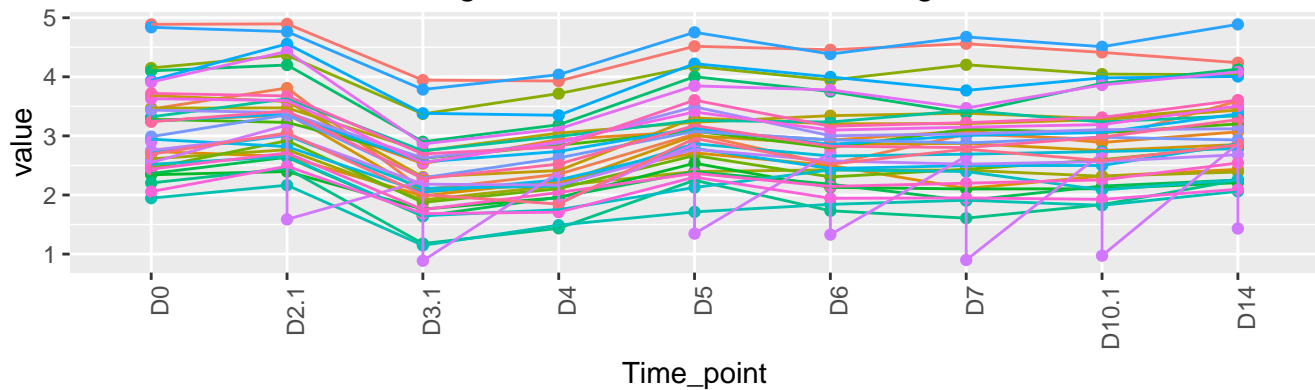
52 genes – KO-cluster-199-original



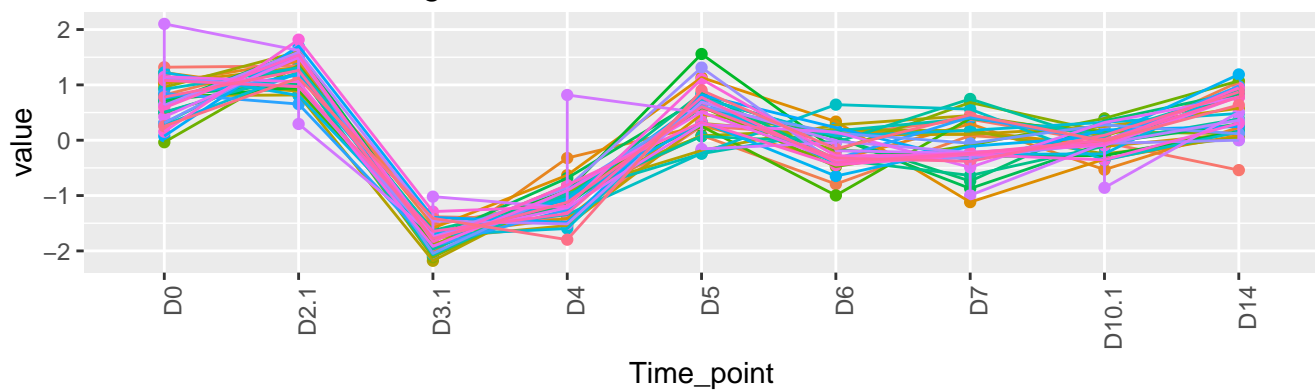
52 genes – KO-cluster-199-standardized



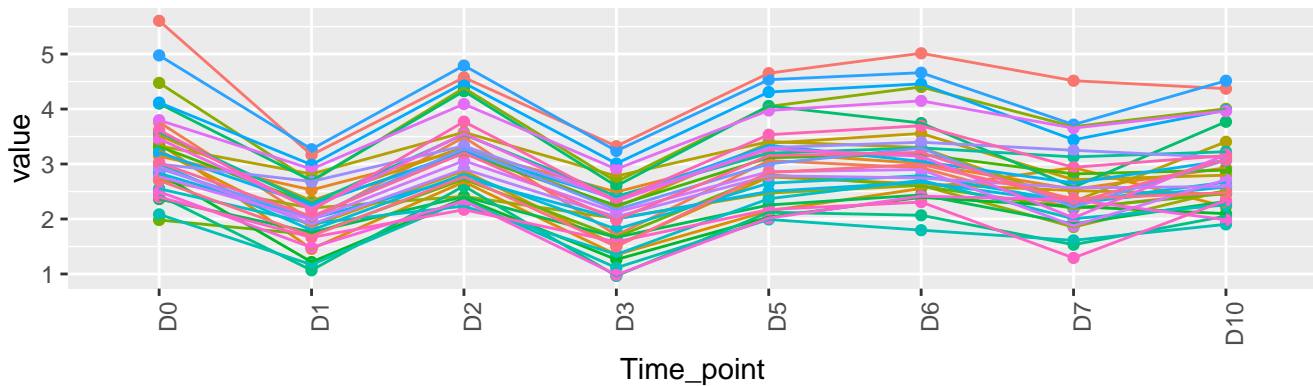
35 genes – WT-cluster-198-original



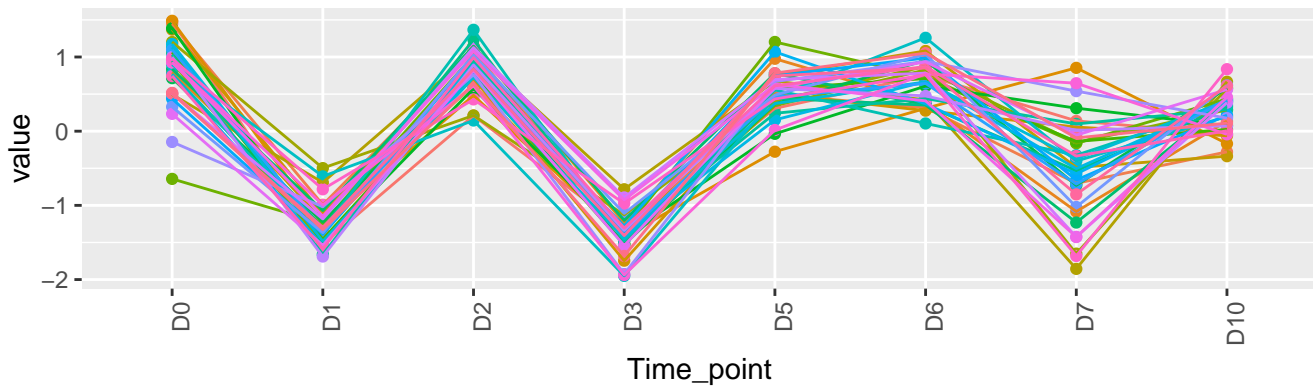
35 genes – WT-cluster-198-standardized



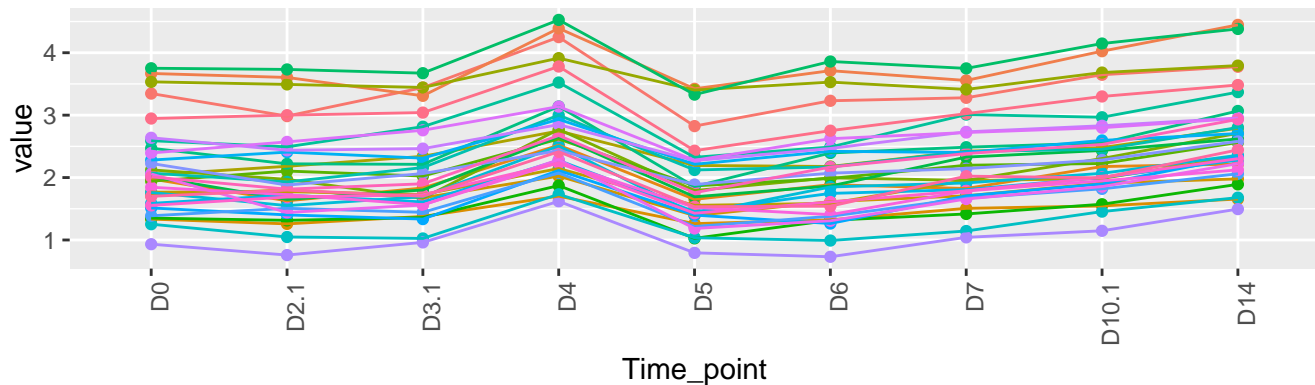
34 genes – KO-cluster-198-original



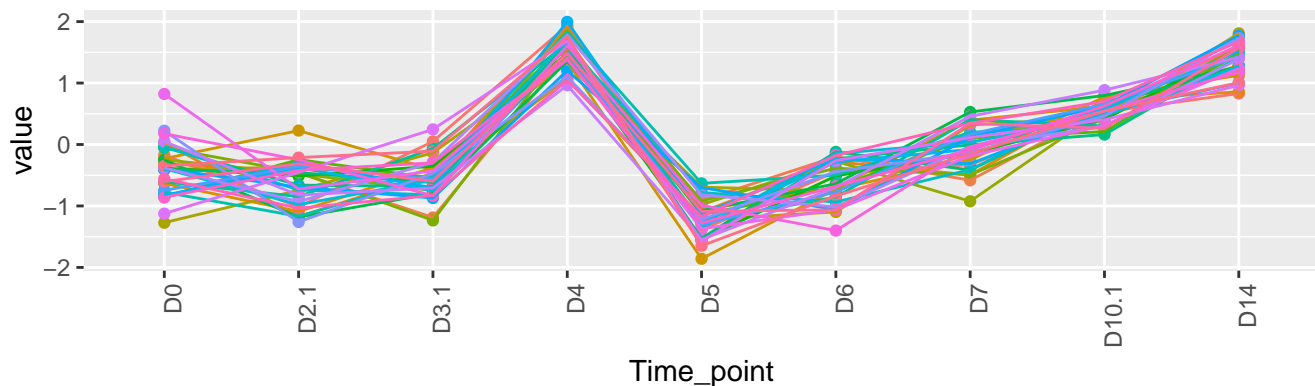
34 genes – KO-cluster-198-standardized



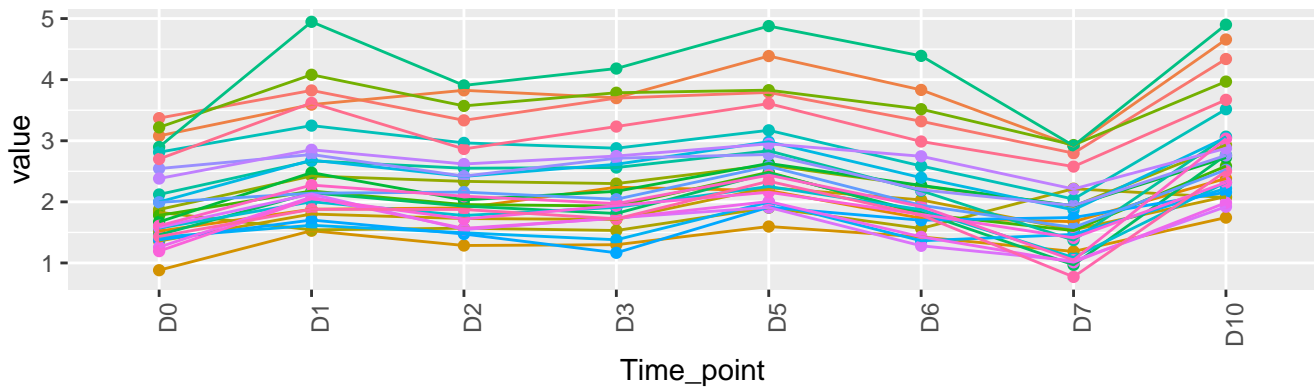
32 genes – WT-cluster-197-original



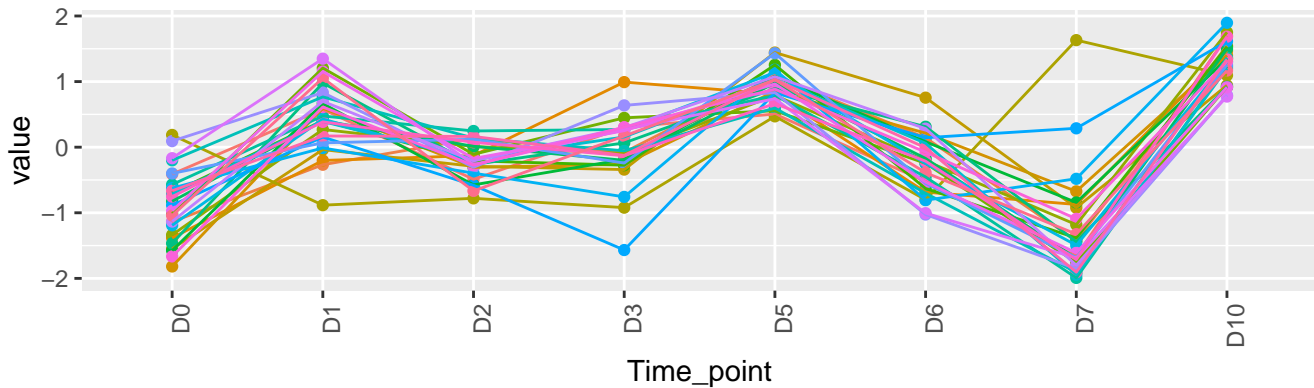
32 genes – WT-cluster-197-standardized



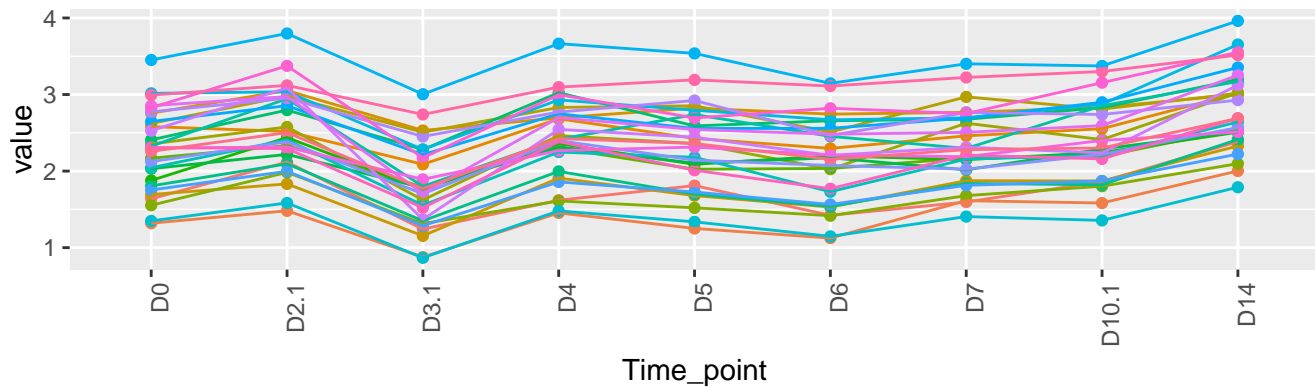
27 genes – KO-cluster-197-original



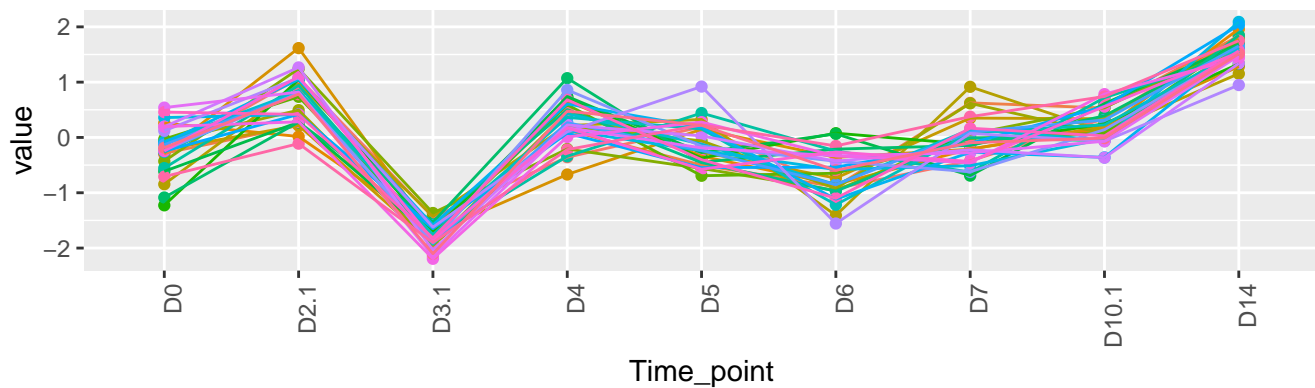
27 genes – KO-cluster-197-standardized



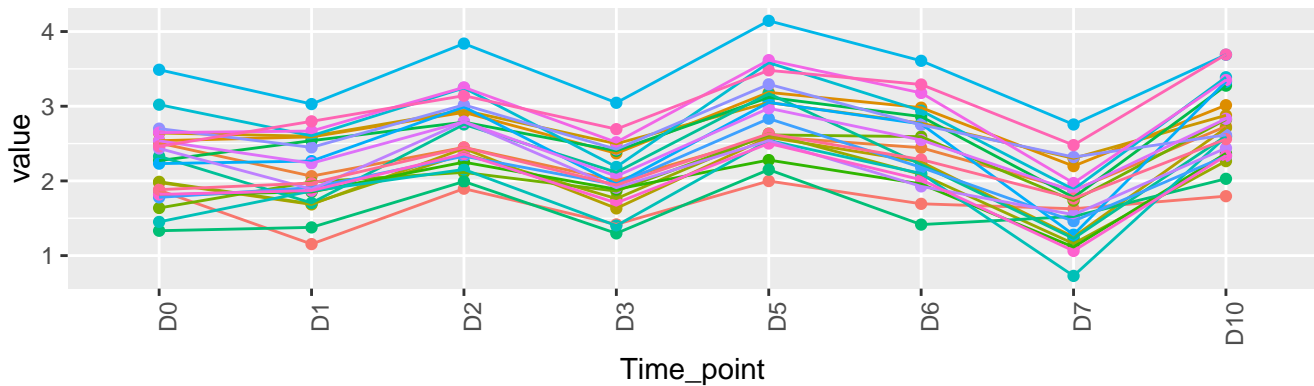
29 genes – WT-cluster-196-original



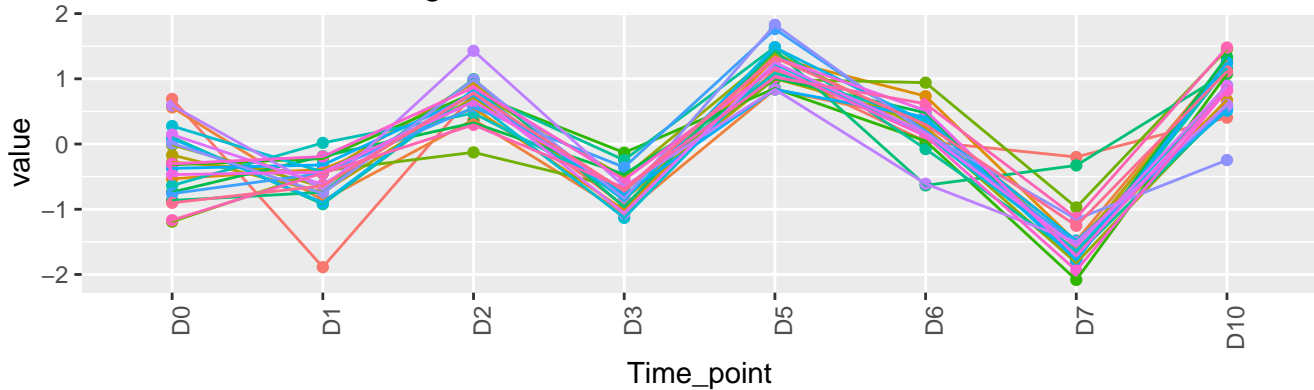
29 genes – WT-cluster-196-standardized



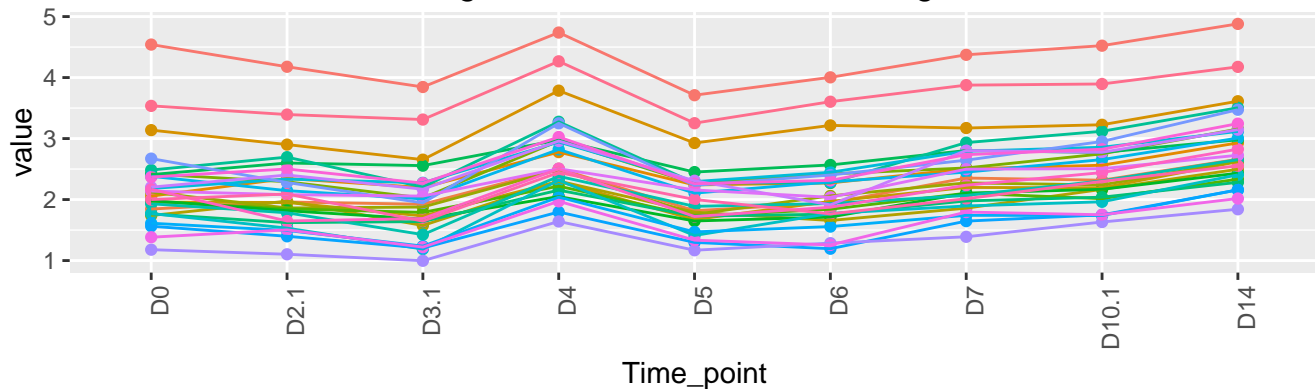
23 genes – KO-cluster-196-original



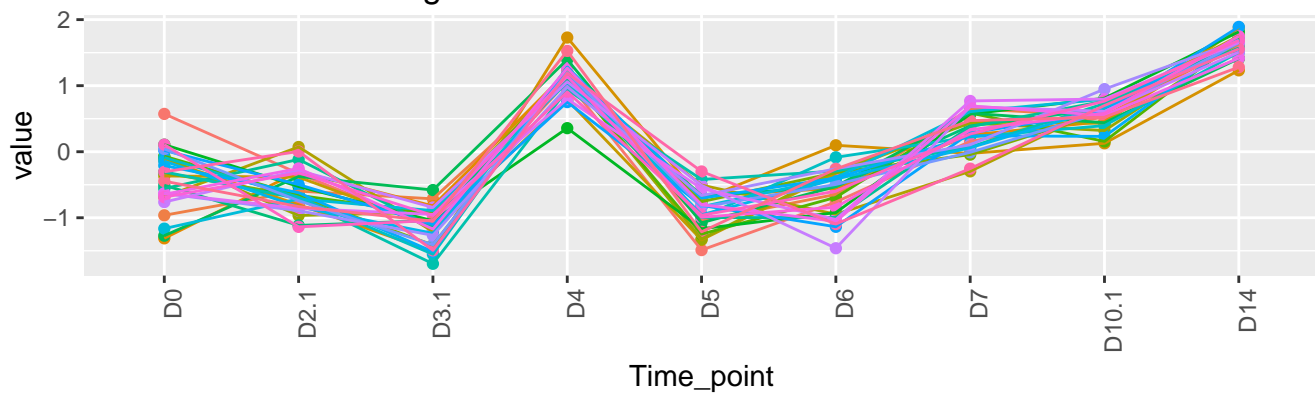
23 genes – KO-cluster-196-standardized



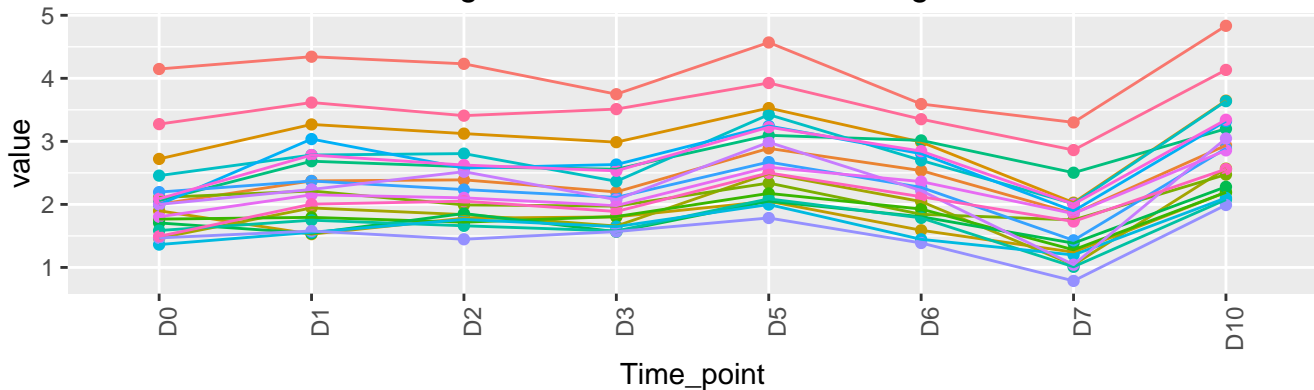
28 genes – WT-cluster-195-original



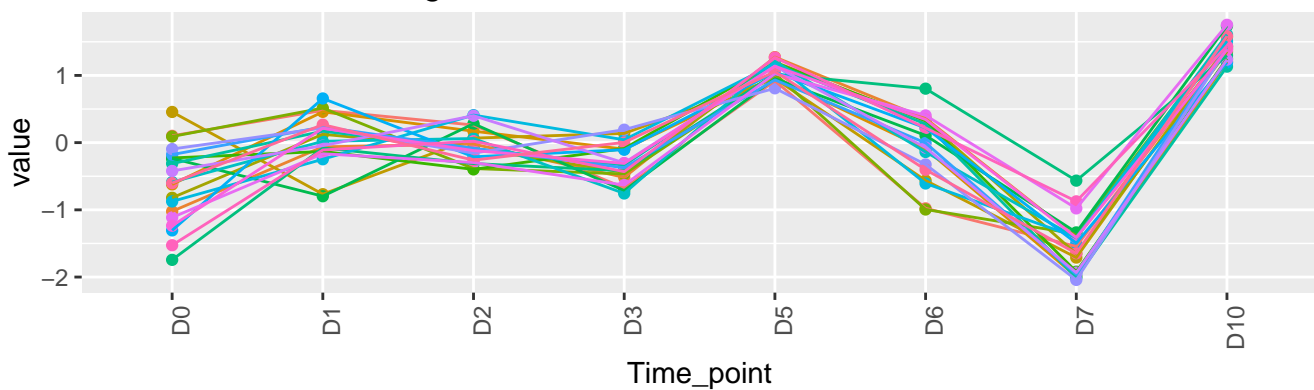
28 genes – WT-cluster-195-standardized



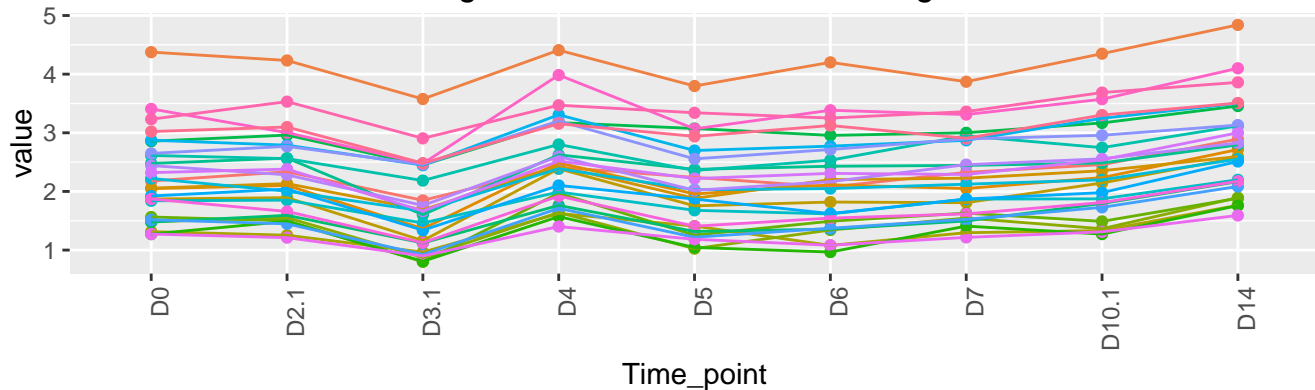
20 genes – KO-cluster-195-original



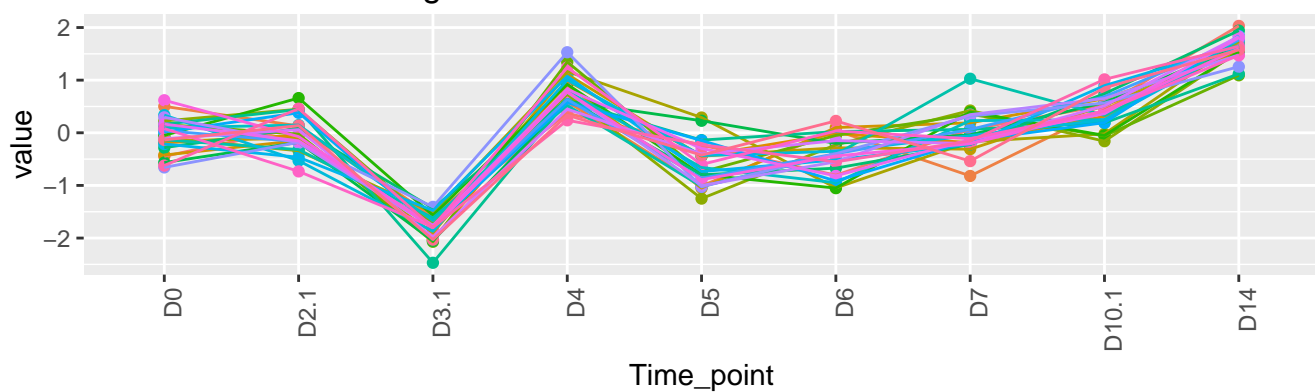
20 genes – KO-cluster-195-standardized



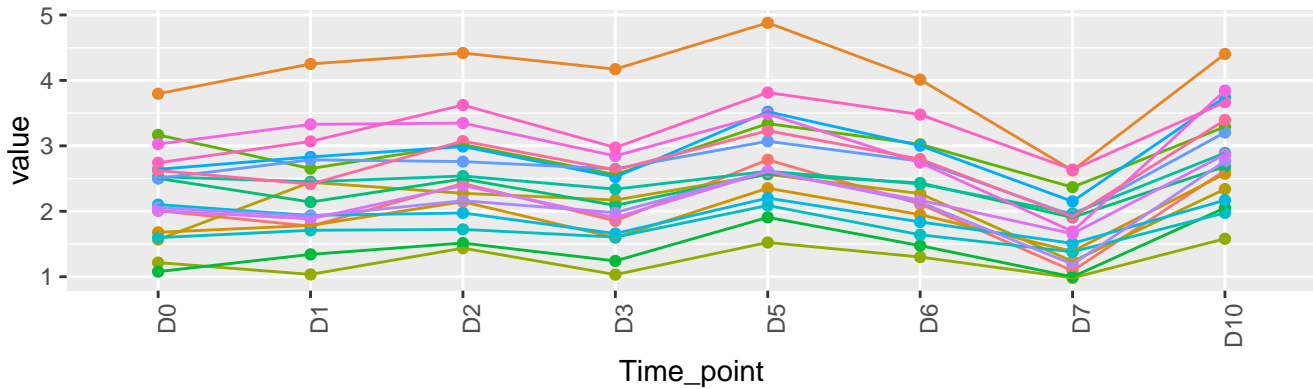
26 genes – WT-cluster-194-original



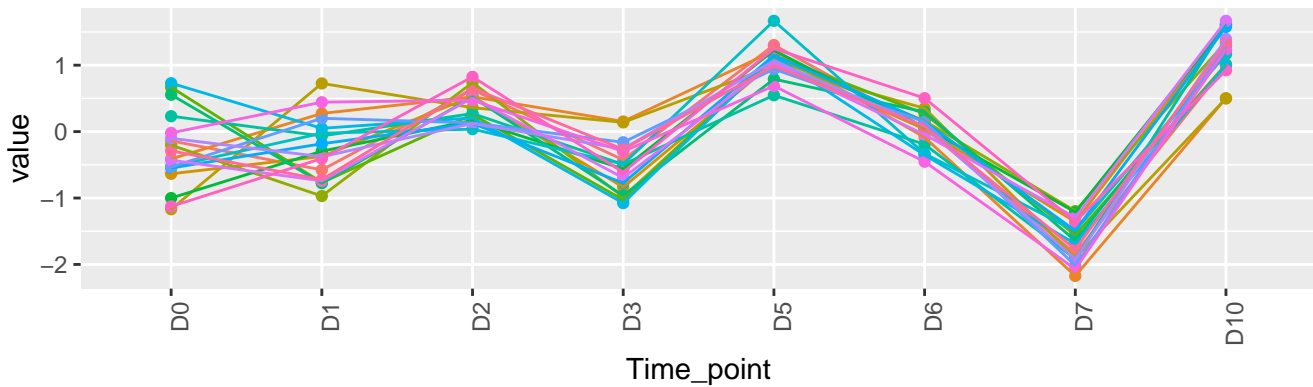
26 genes – WT-cluster-194-standardized



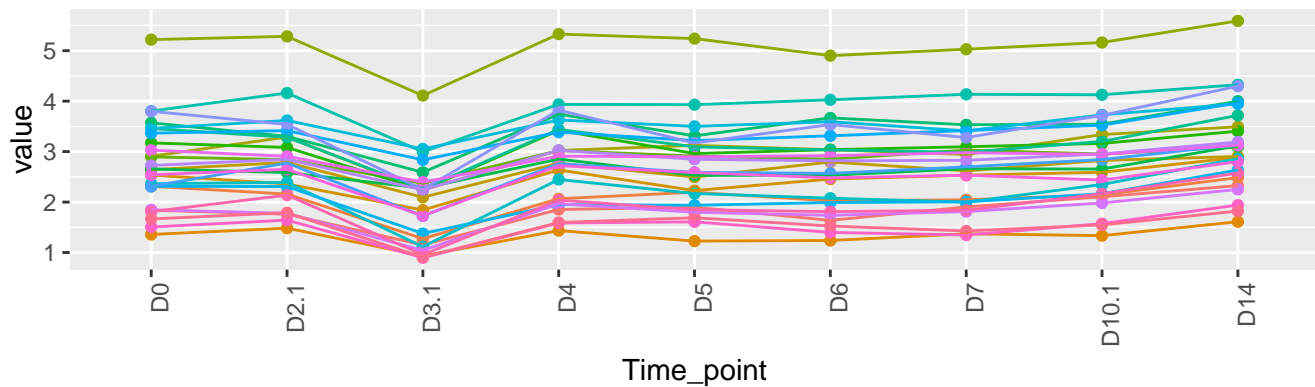
18 genes – KO-cluster-194-original



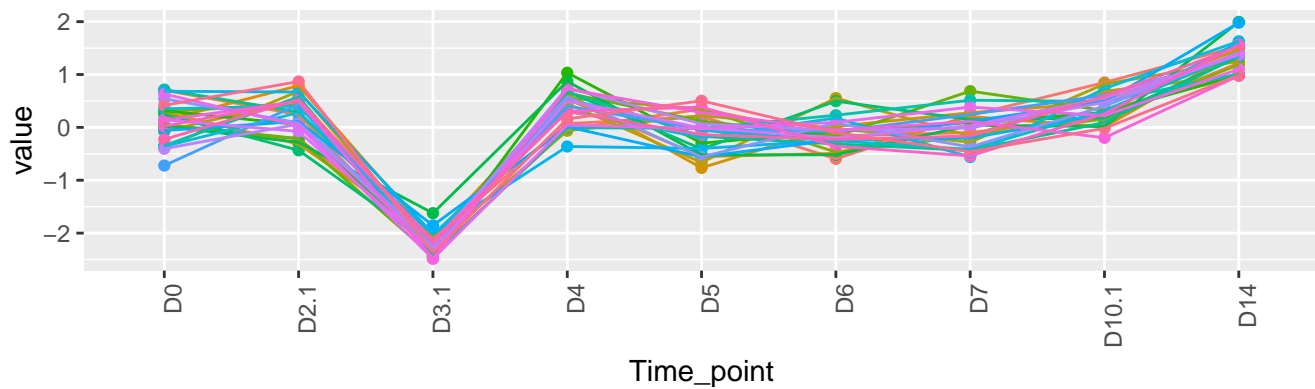
18 genes – KO-cluster-194-standardized



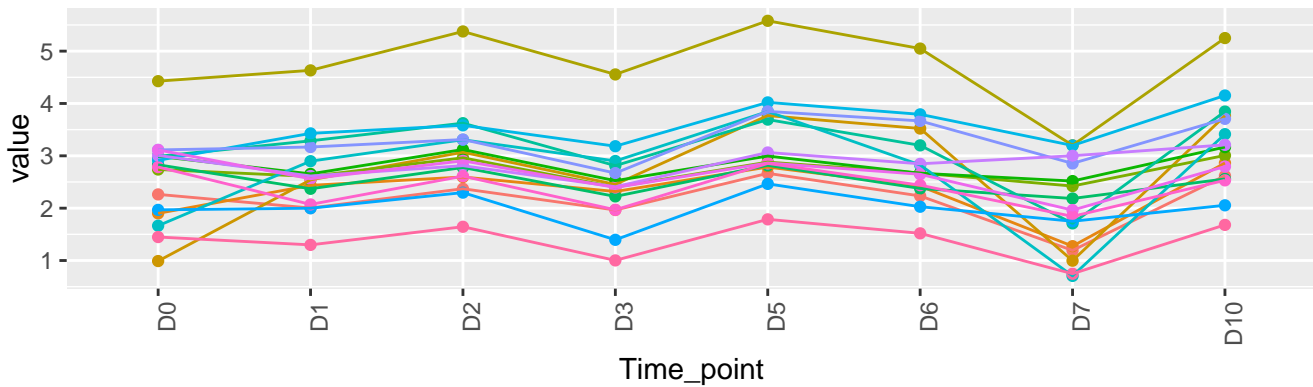
26 genes – WT-cluster-193-original



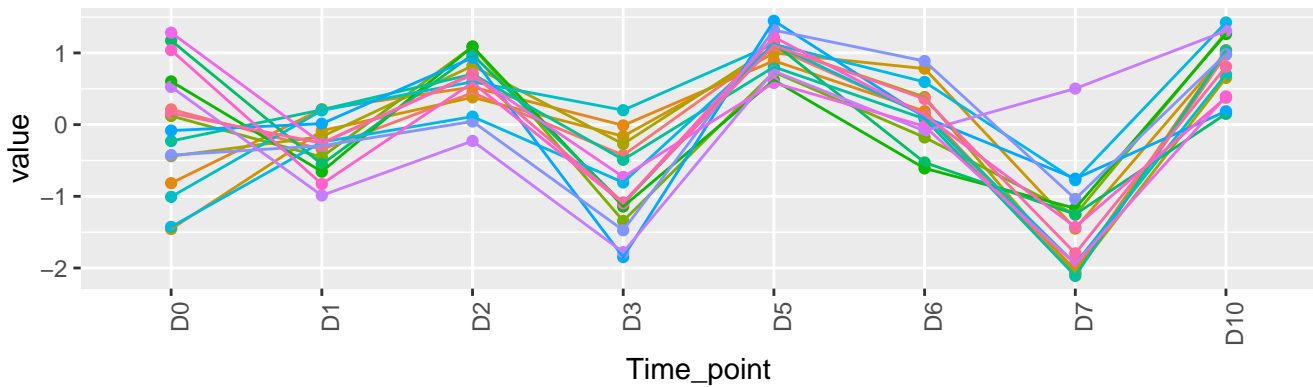
26 genes – WT-cluster-193-standardized



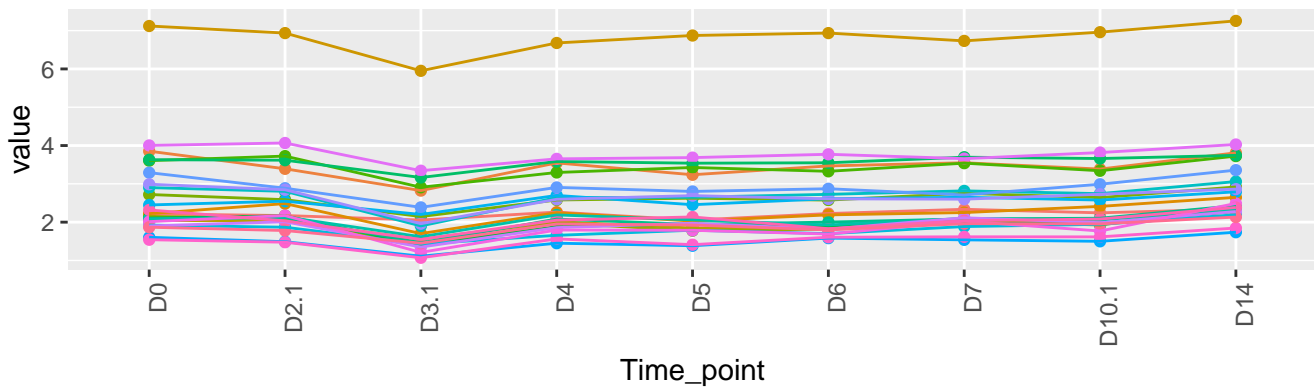
16 genes – KO-cluster-193-original



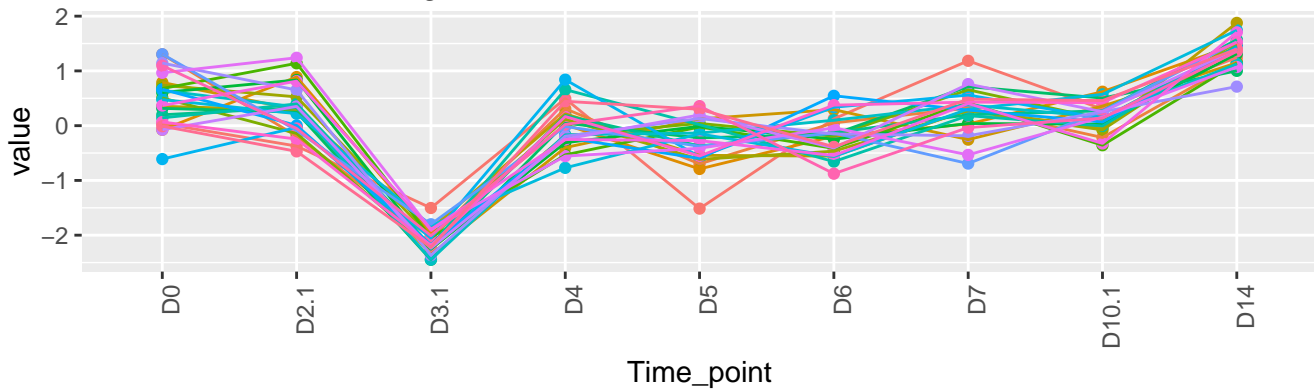
16 genes – KO-cluster-193-standardized



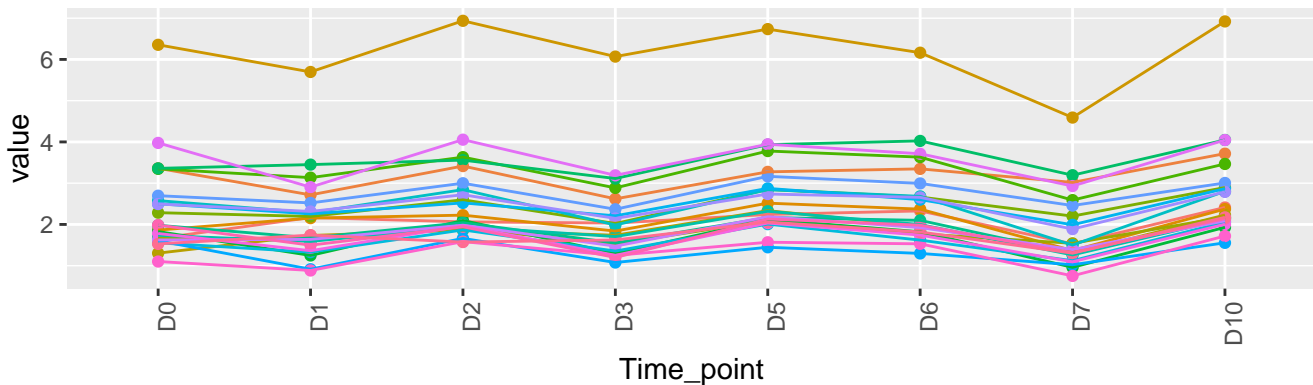
24 genes – WT-cluster-192-original



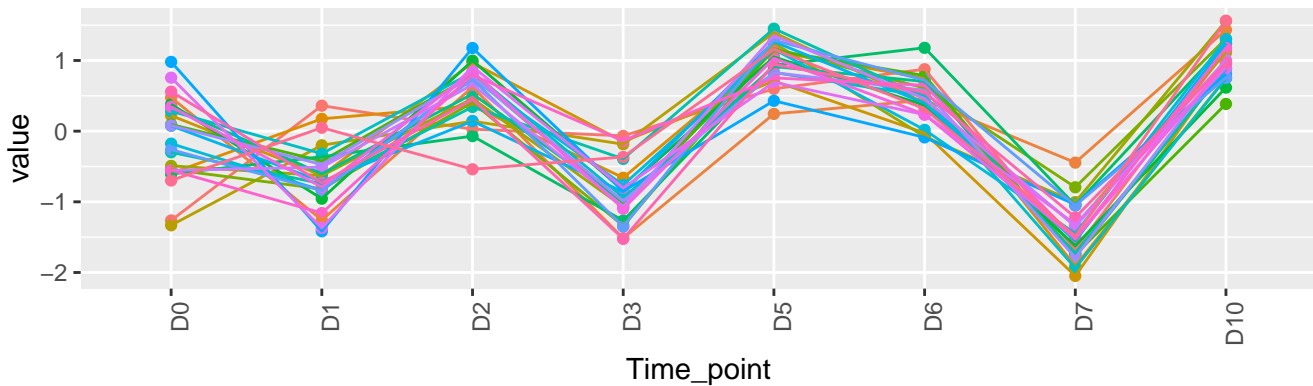
24 genes – WT-cluster-192-standardized



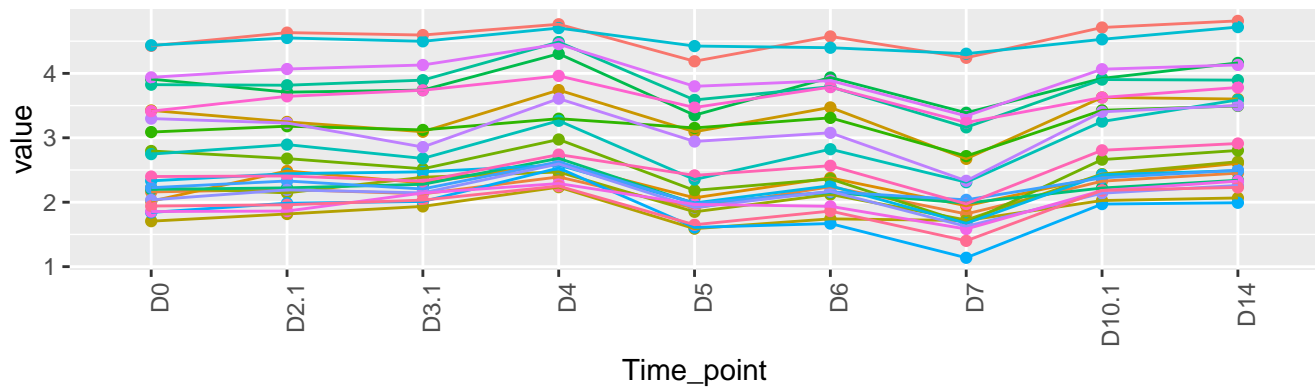
24 genes – KO-cluster-192-original



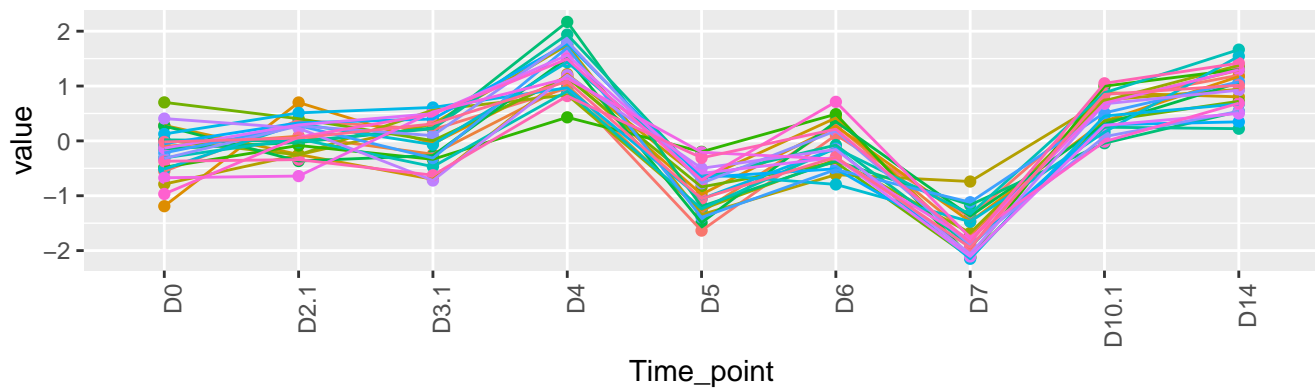
24 genes – KO-cluster-192-standardized



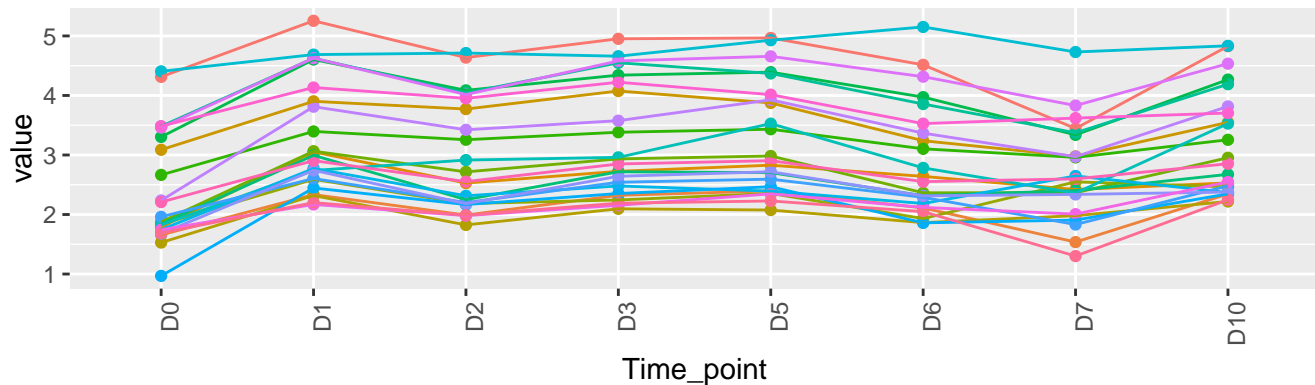
23 genes – WT-cluster-191-original



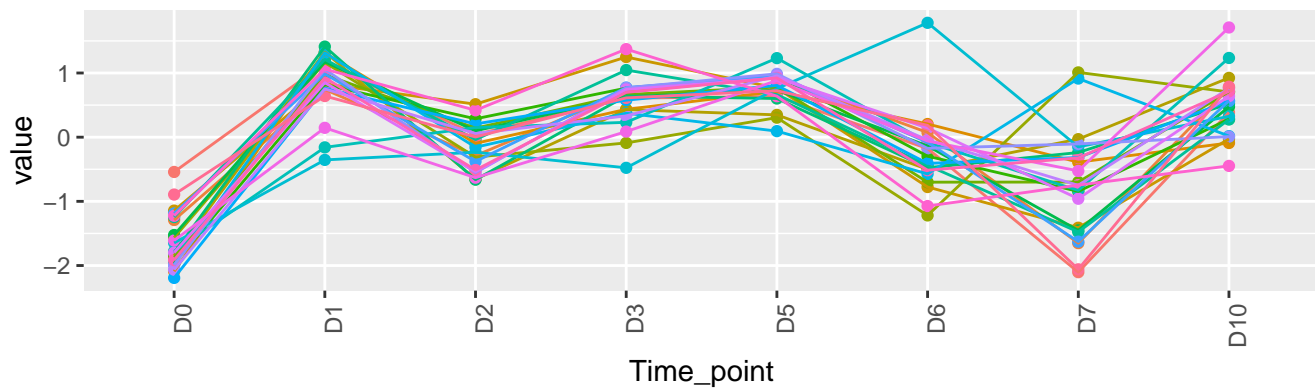
23 genes – WT-cluster-191-standardized



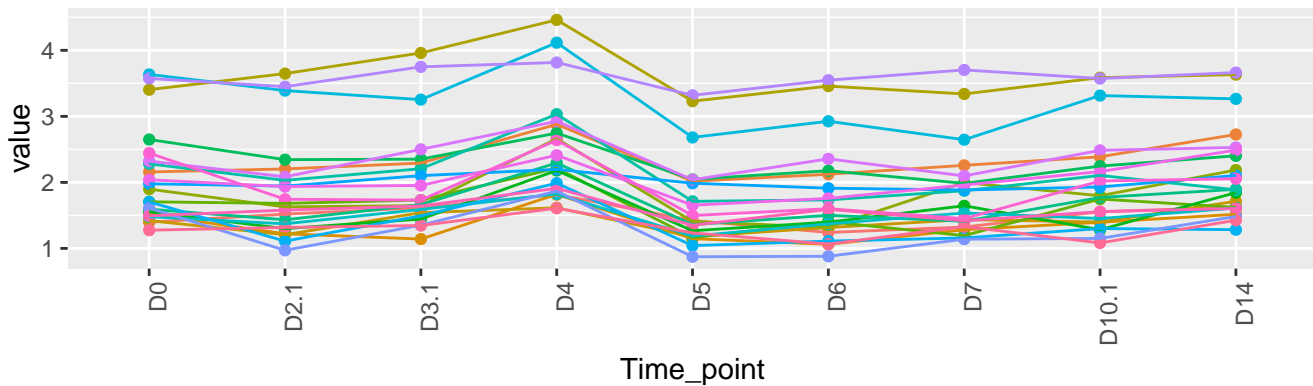
23 genes – KO-cluster-191-original



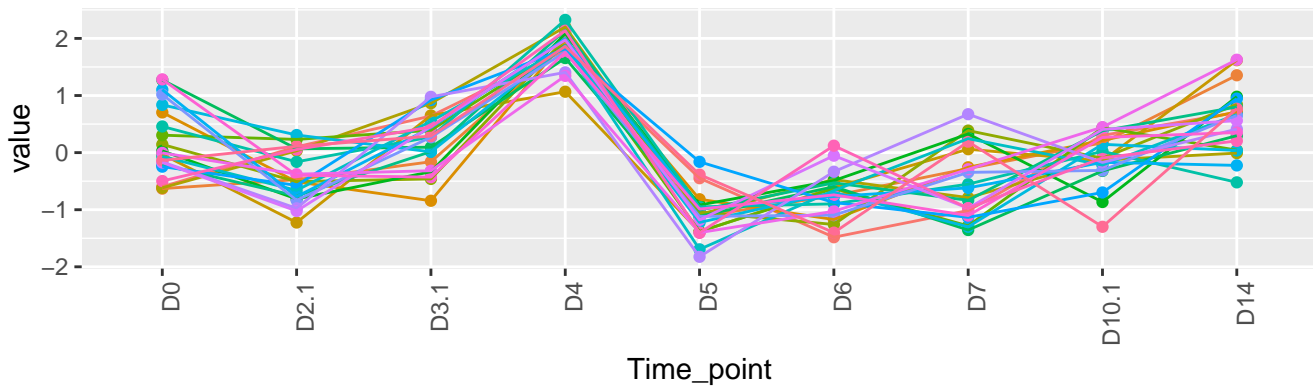
23 genes – KO-cluster-191-standardized



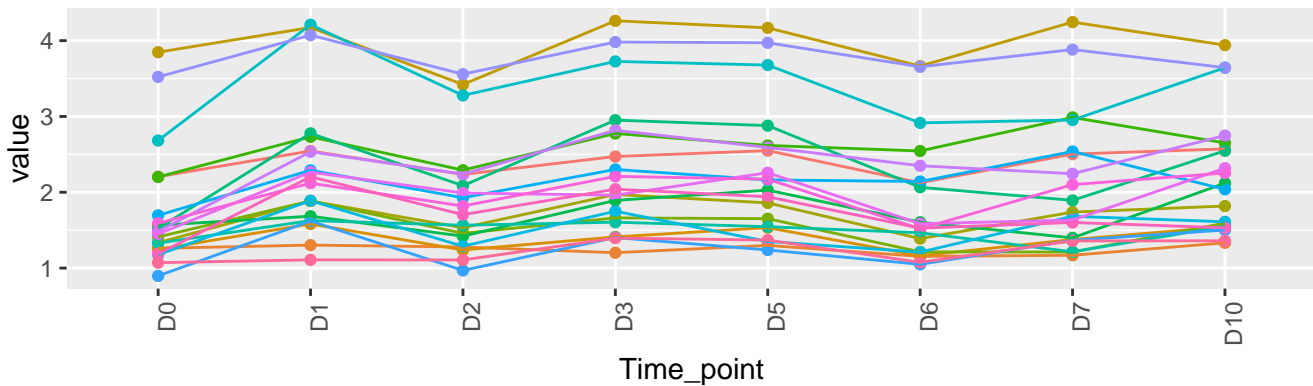
22 genes – WT-cluster-190-original



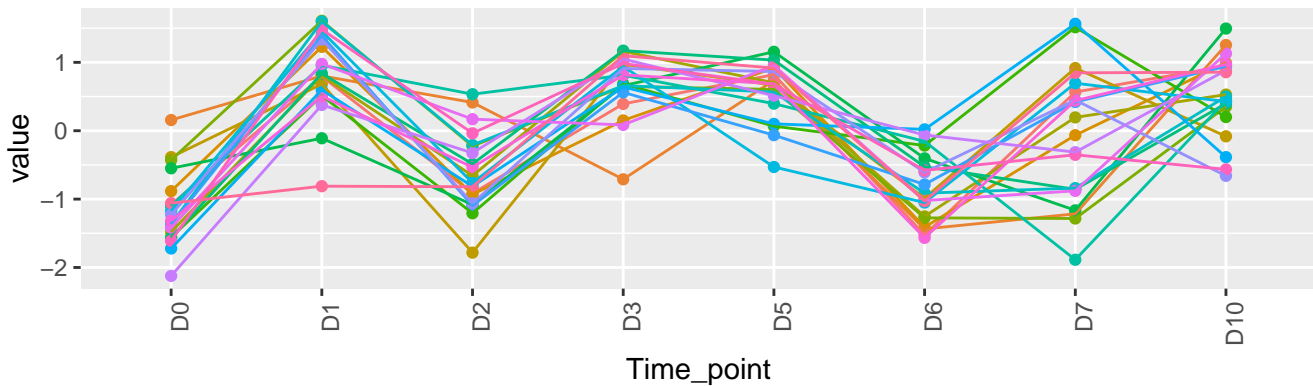
22 genes – WT-cluster-190-standardized



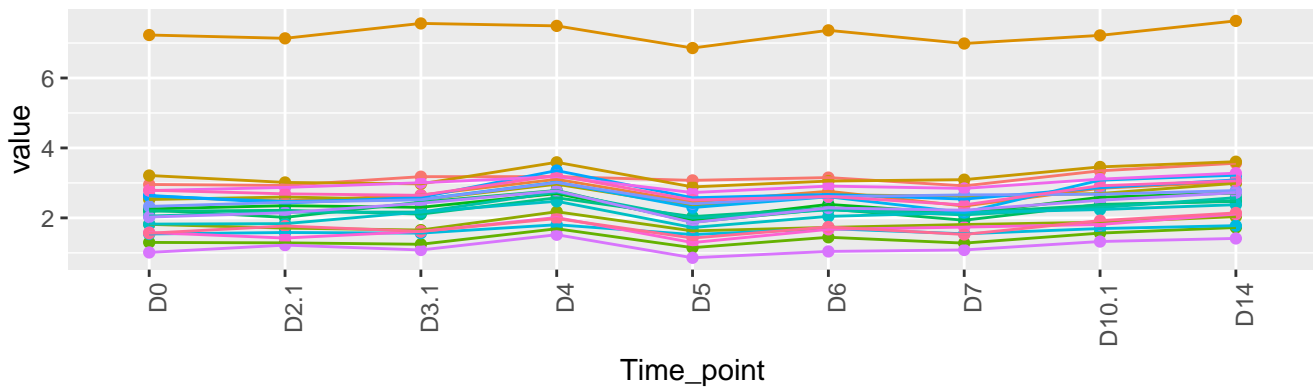
20 genes – KO-cluster-190-original



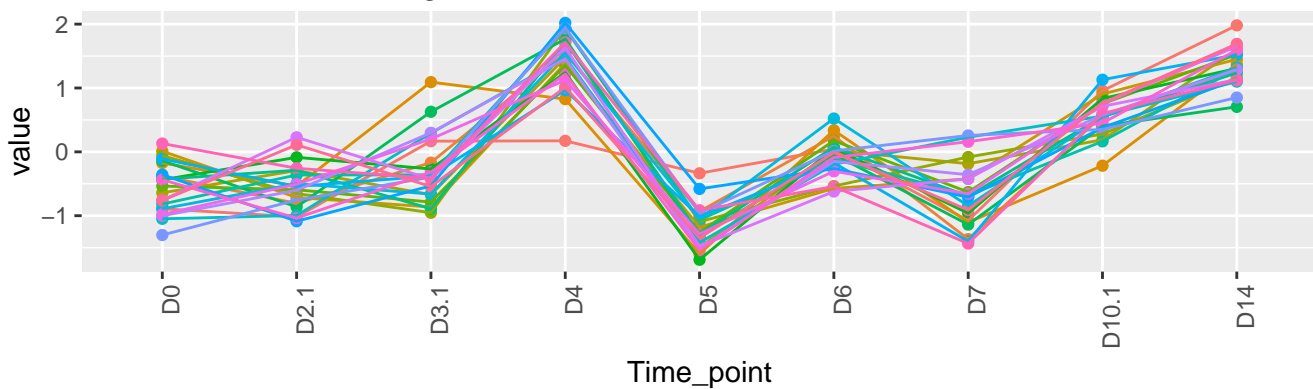
20 genes – KO-cluster-190-standardized



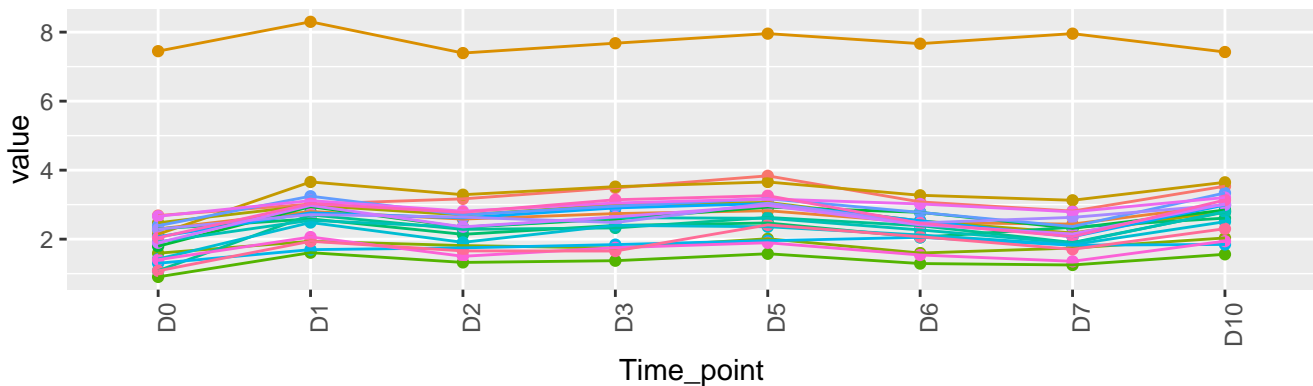
22 genes – WT-cluster-189-original



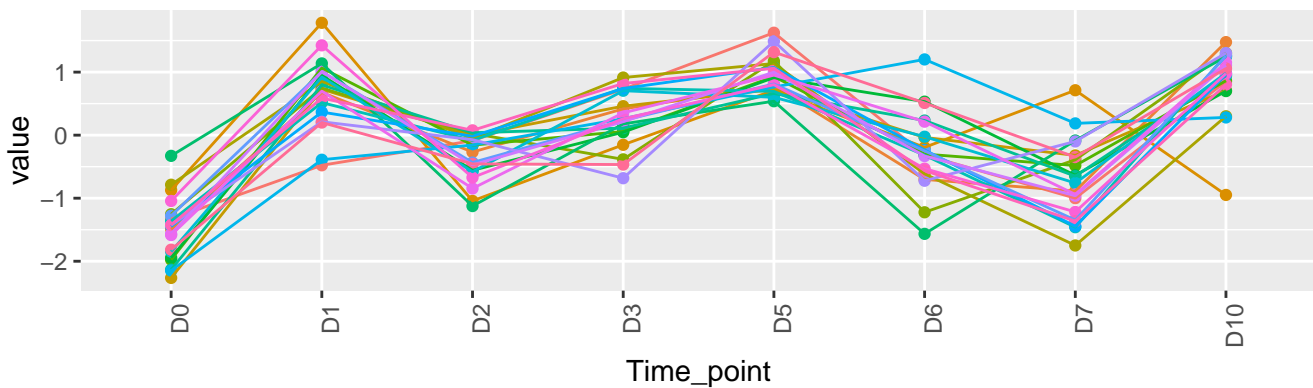
22 genes – WT-cluster-189-standardized



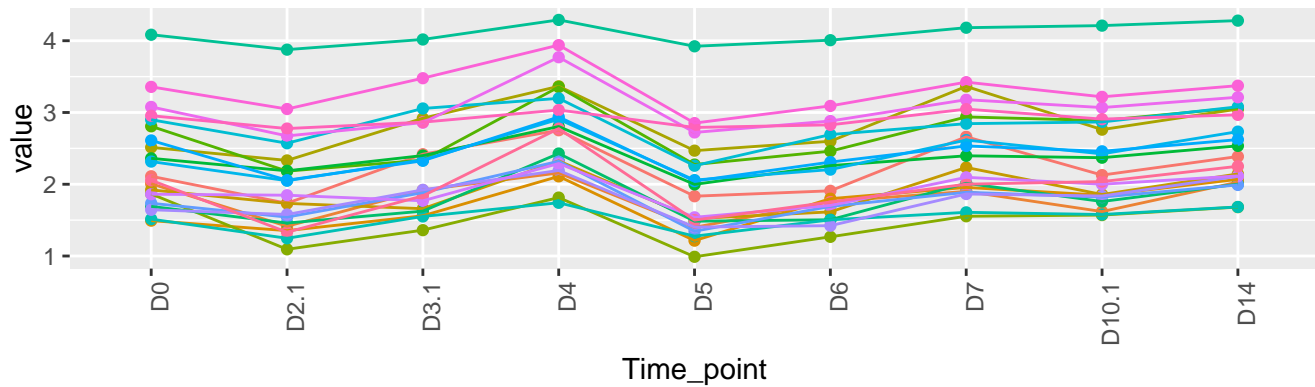
21 genes – KO-cluster-189-original



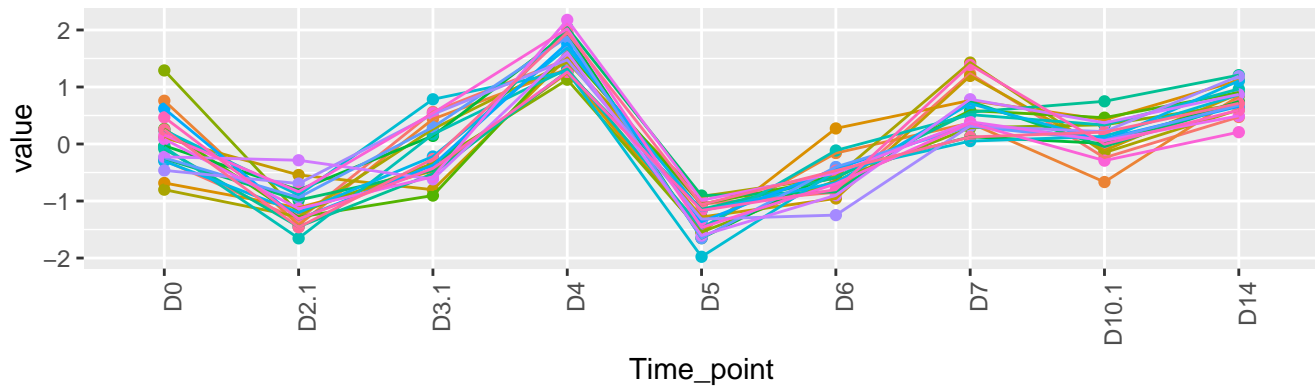
21 genes – KO-cluster-189-standardized



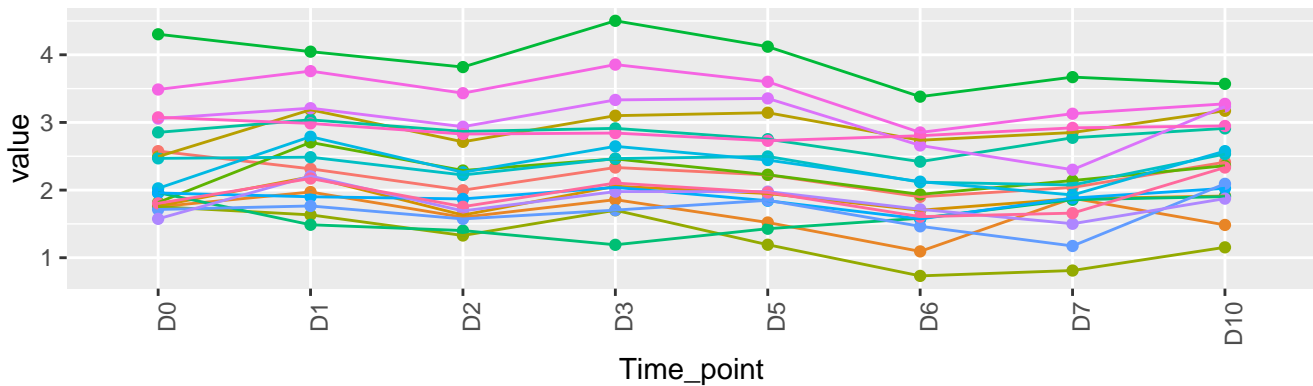
21 genes – WT-cluster-188-original



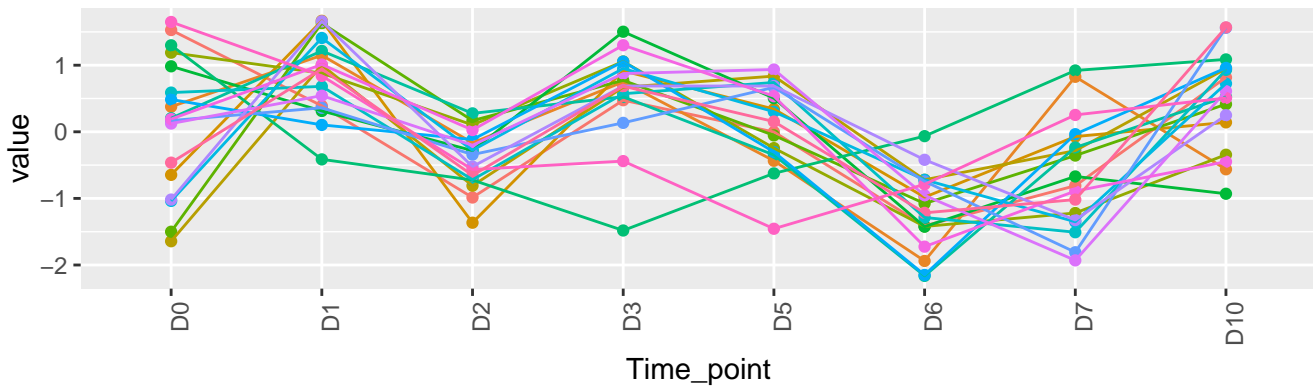
21 genes – WT-cluster-188-standardized



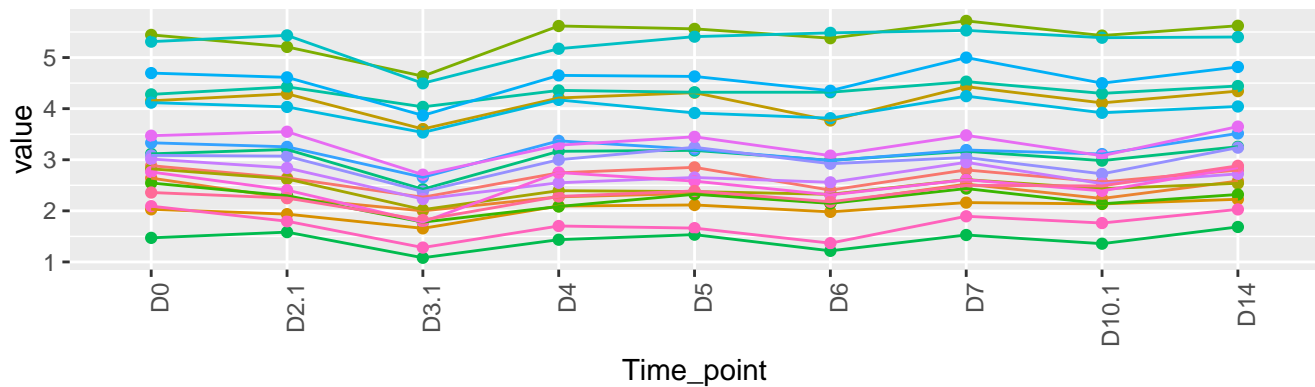
18 genes – KO-cluster-188-original



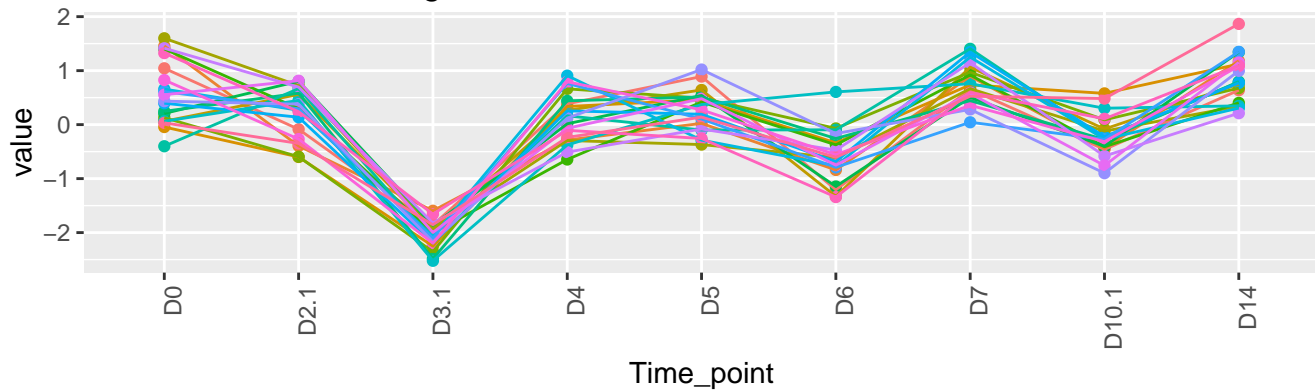
18 genes – KO-cluster-188-standardized



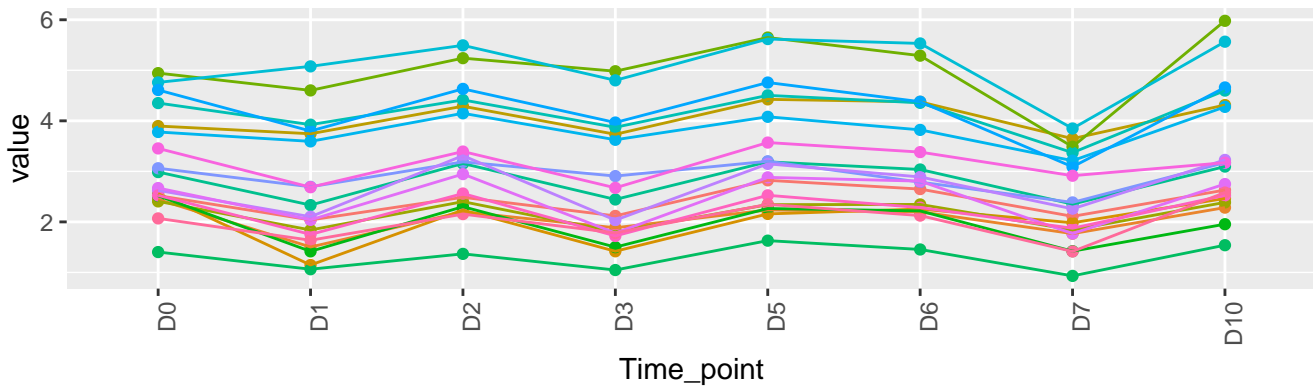
20 genes – WT-cluster-187-original



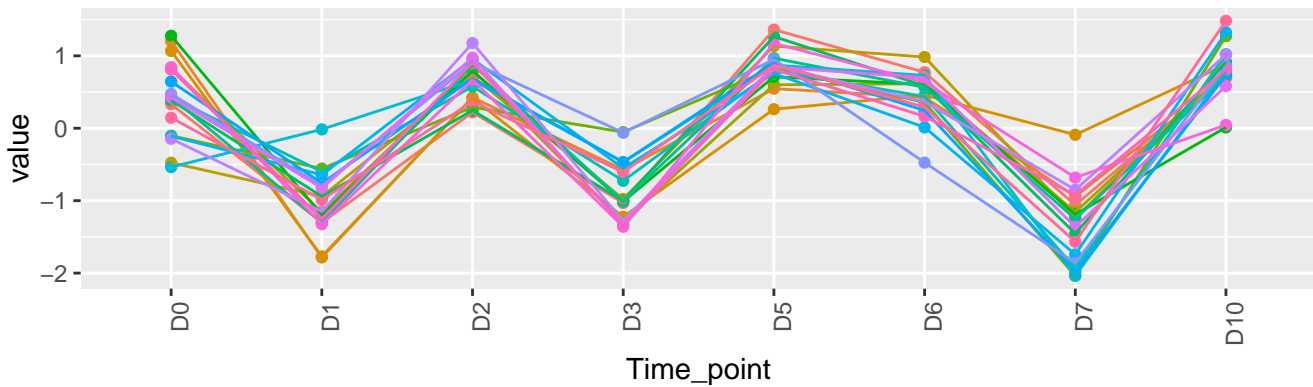
20 genes – WT-cluster-187-standardized



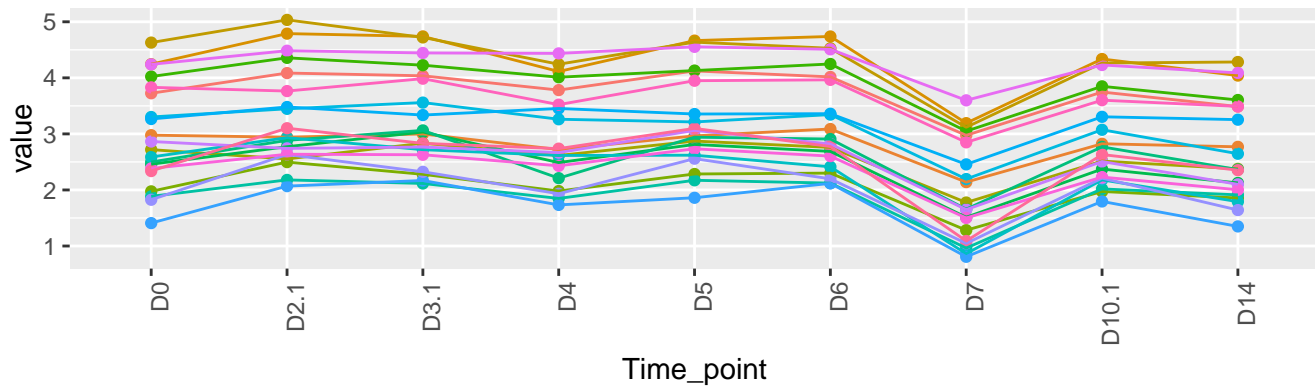
19 genes – KO-cluster-187-original



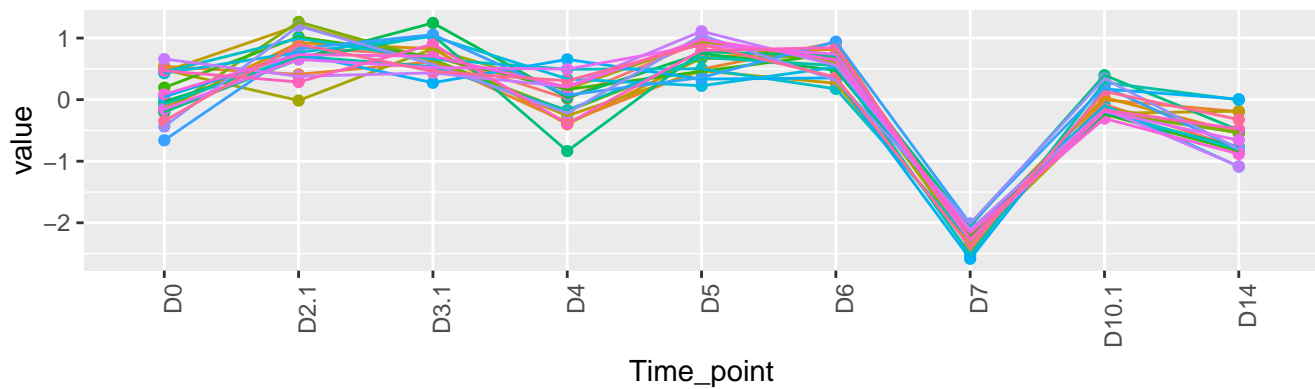
19 genes – KO-cluster-187-standardized



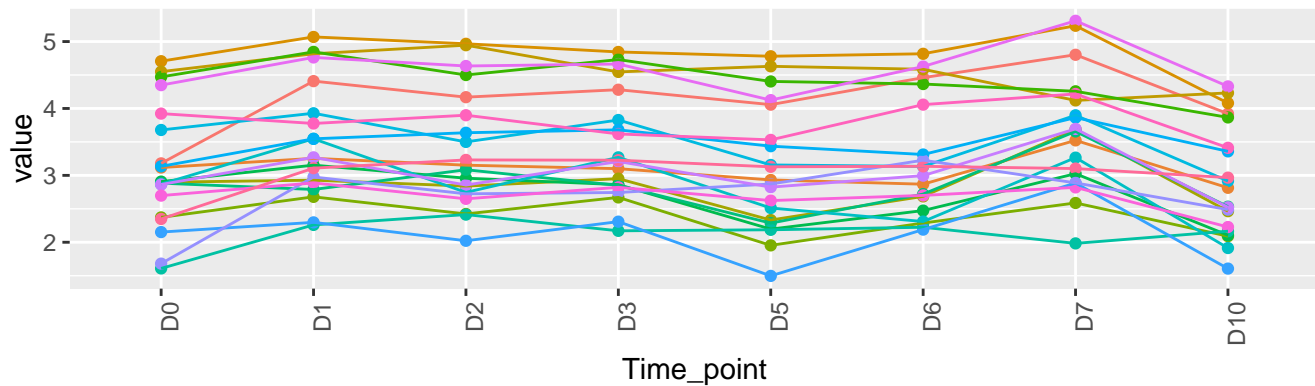
20 genes – WT-cluster-186-original



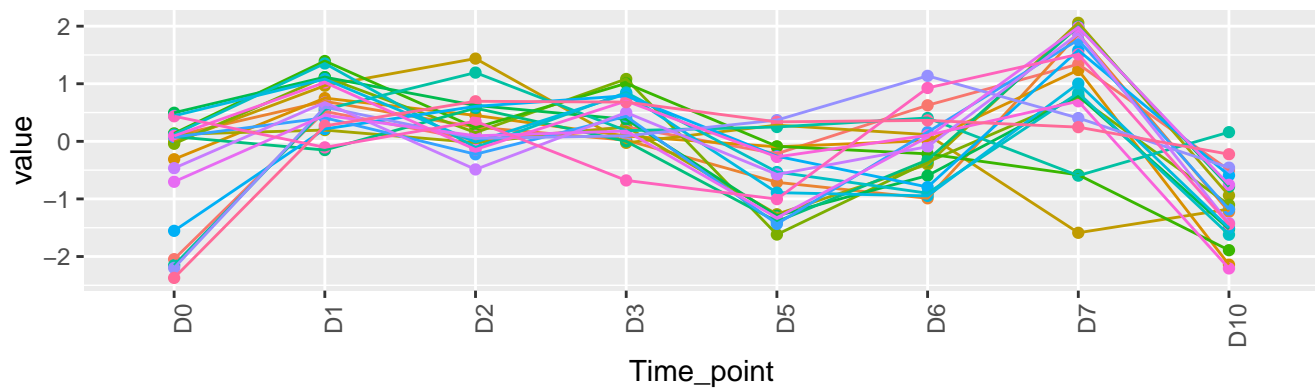
20 genes – WT-cluster-186-standardized



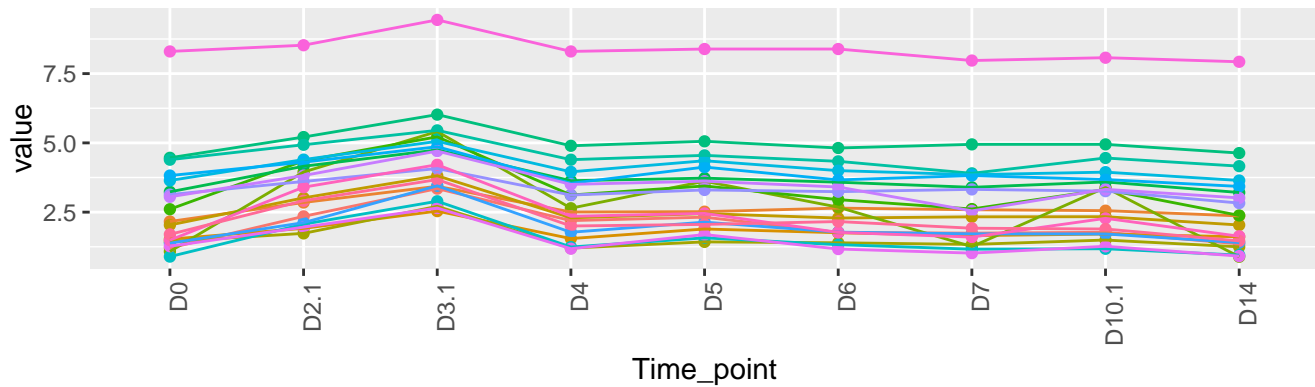
20 genes – KO-cluster-186-original



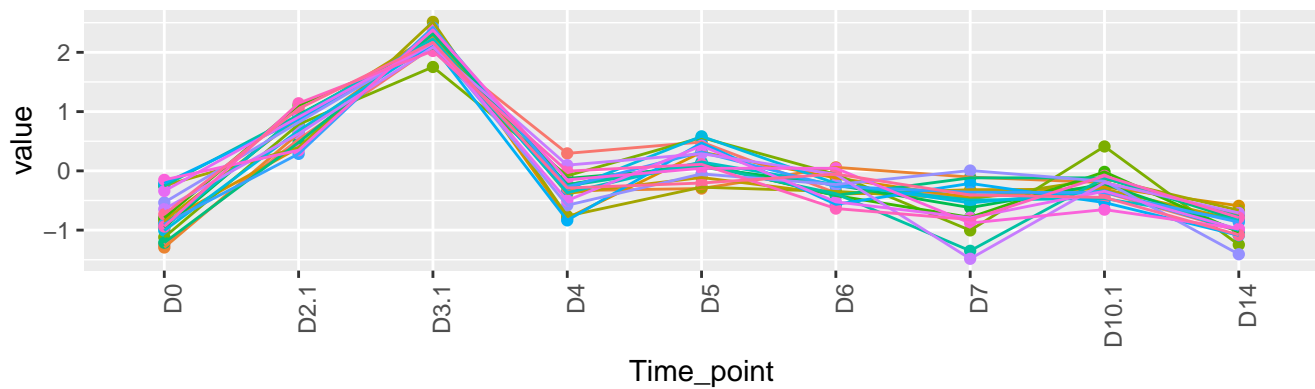
20 genes – KO-cluster-186-standardized



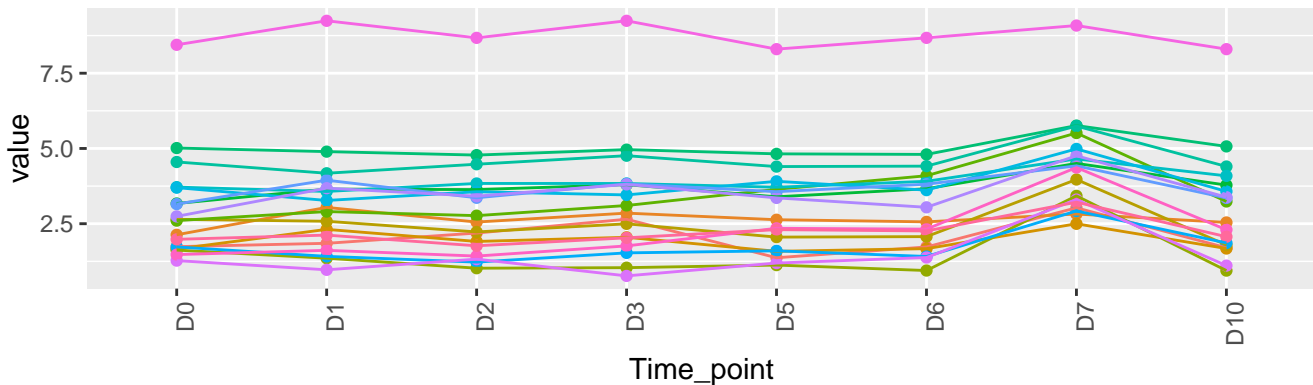
20 genes – WT-cluster-185-original



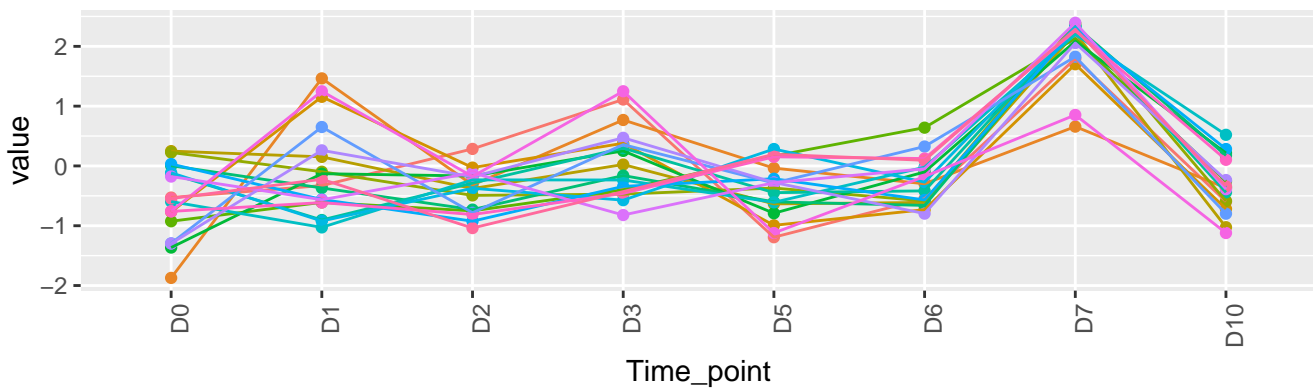
20 genes – WT-cluster-185-standardized



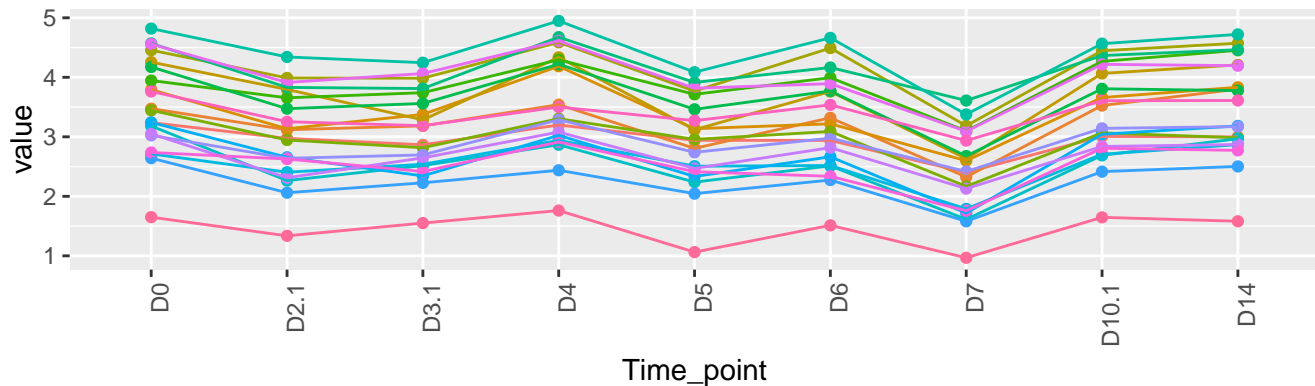
18 genes – KO-cluster-185-original



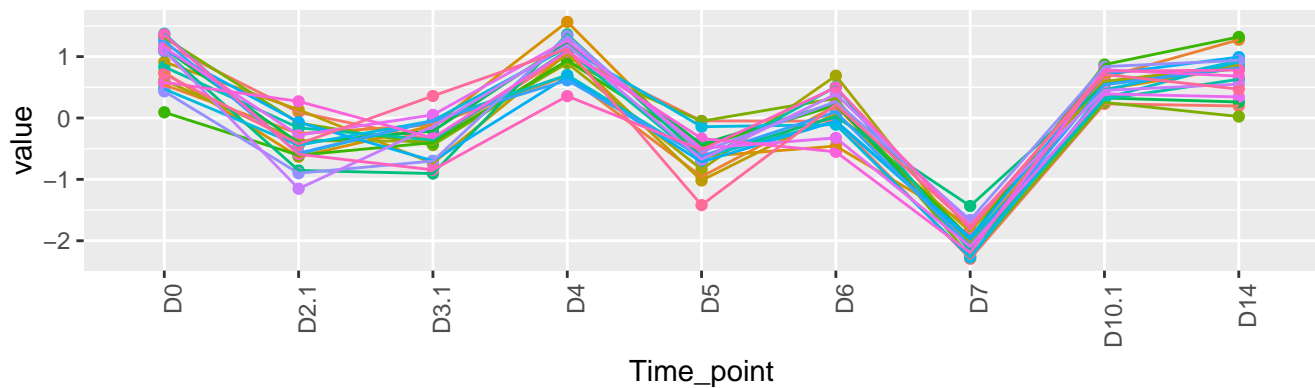
18 genes – KO-cluster-185-standardized



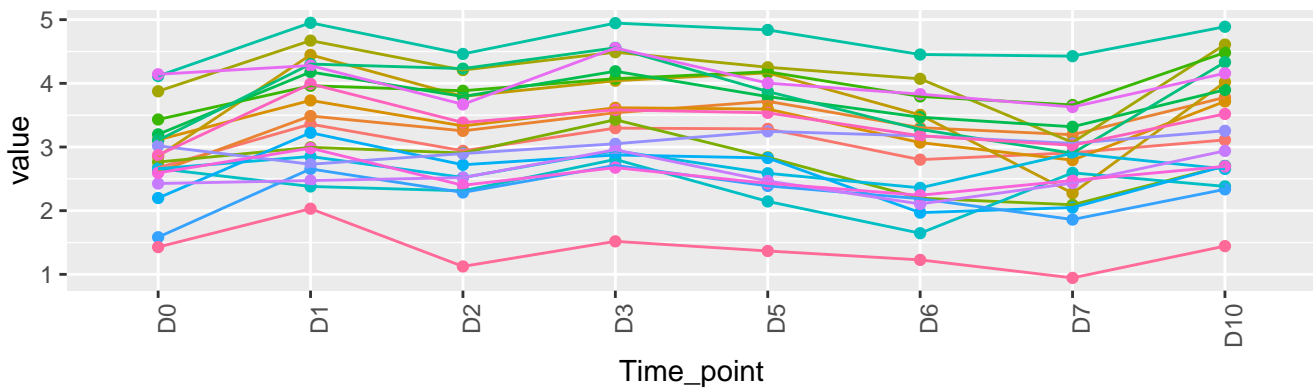
20 genes – WT-cluster-184-original



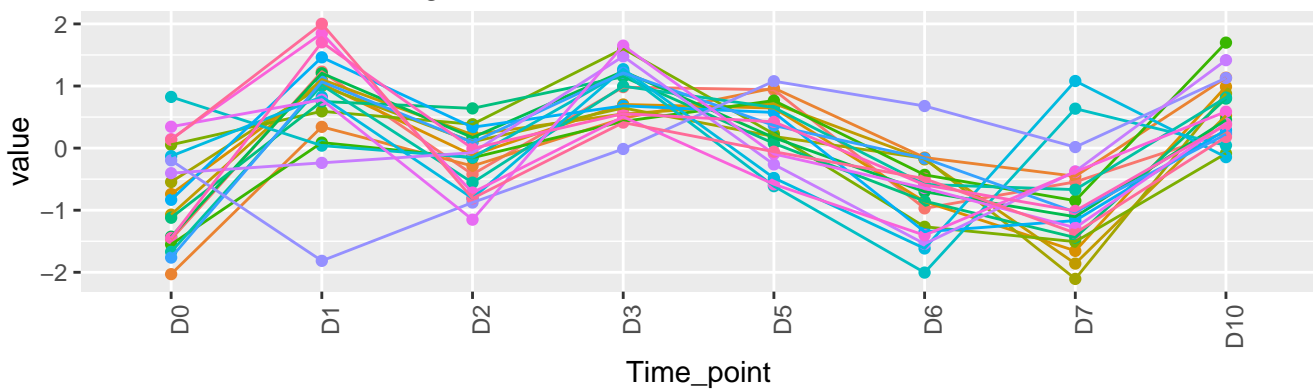
20 genes – WT-cluster-184-standardized



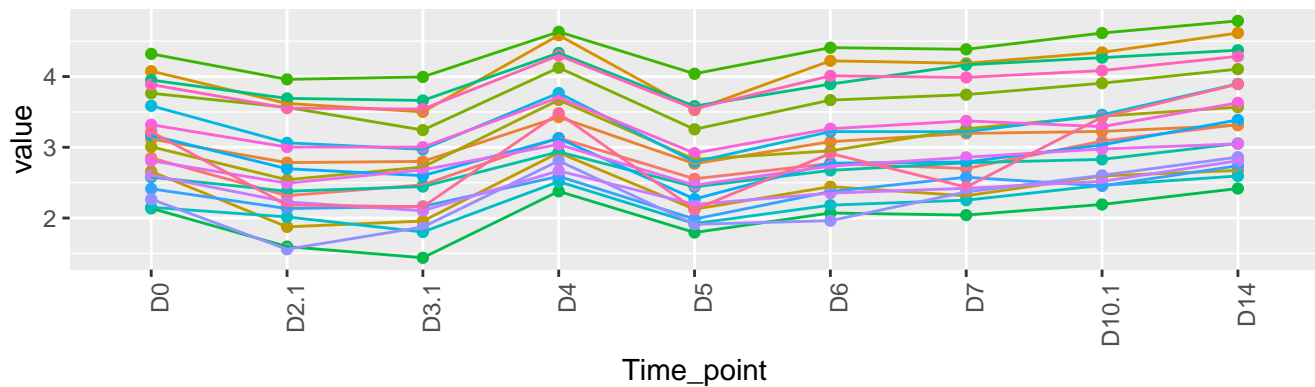
20 genes – KO-cluster-184-original



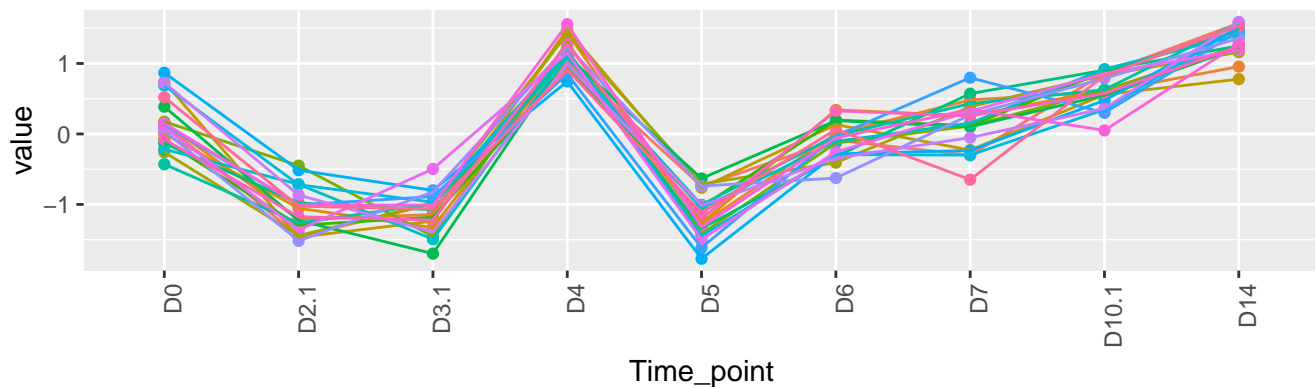
20 genes – KO-cluster-184-standardized



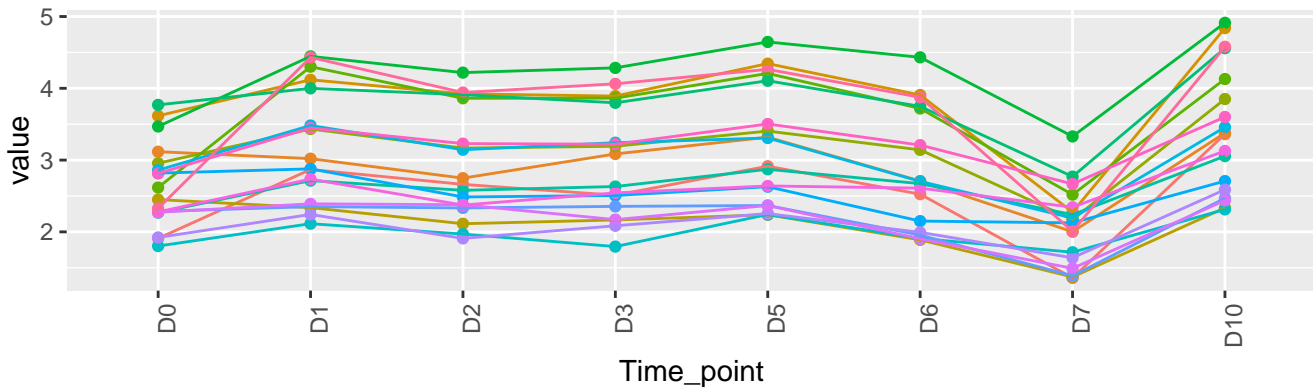
20 genes – WT-cluster-183-original



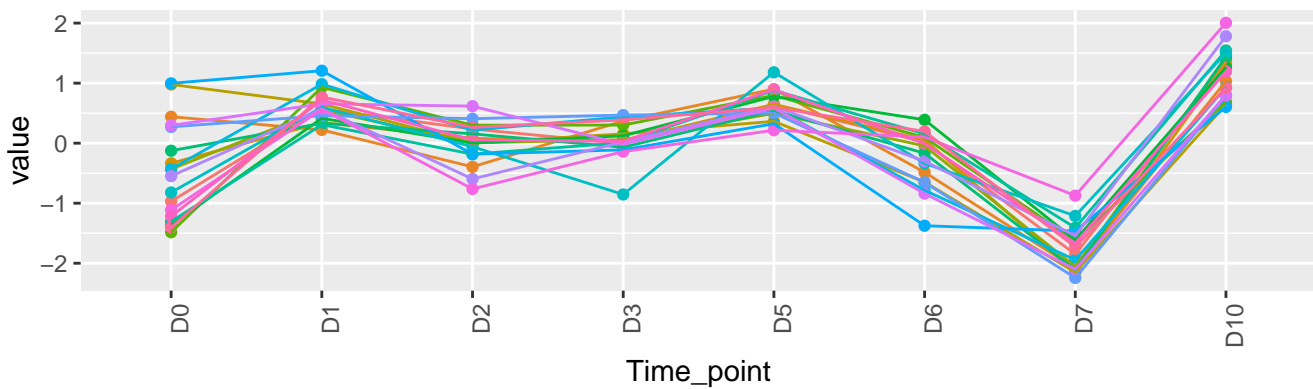
20 genes – WT-cluster-183-standardized



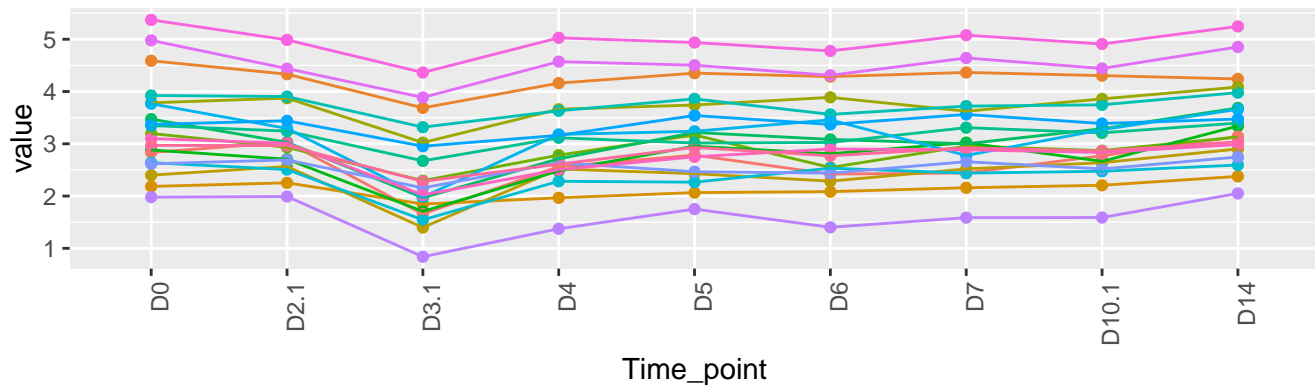
18 genes – KO-cluster-183-original



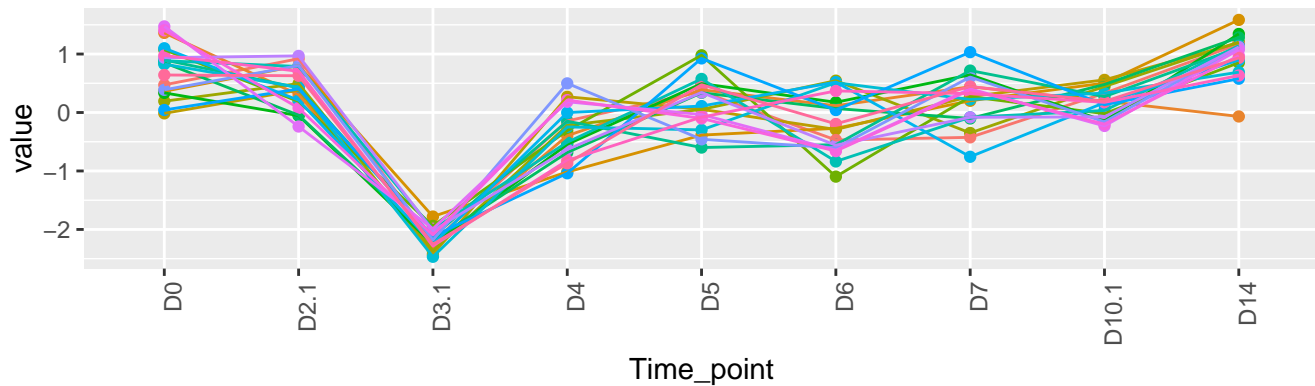
18 genes – KO-cluster-183-standardized



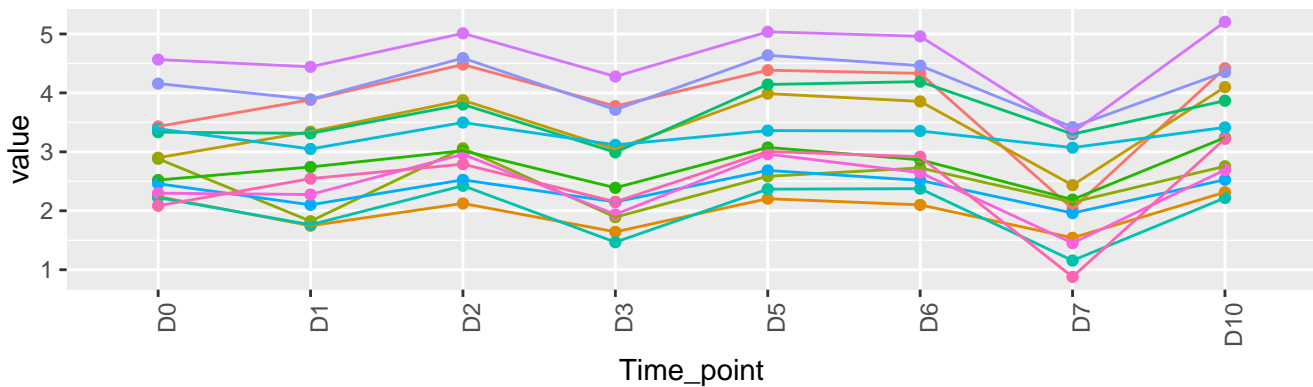
19 genes – WT-cluster-182-original



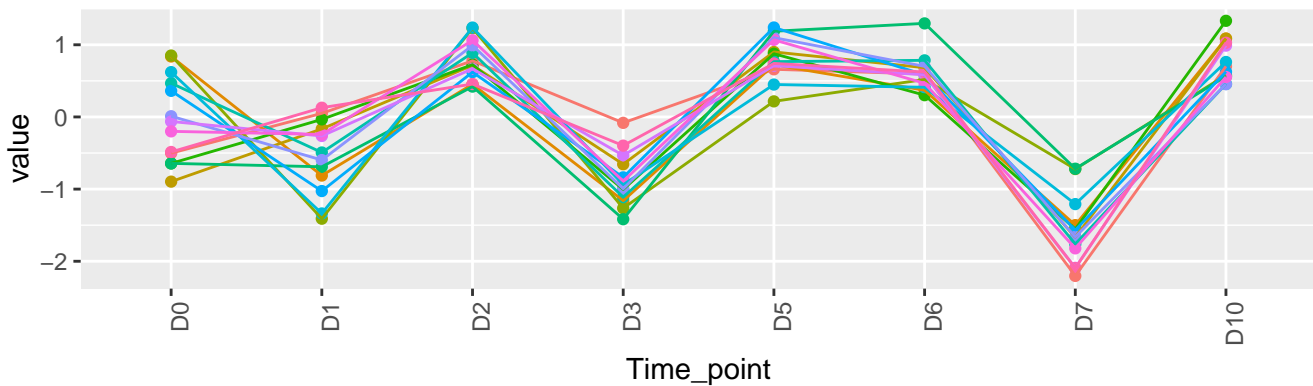
19 genes – WT-cluster-182-standardized



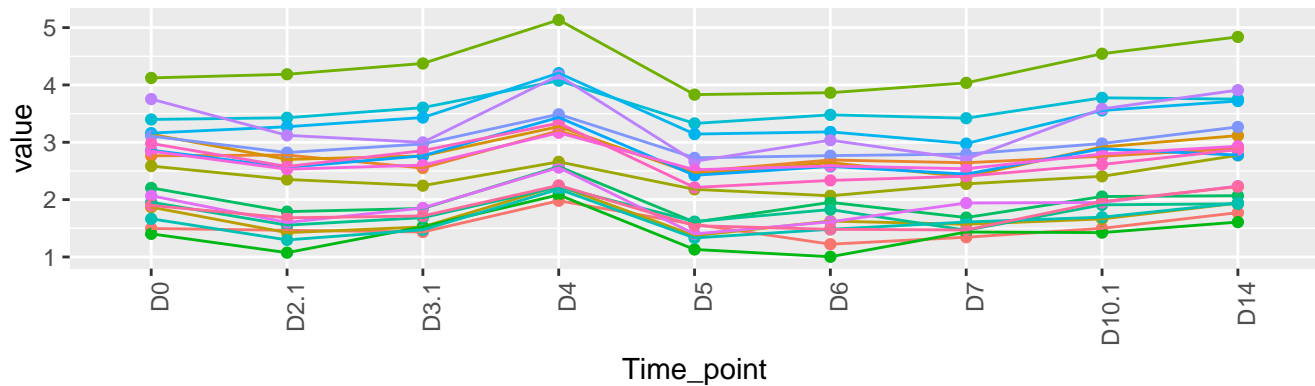
13 genes – KO-cluster-182-original



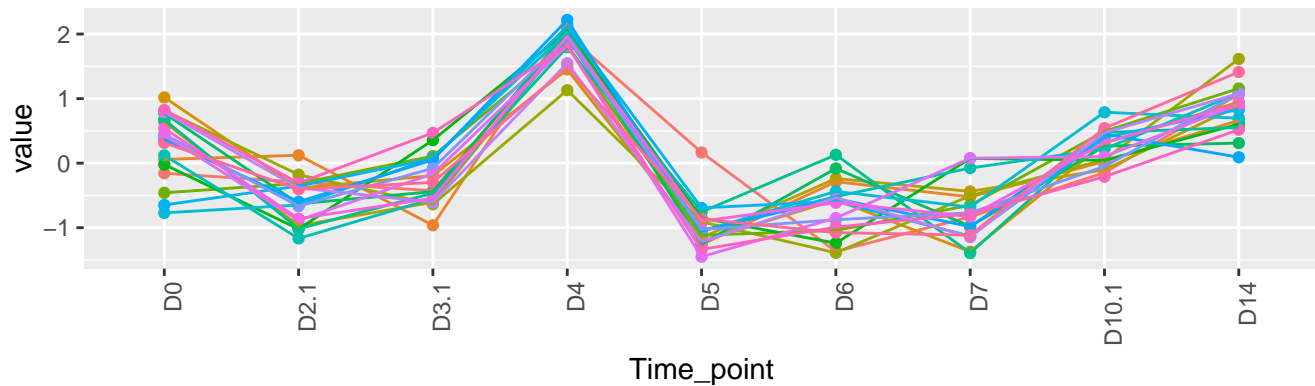
13 genes – KO-cluster-182-standardized



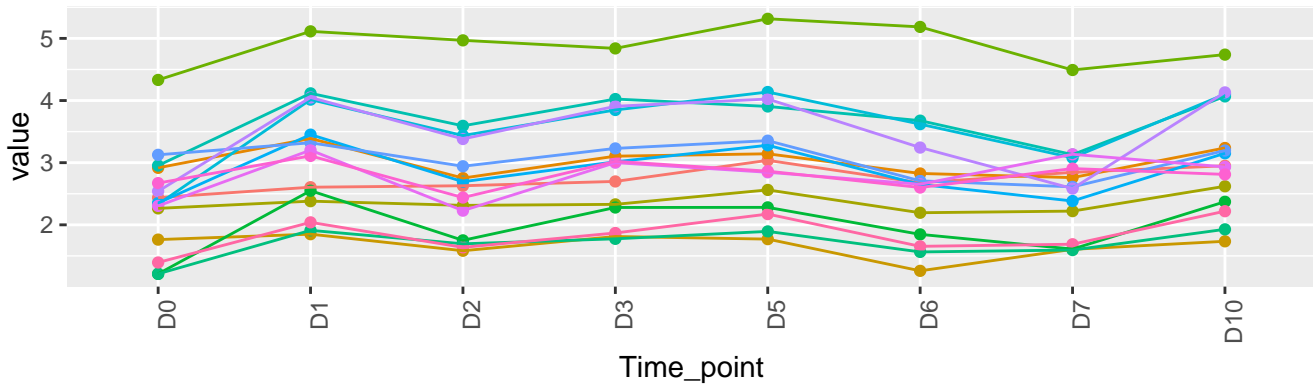
19 genes – WT-cluster-181-original



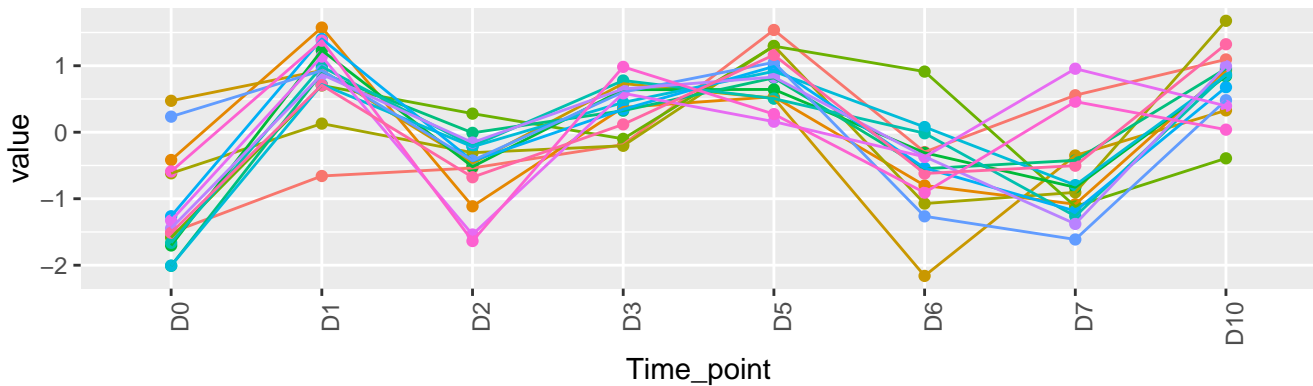
19 genes – WT-cluster-181-standardized



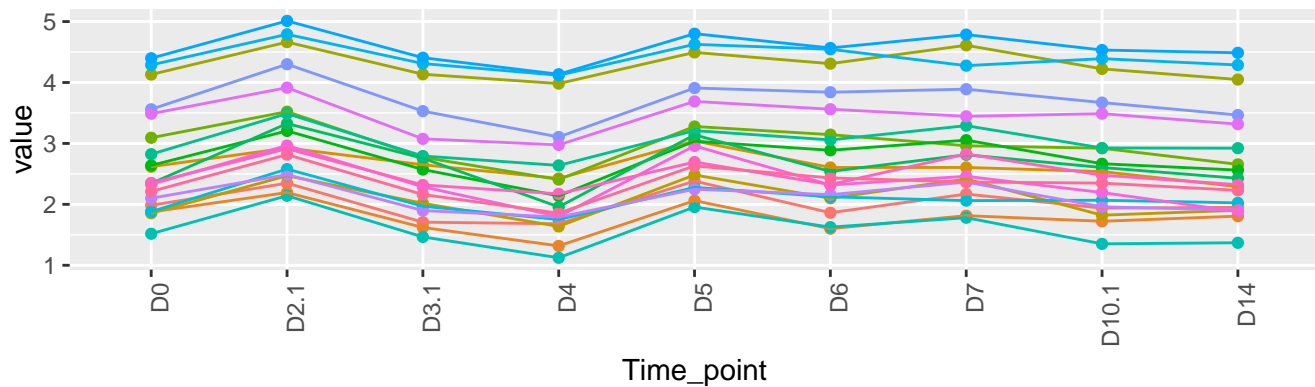
15 genes – KO-cluster-181-original



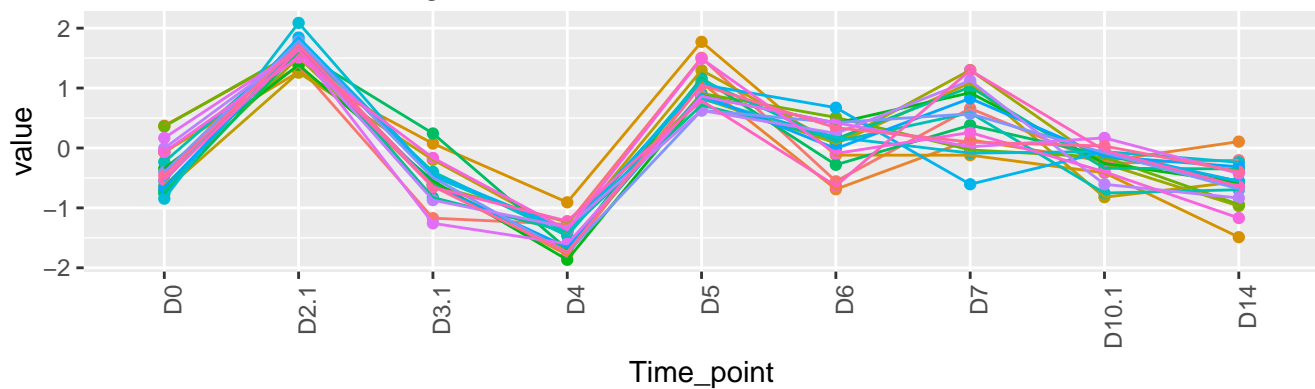
15 genes – KO-cluster-181-standardized



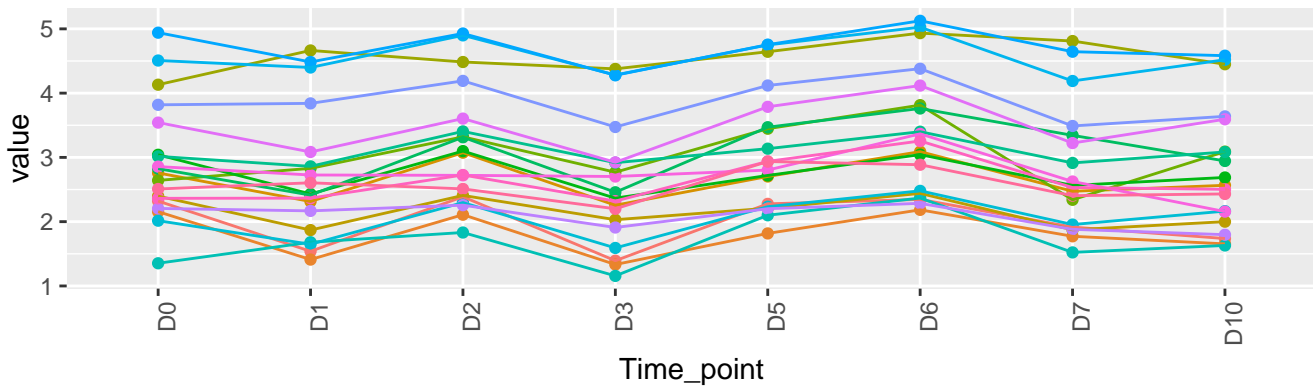
19 genes – WT-cluster-180-original



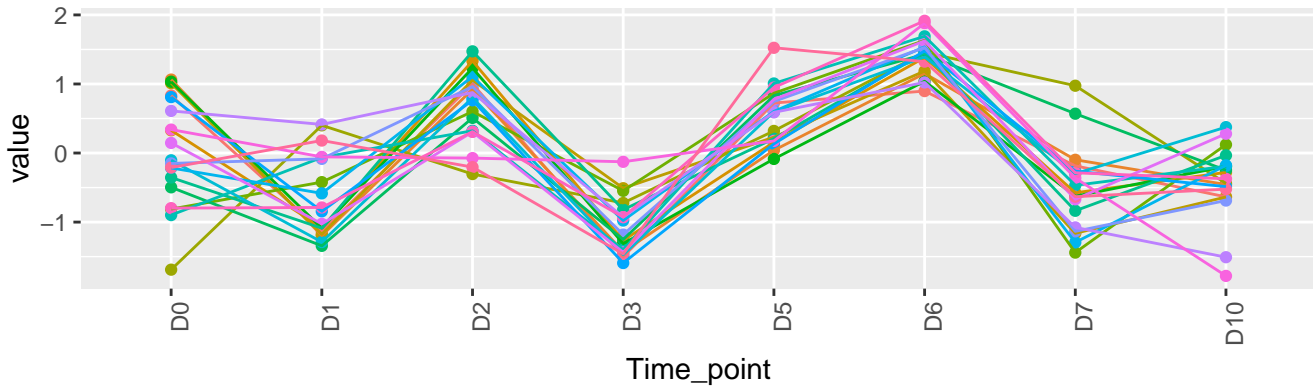
19 genes – WT-cluster-180-standardized



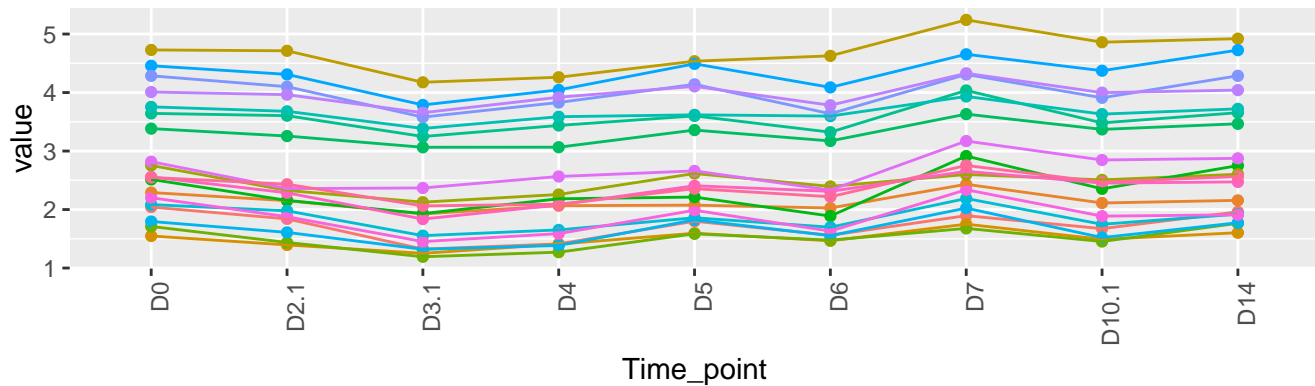
19 genes – KO-cluster-180-original



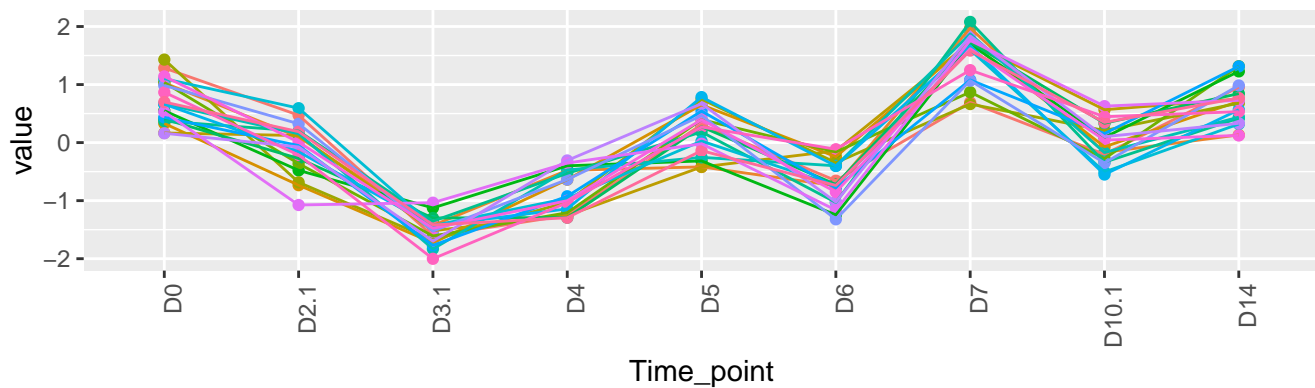
19 genes – KO-cluster-180-standardized



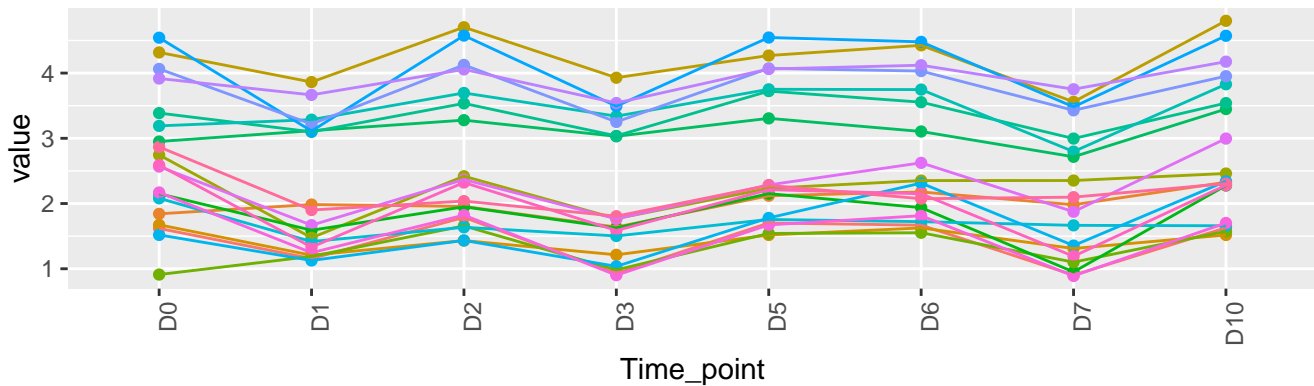
19 genes – WT-cluster-179-original



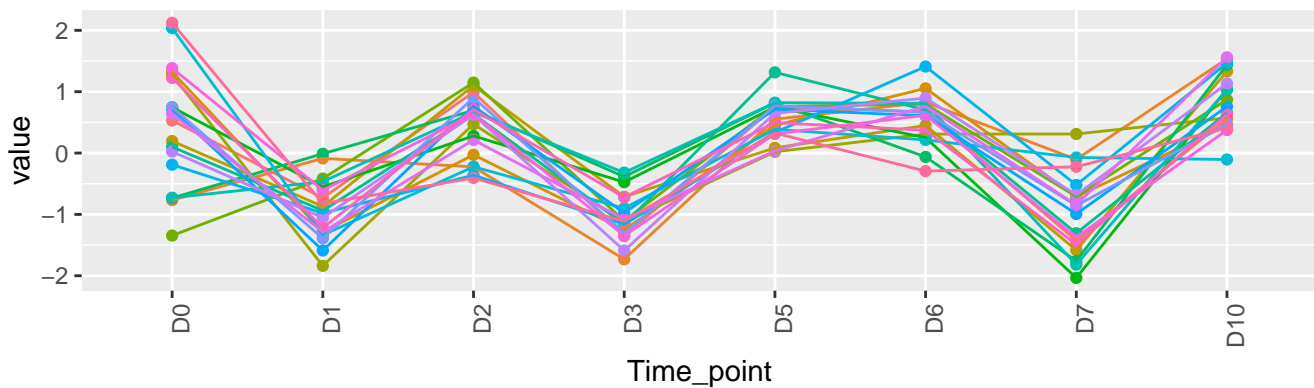
19 genes – WT-cluster-179-standardized



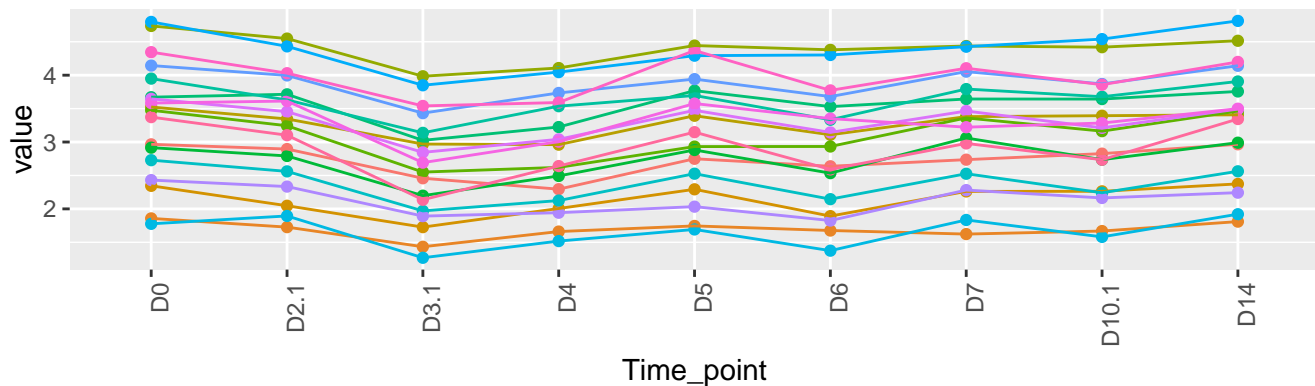
19 genes – KO-cluster-179-original



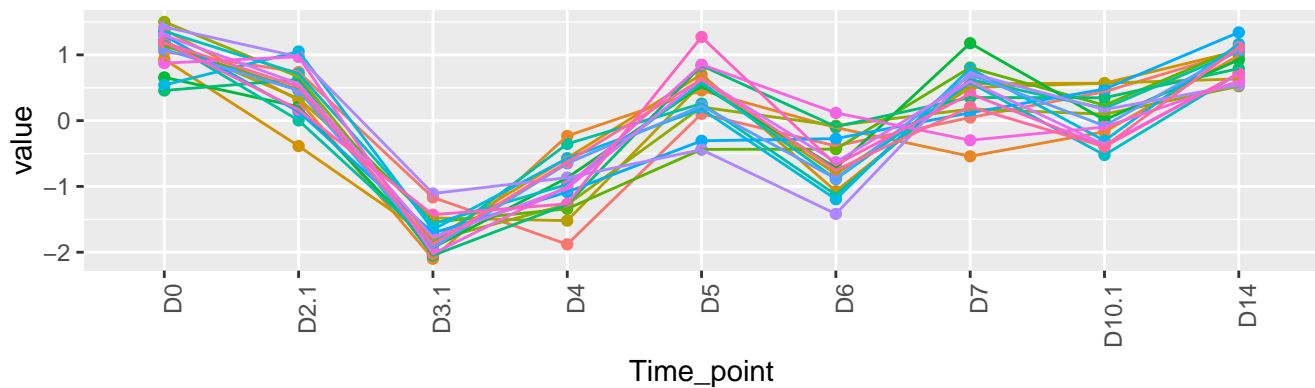
19 genes – KO-cluster-179-standardized



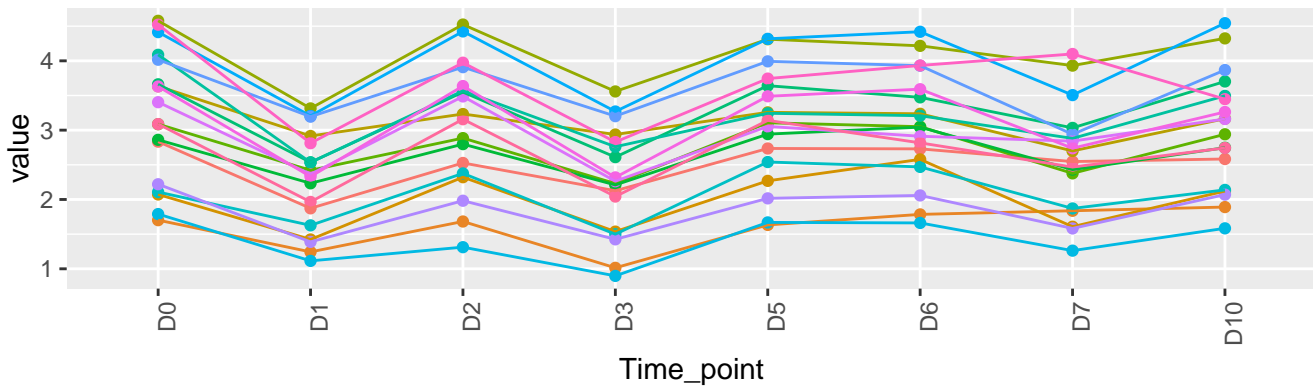
18 genes – WT-cluster-178-original



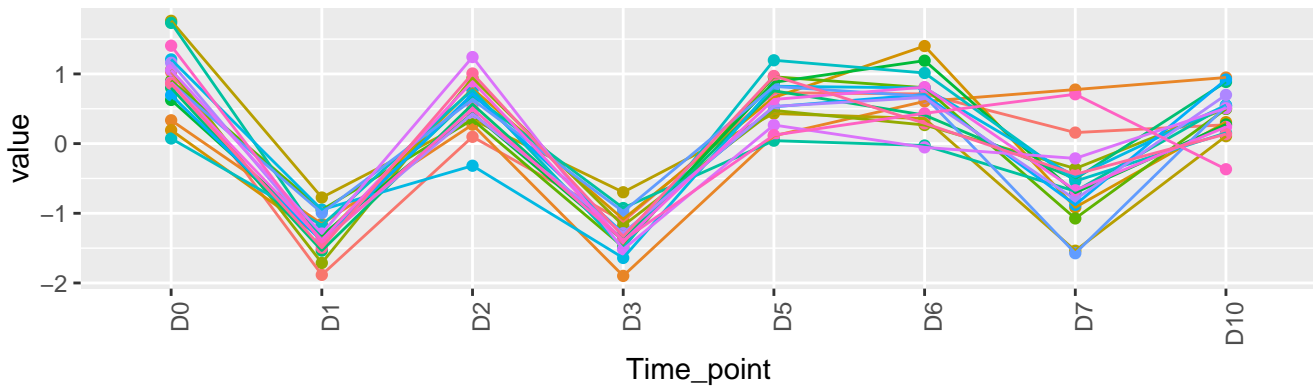
18 genes – WT-cluster-178-standardized



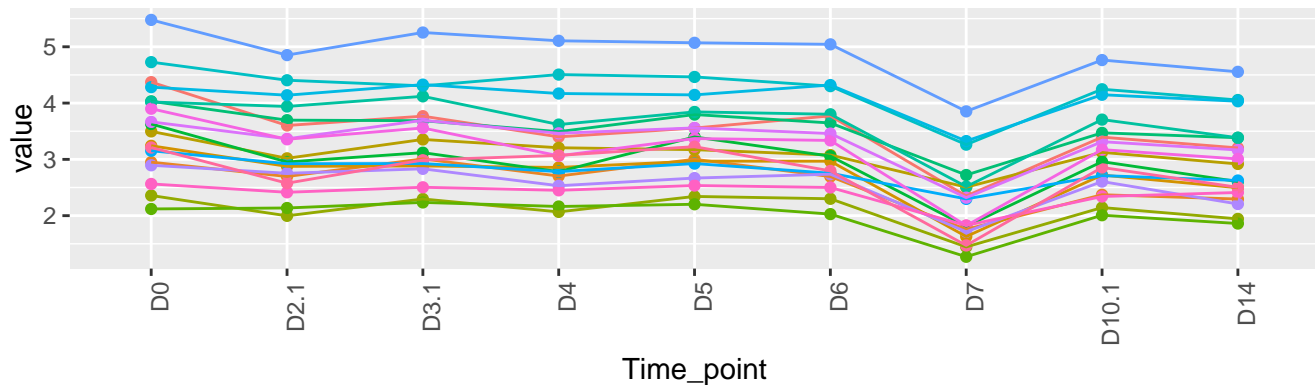
18 genes – KO-cluster-178-original



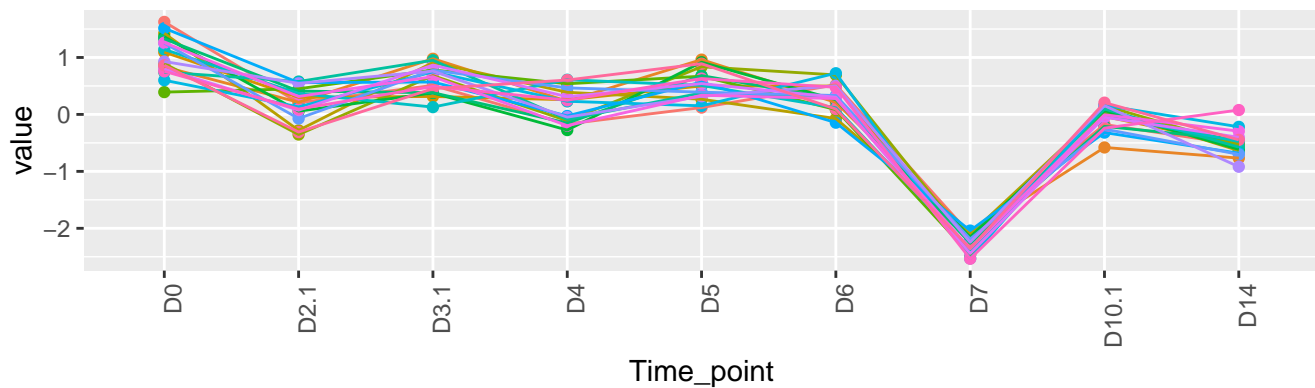
18 genes – KO-cluster-178-standardized



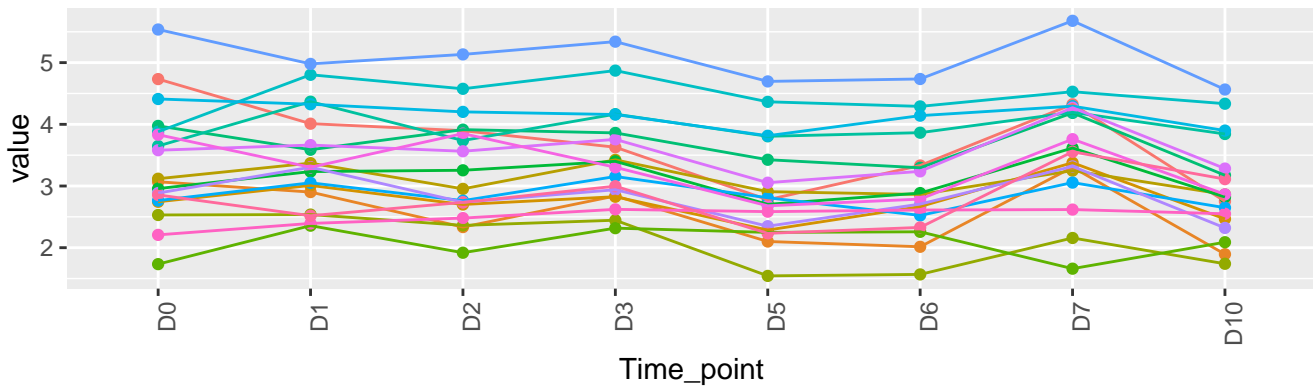
18 genes – WT-cluster-177-original



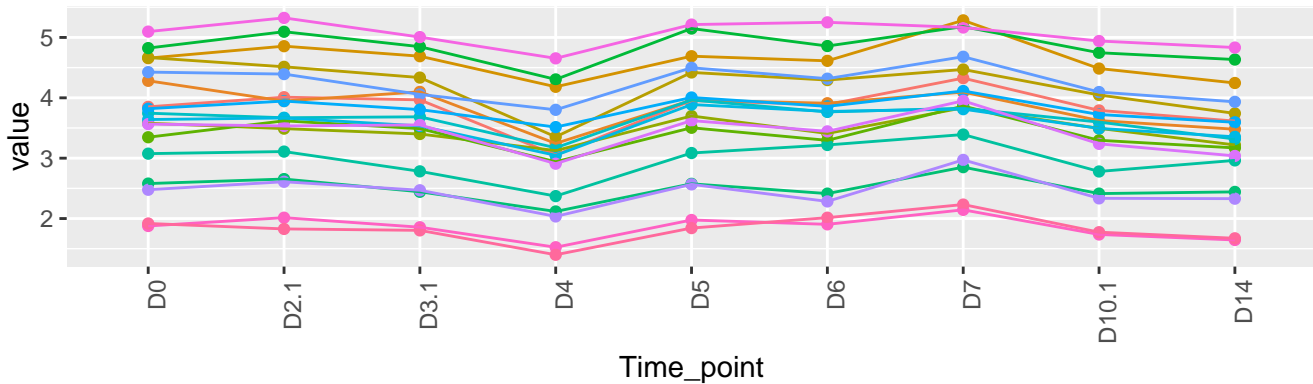
18 genes – WT-cluster-177-standardized



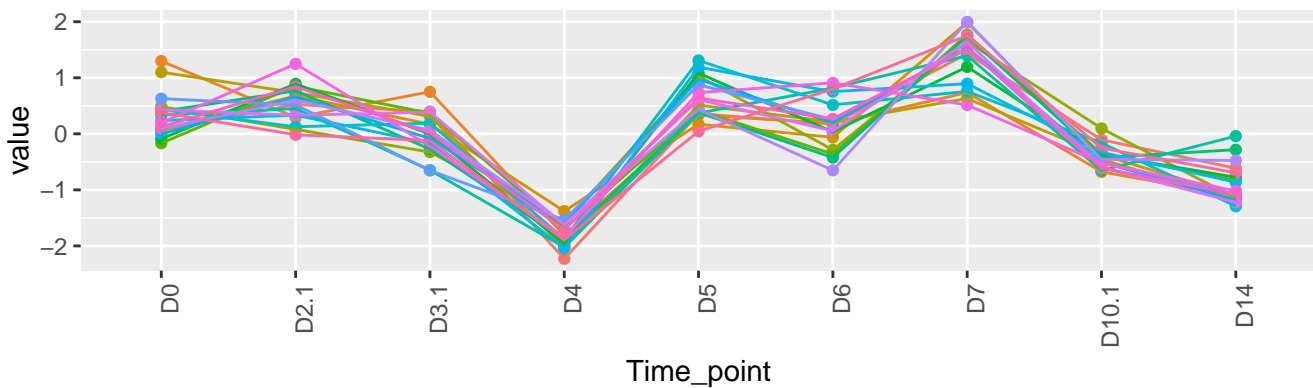
18 genes – KO-cluster-177-original



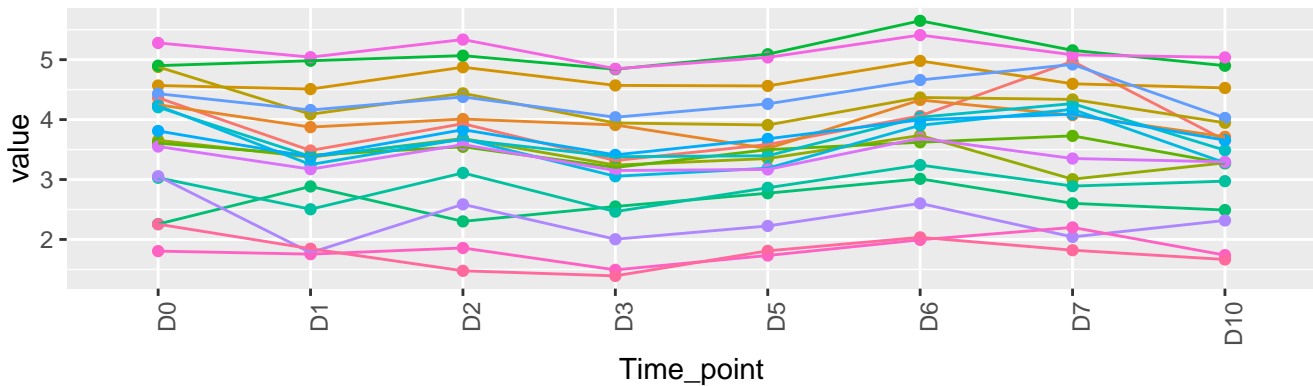
18 genes – WT-cluster-176-original



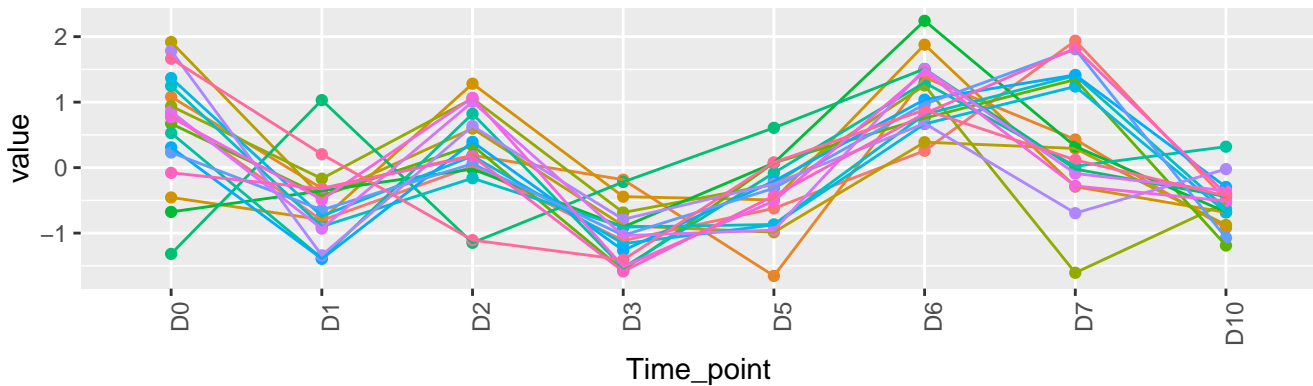
18 genes – WT-cluster-176-standardized



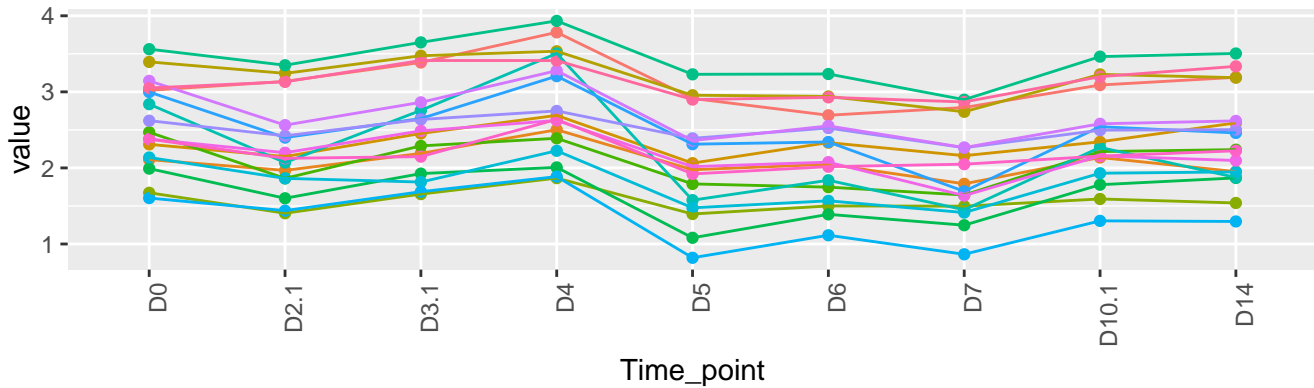
18 genes – KO-cluster-176-original



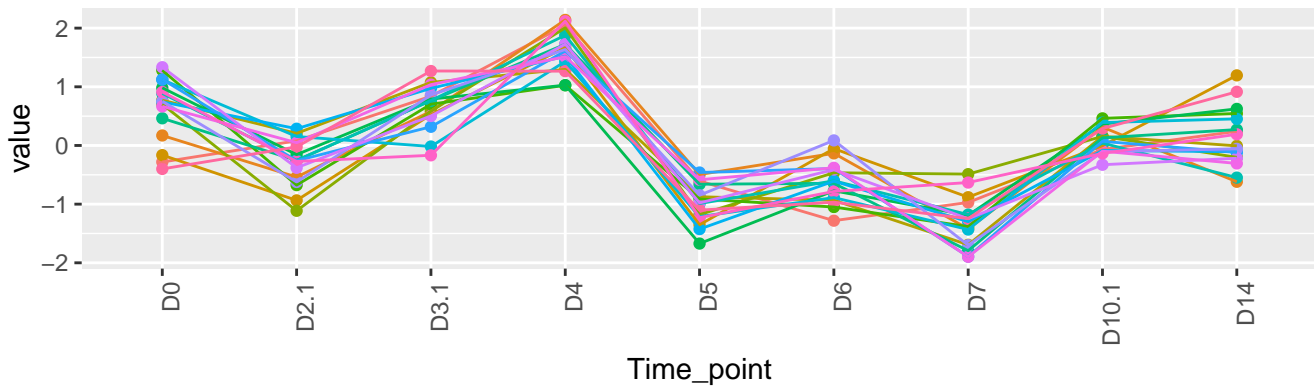
18 genes – KO-cluster-176-standardized



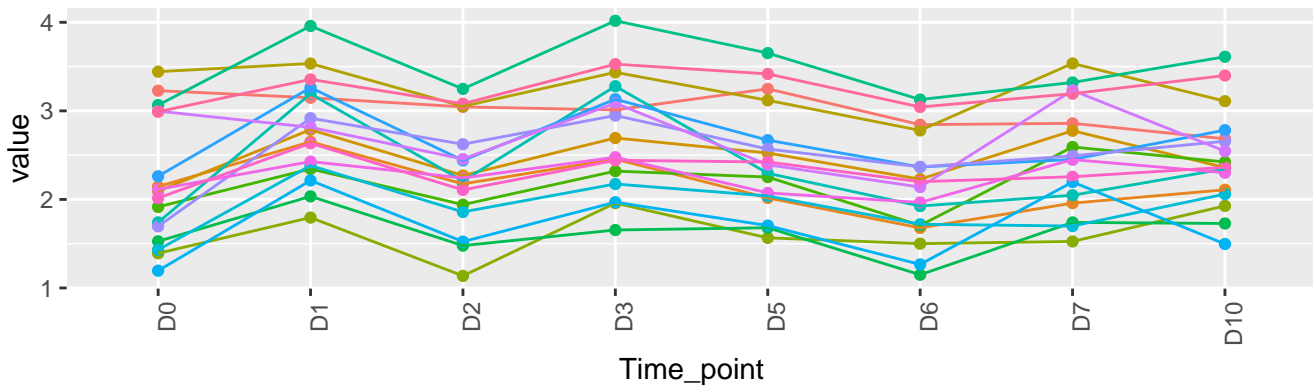
17 genes – WT-cluster-175-original



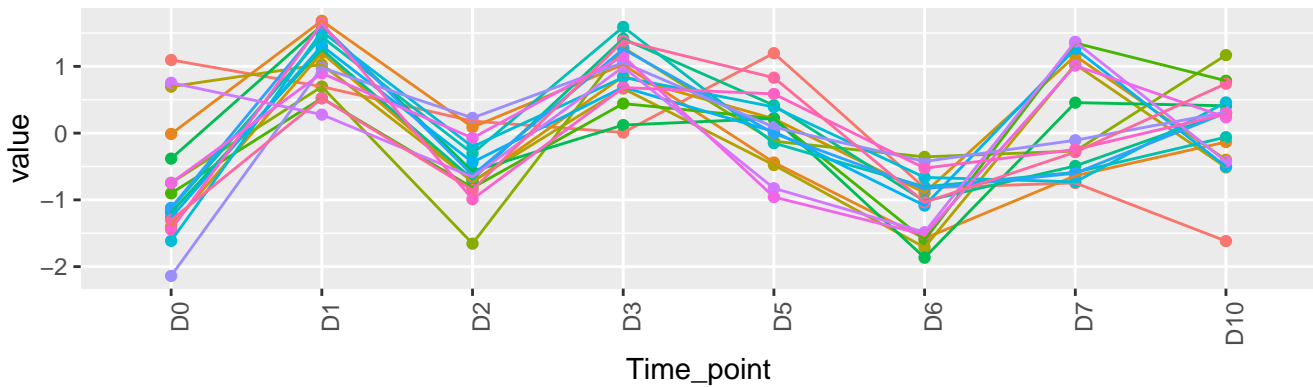
17 genes – WT-cluster-175-standardized



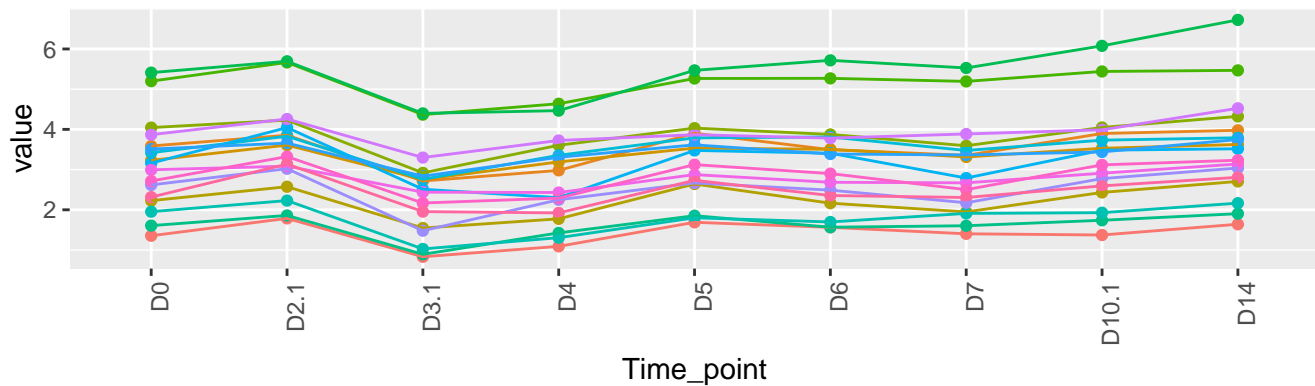
17 genes – KO-cluster-175–original



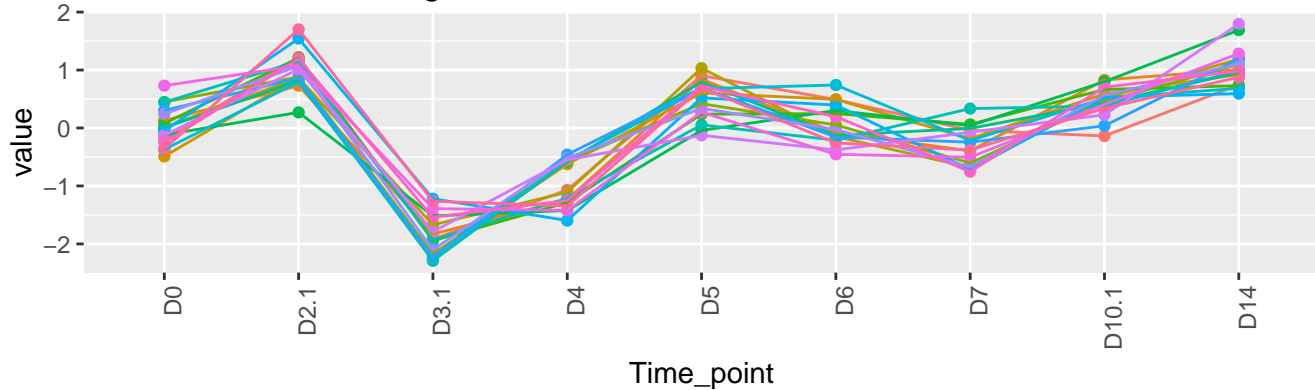
17 genes – KO-cluster-175–standardized



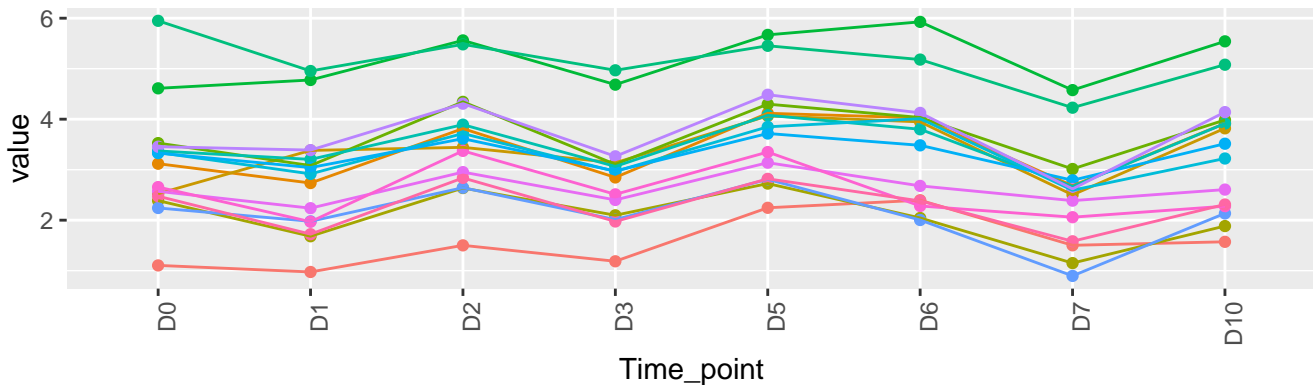
17 genes – WT-cluster-174-original



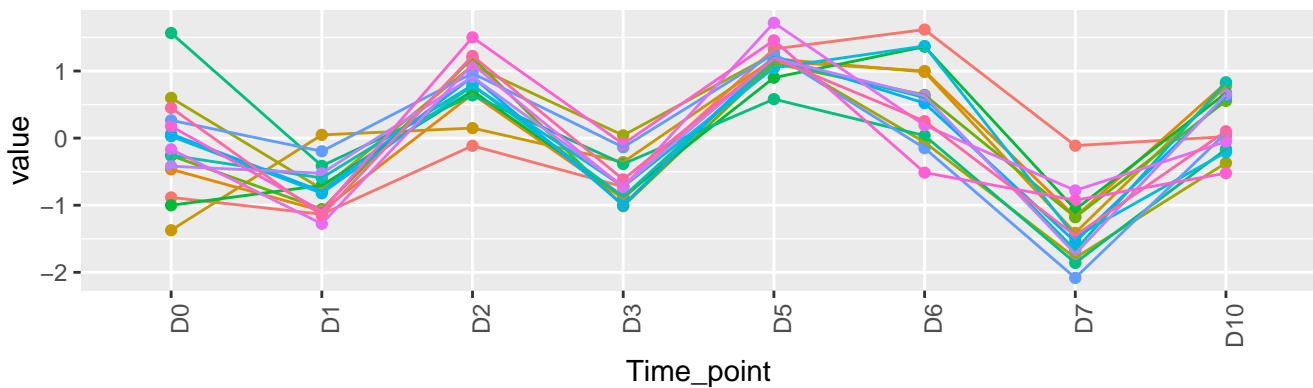
17 genes – WT-cluster-174-standardized



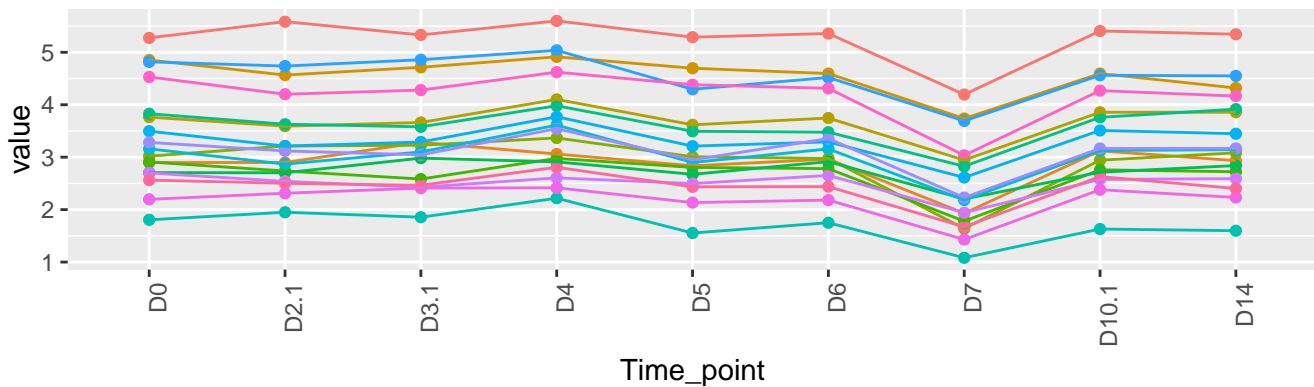
15 genes – KO-cluster-174-original



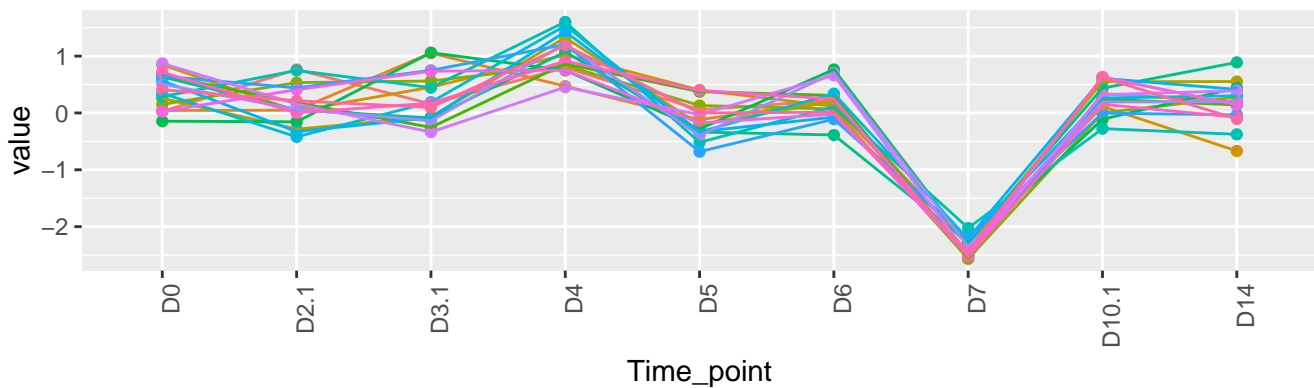
15 genes – KO-cluster-174-standardized



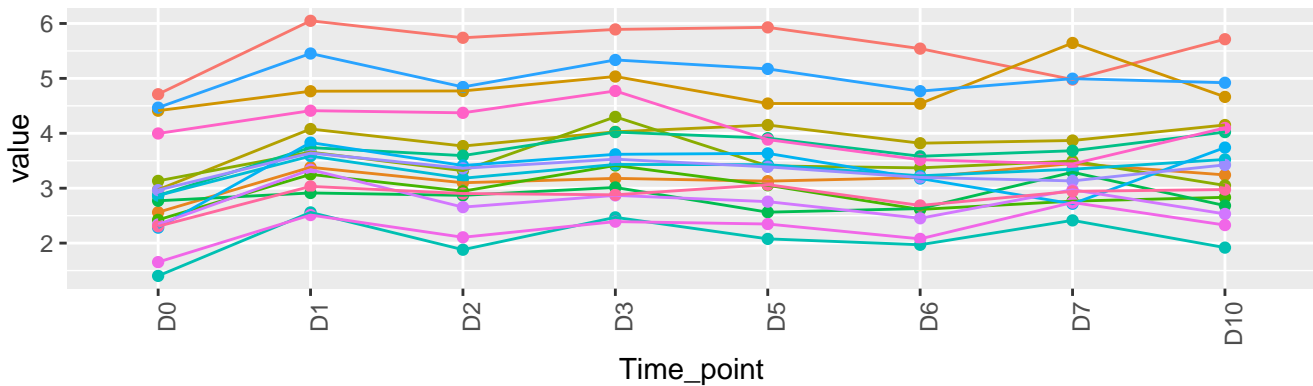
17 genes – WT-cluster-173-original



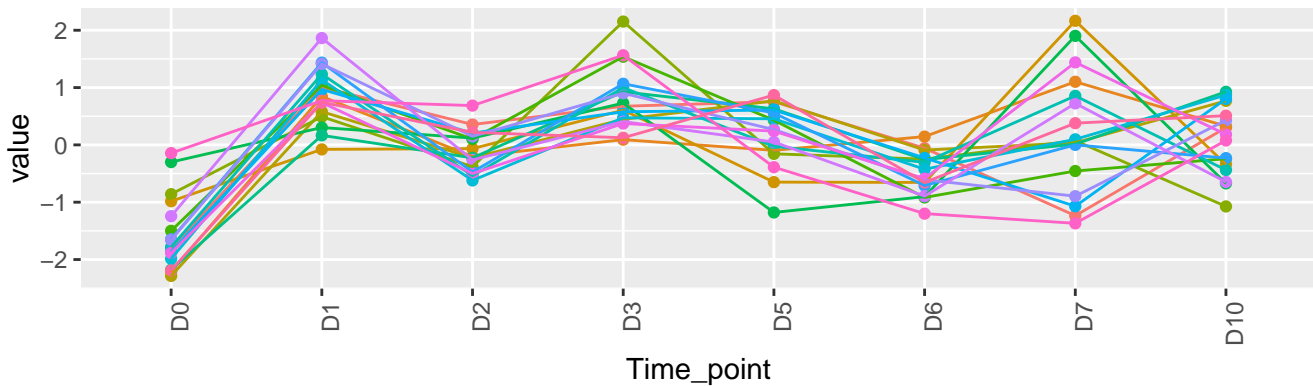
17 genes – WT-cluster-173-standardized



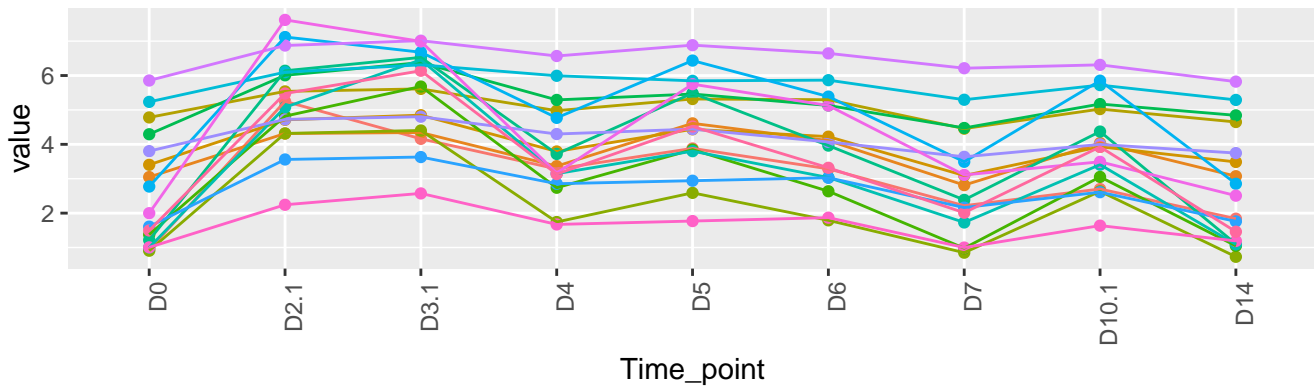
17 genes – KO-cluster-173-original



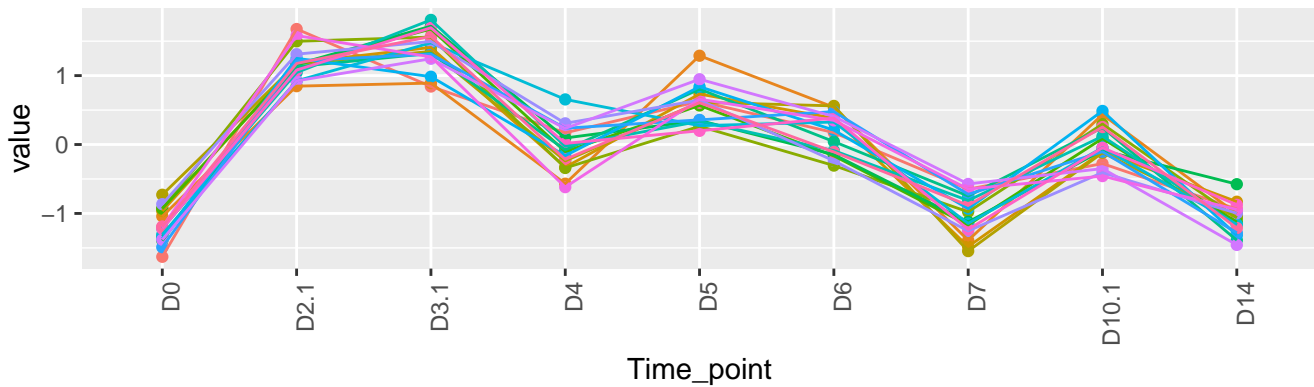
17 genes – KO-cluster-173-standardized



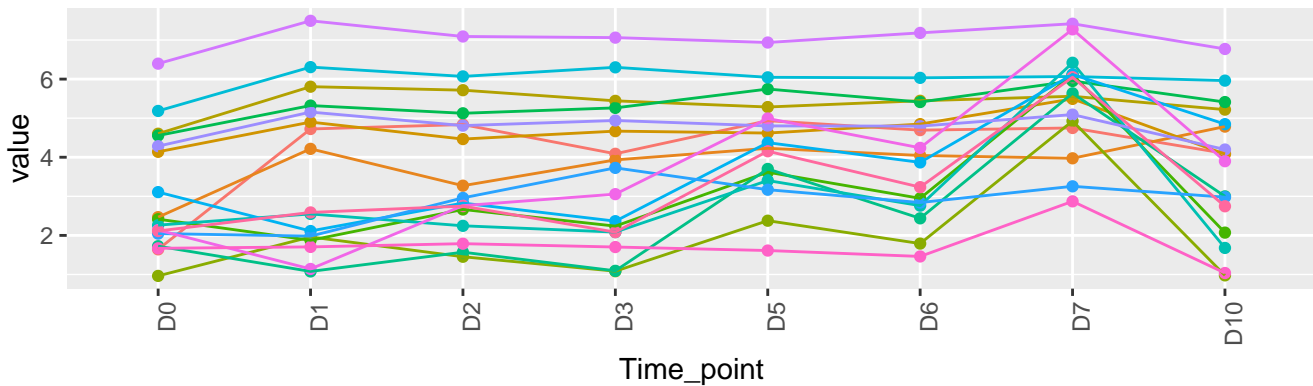
17 genes – WT-cluster-172-original



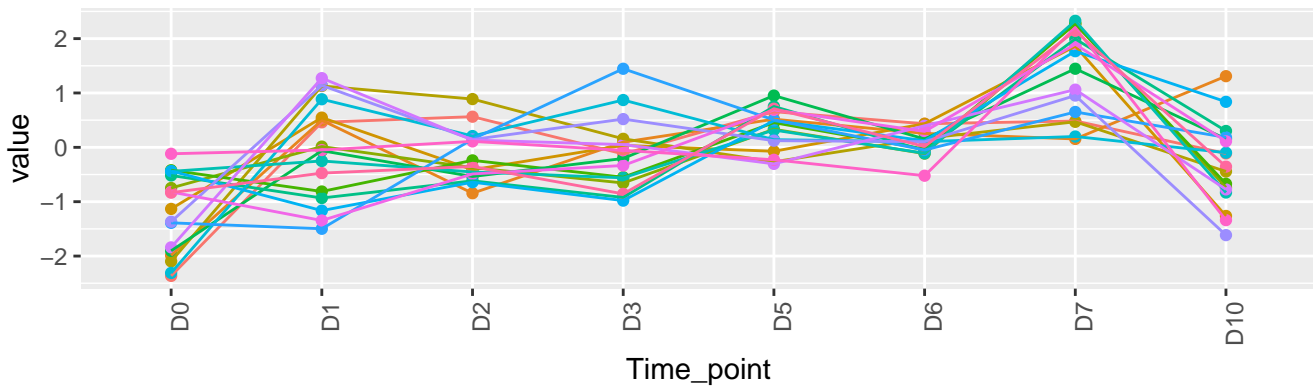
17 genes – WT-cluster-172-standardized



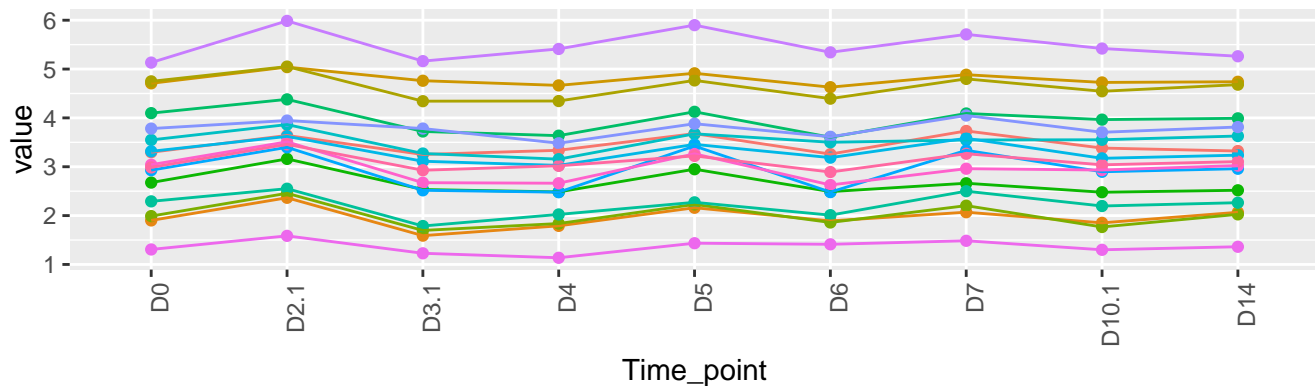
17 genes – KO-cluster-172-original



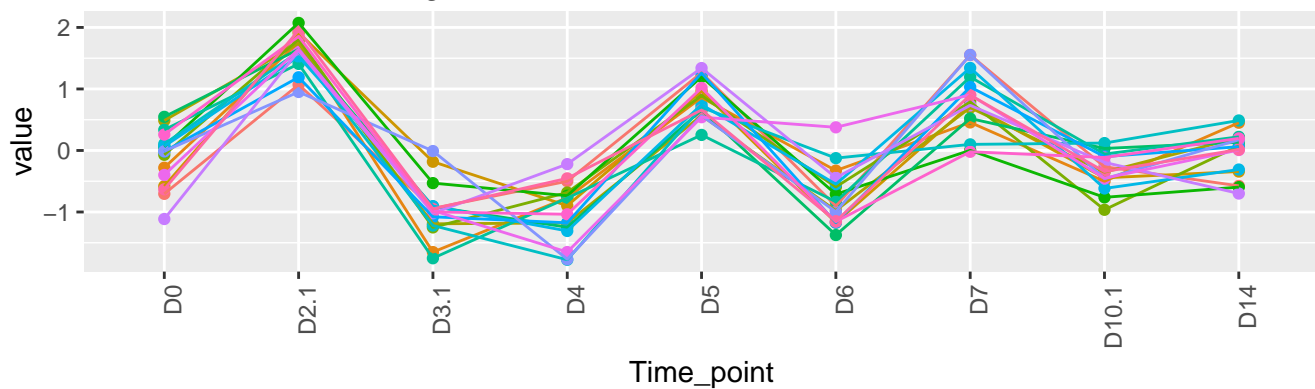
17 genes – KO-cluster-172-standardized



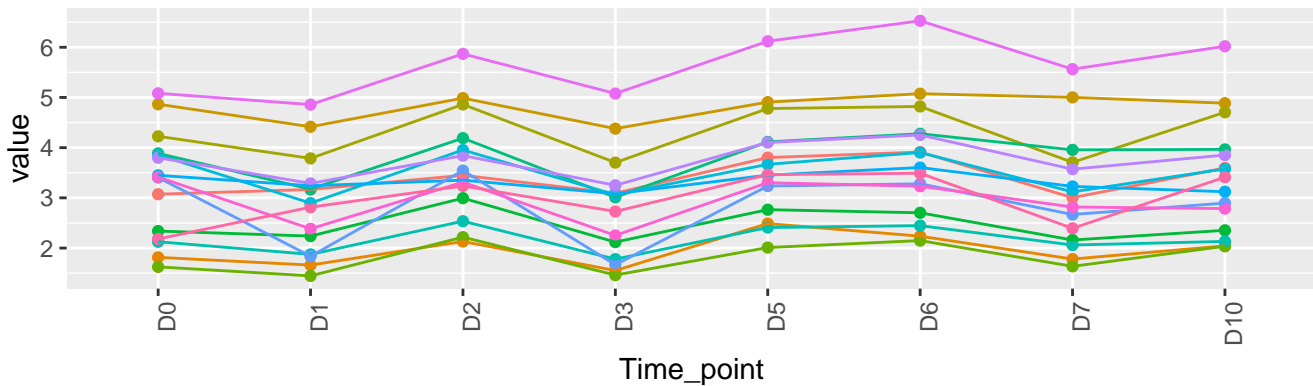
16 genes – WT-cluster-171-original



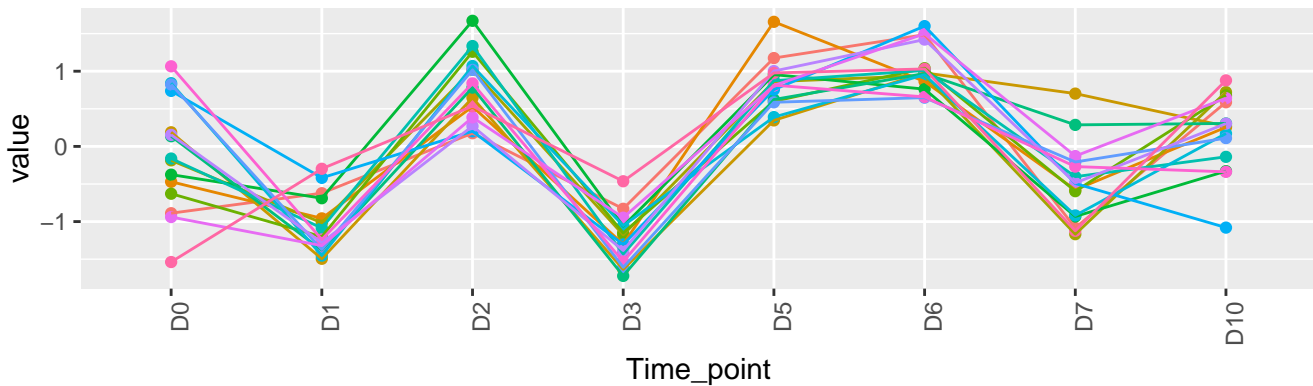
16 genes – WT-cluster-171-standardized



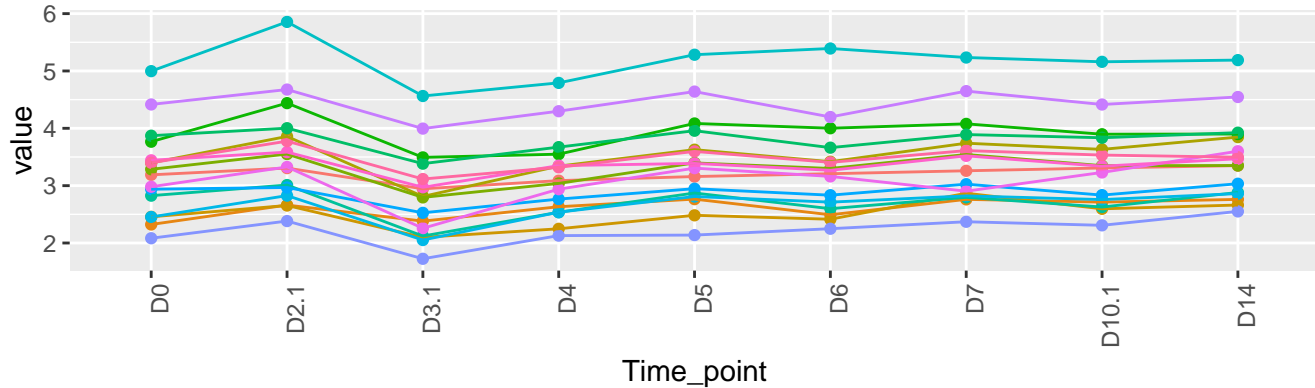
15 genes – KO-cluster-171-original



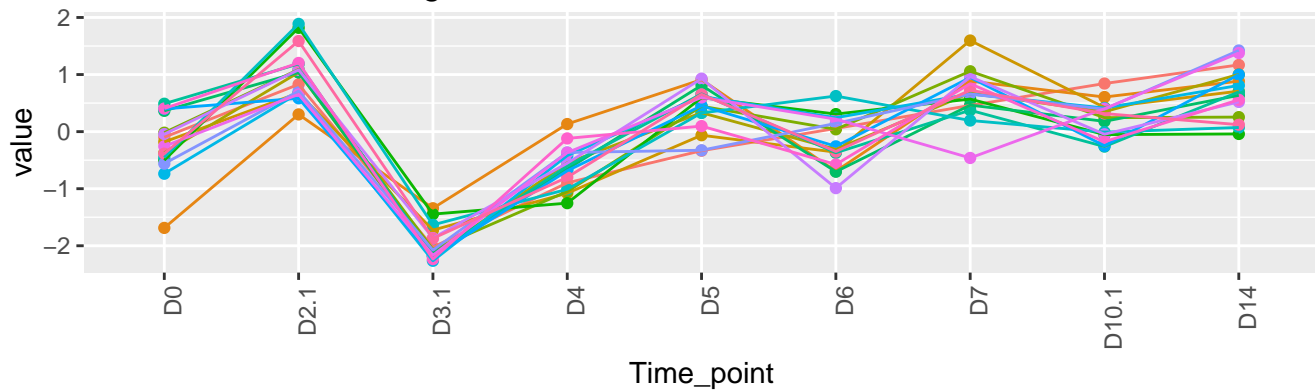
15 genes – KO-cluster-171-standardized



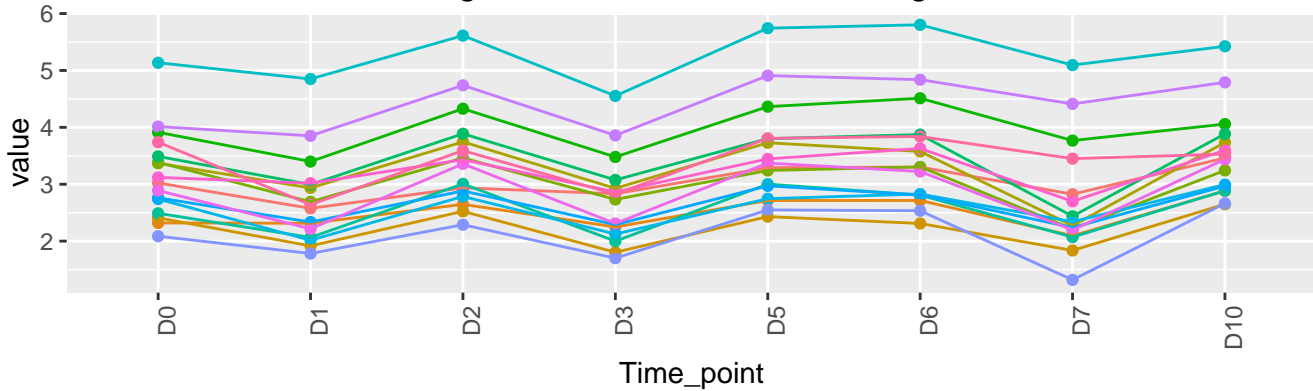
16 genes – WT-cluster-170-original



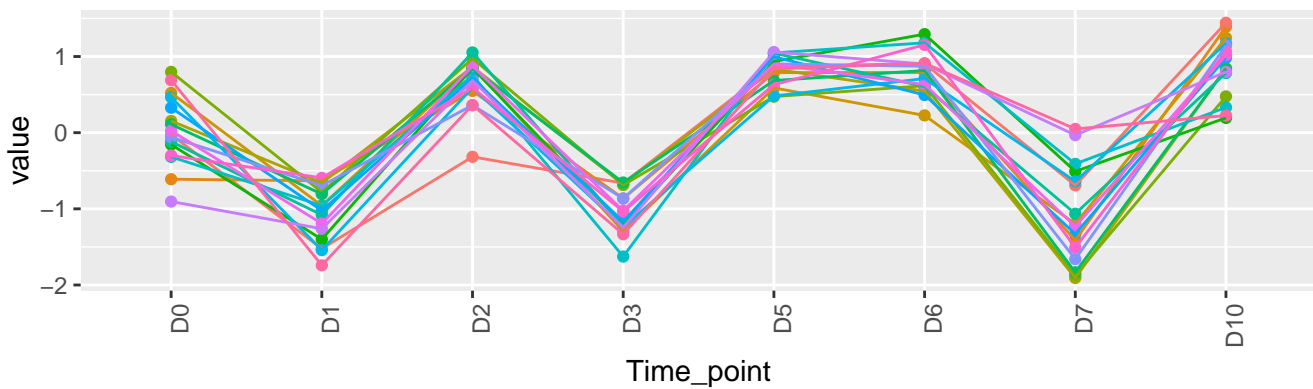
16 genes – WT-cluster-170-standardized



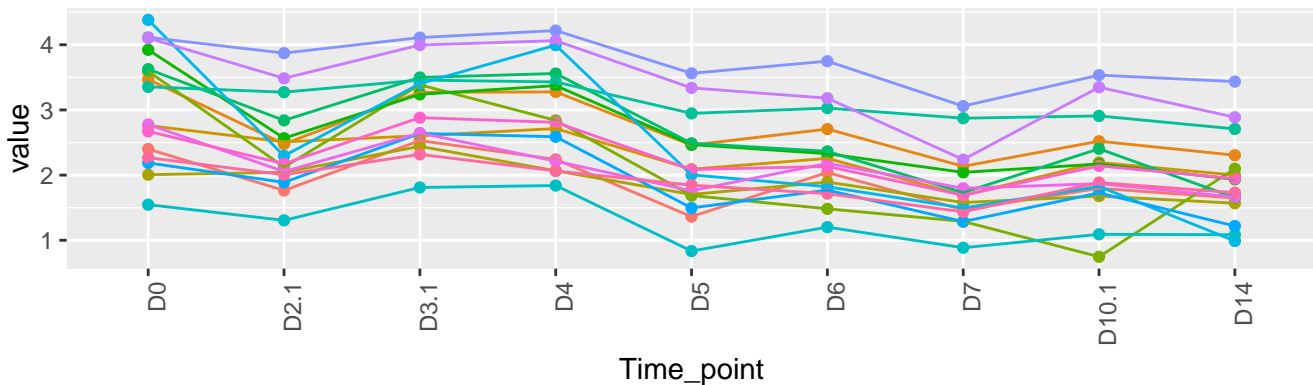
16 genes – KO-cluster-170-original



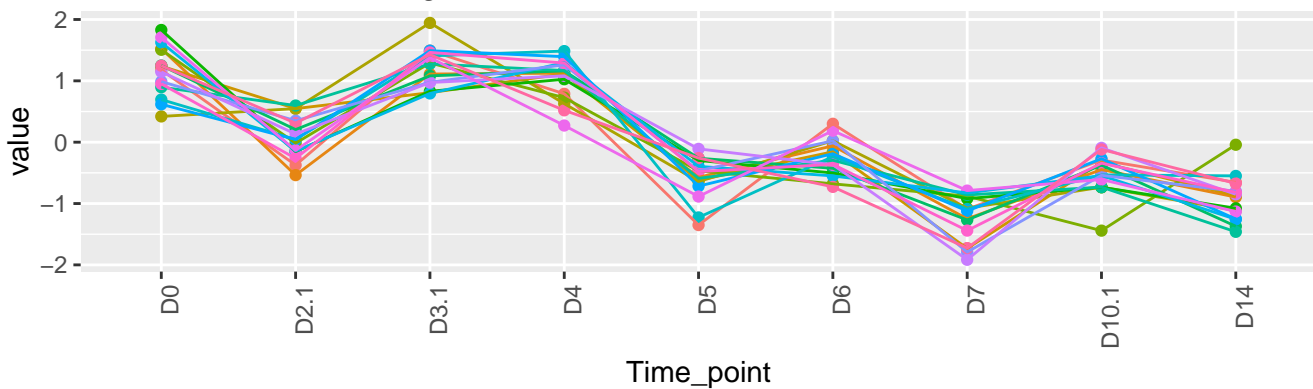
16 genes – KO-cluster-170-standardized



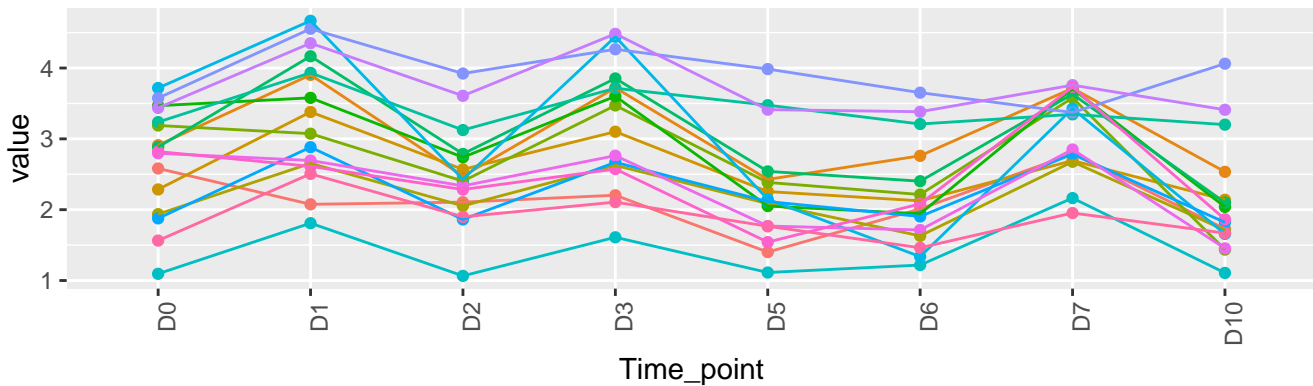
16 genes – WT-cluster-169-original



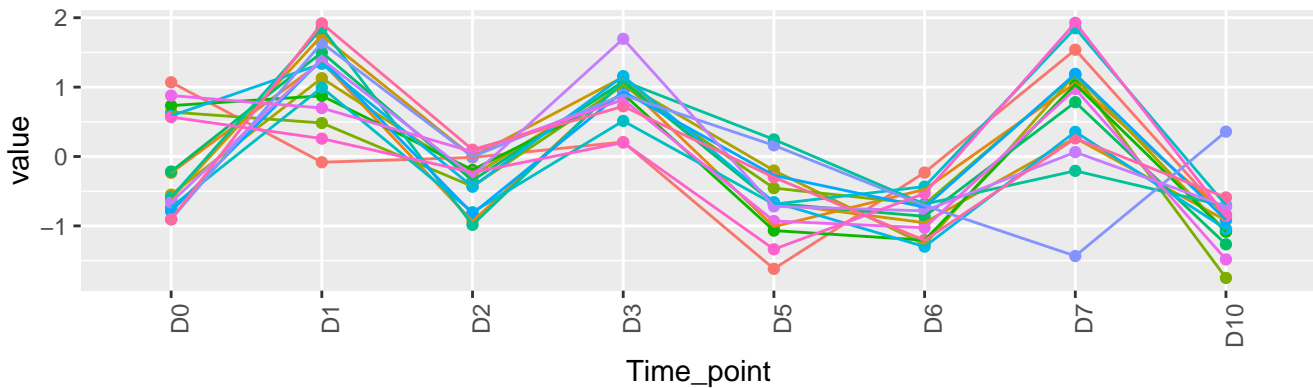
16 genes – WT-cluster-169-standardized



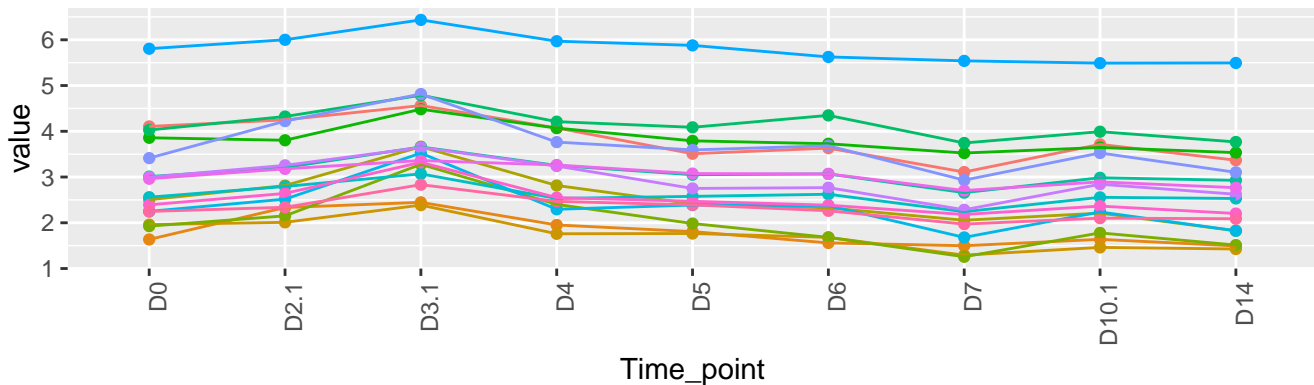
16 genes – KO-cluster-169-original



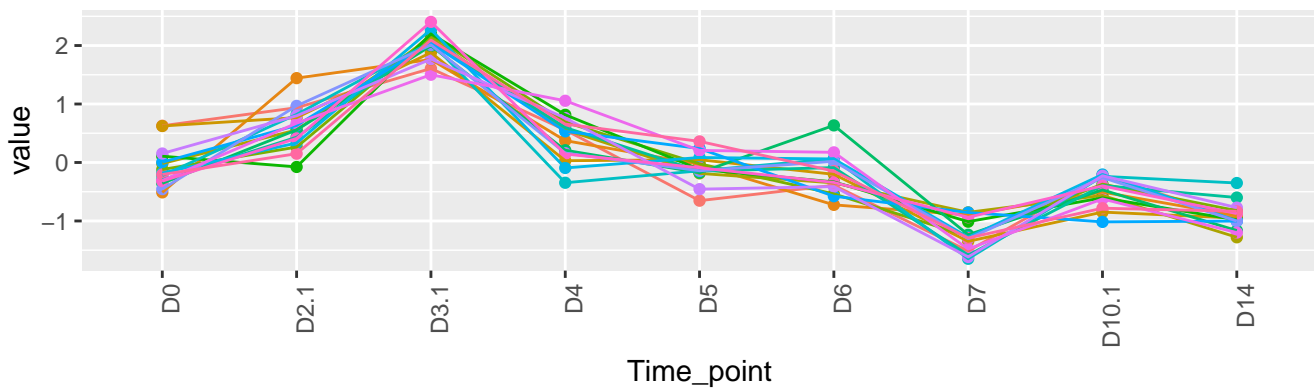
16 genes – KO-cluster-169-standardized



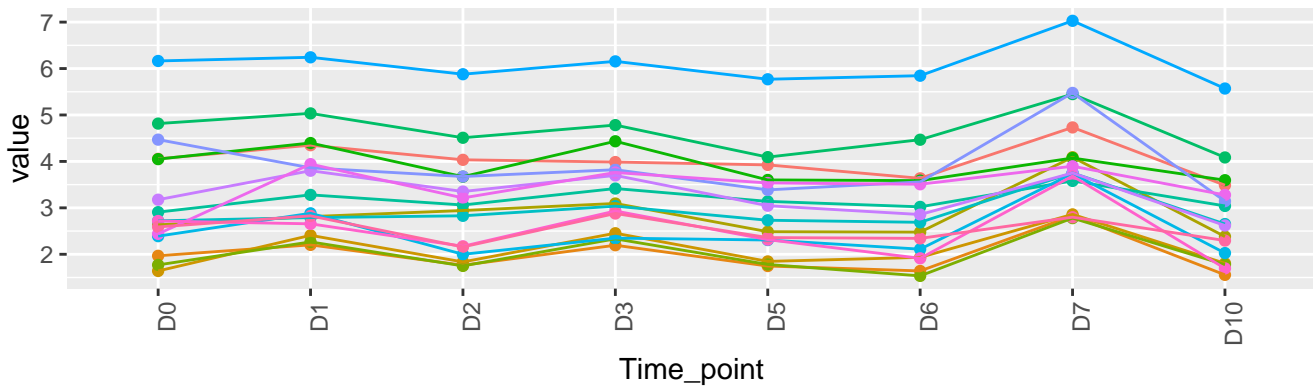
16 genes – WT-cluster-168-original



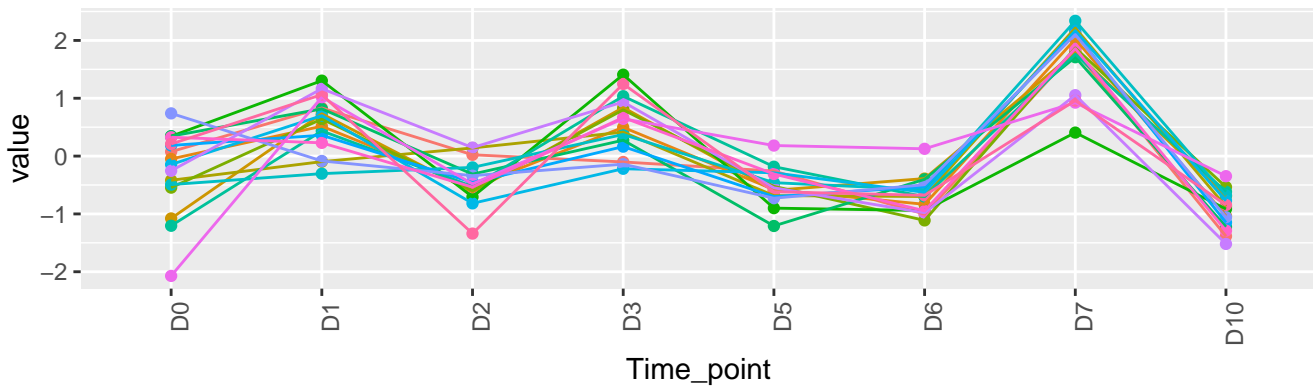
16 genes – WT-cluster-168-standardized



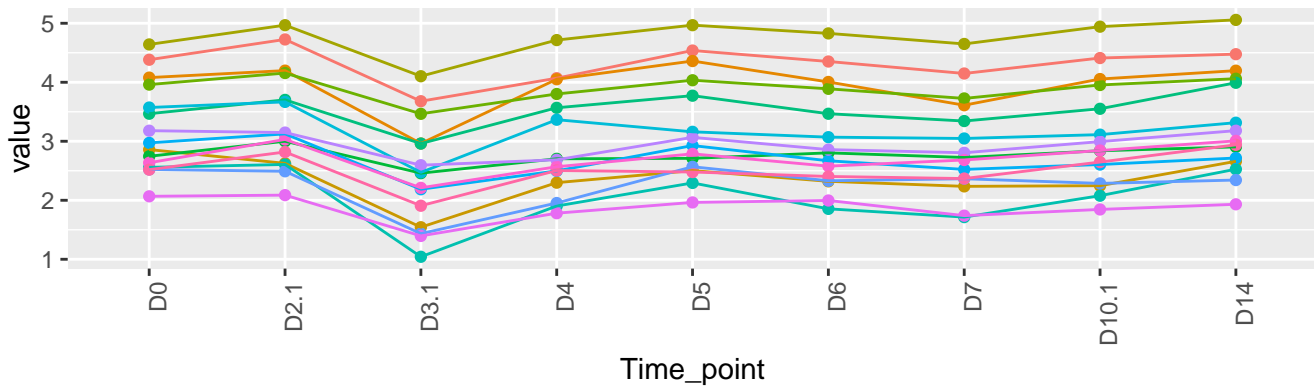
16 genes – KO-cluster-168-original



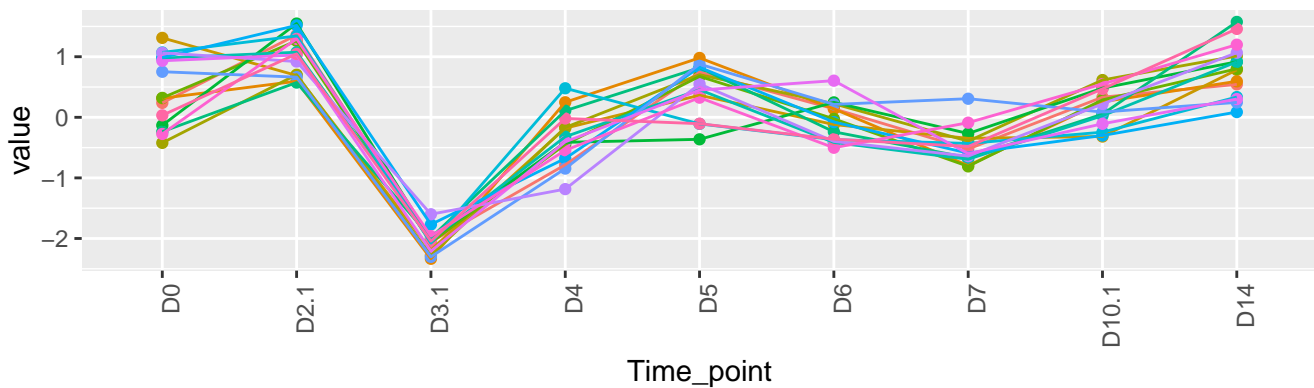
16 genes – KO-cluster-168-standardized



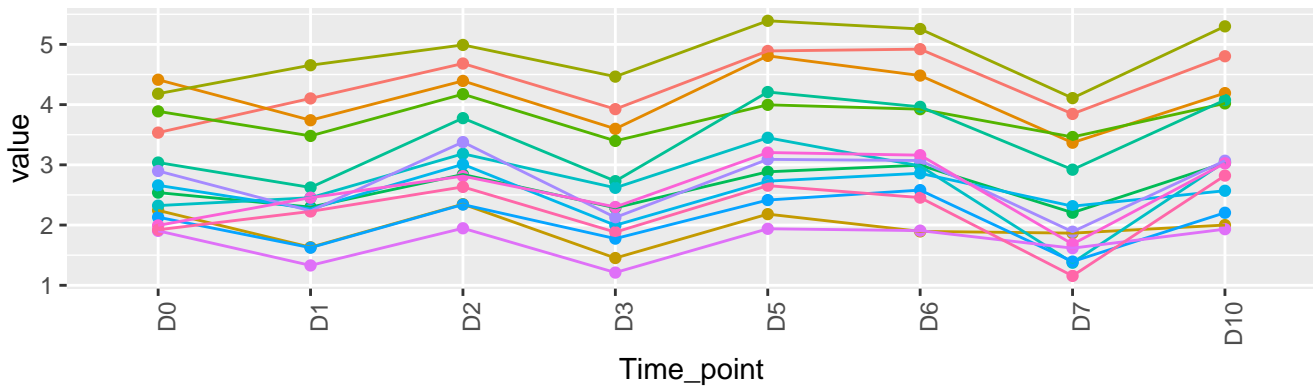
15 genes – WT-cluster-167-original



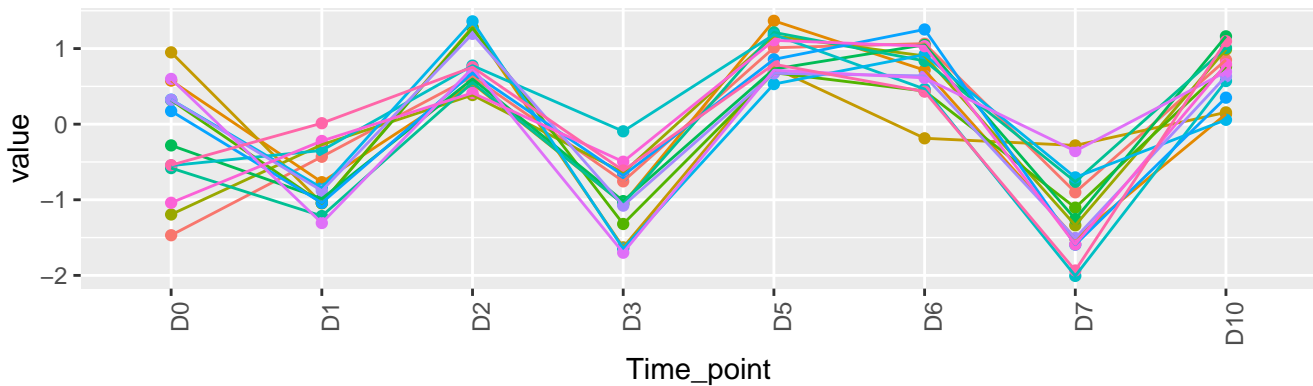
15 genes – WT-cluster-167-standardized



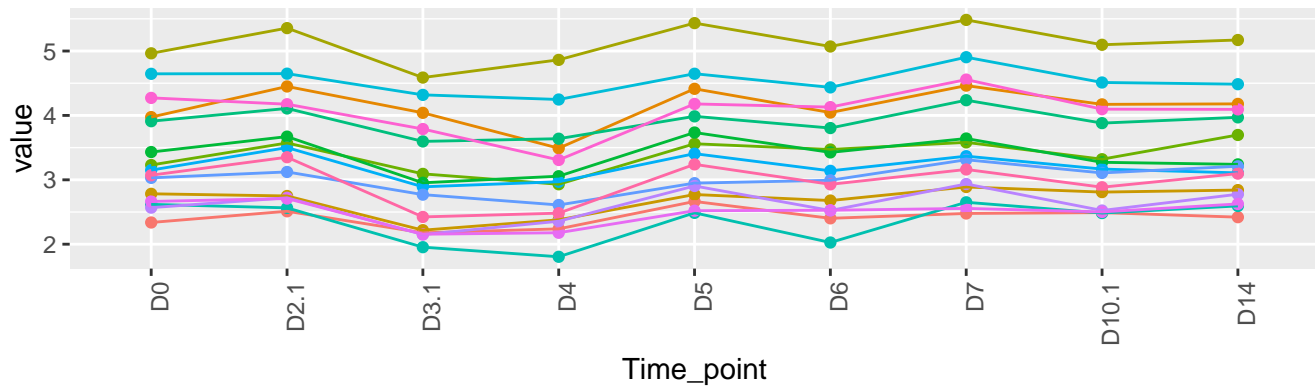
14 genes – KO-cluster-167-original



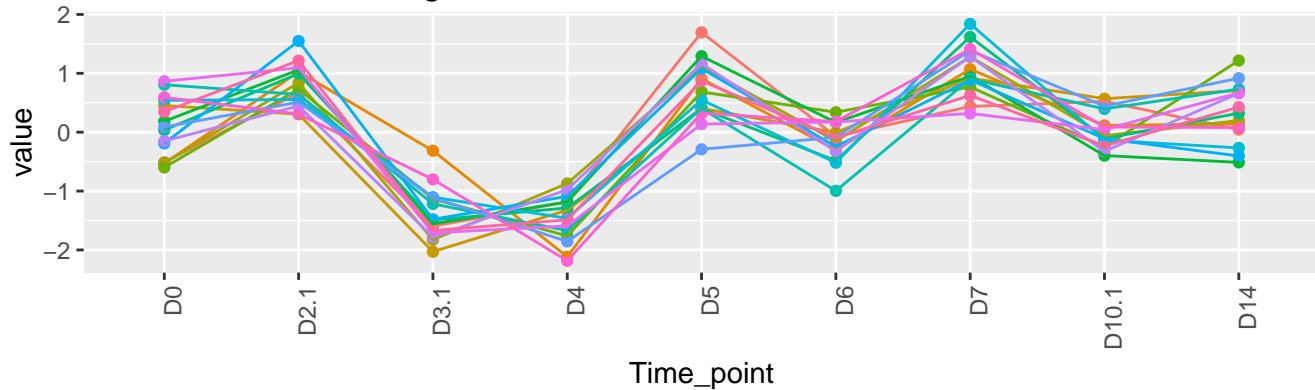
14 genes – KO-cluster-167-standardized



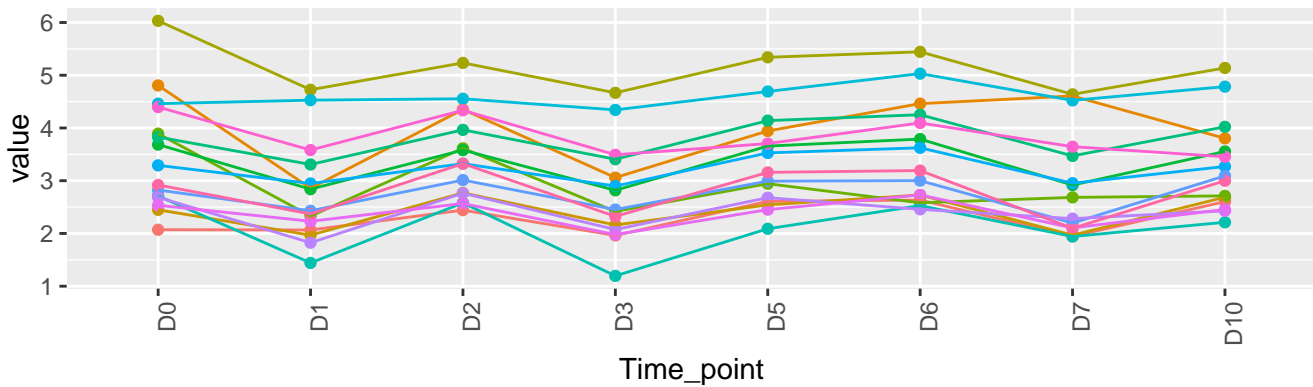
15 genes – WT-cluster-166-original



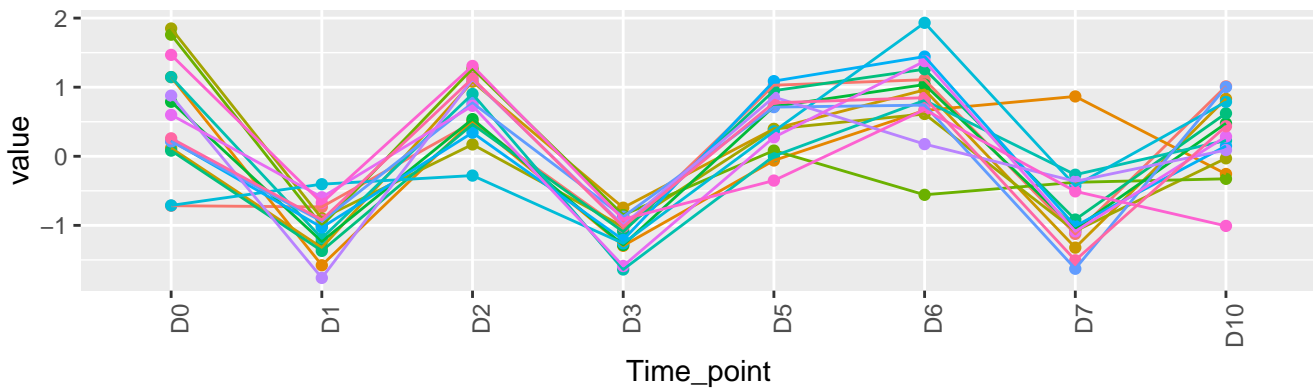
15 genes – WT-cluster-166-standardized



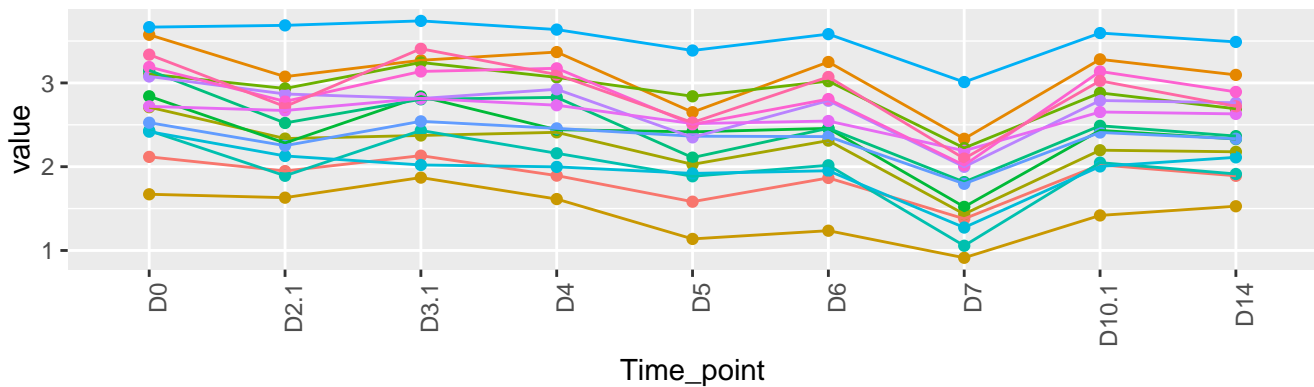
15 genes – KO-cluster-166-original



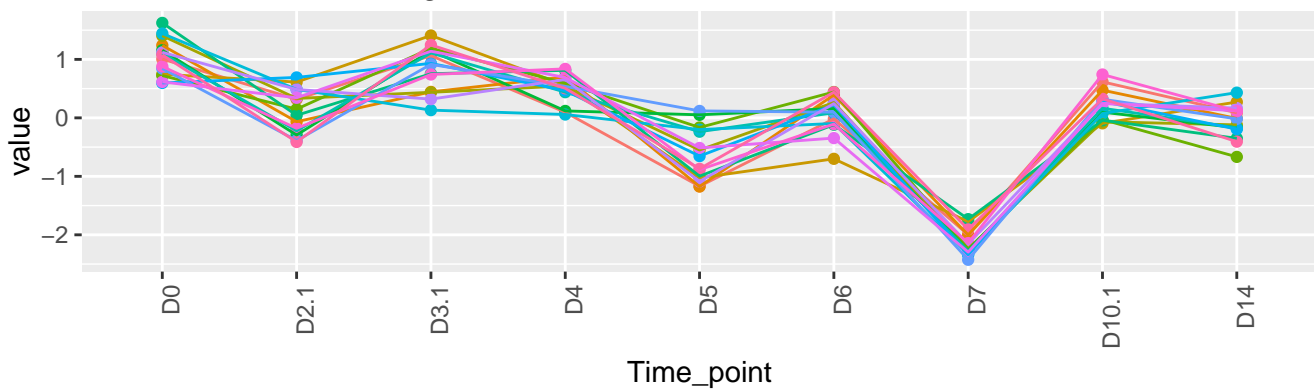
15 genes – KO-cluster-166-standardized



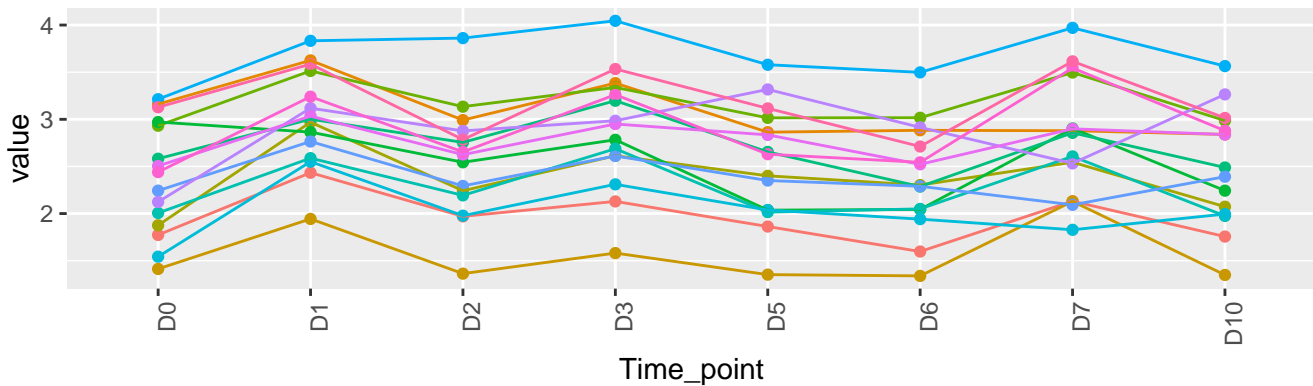
15 genes – WT-cluster-165-original



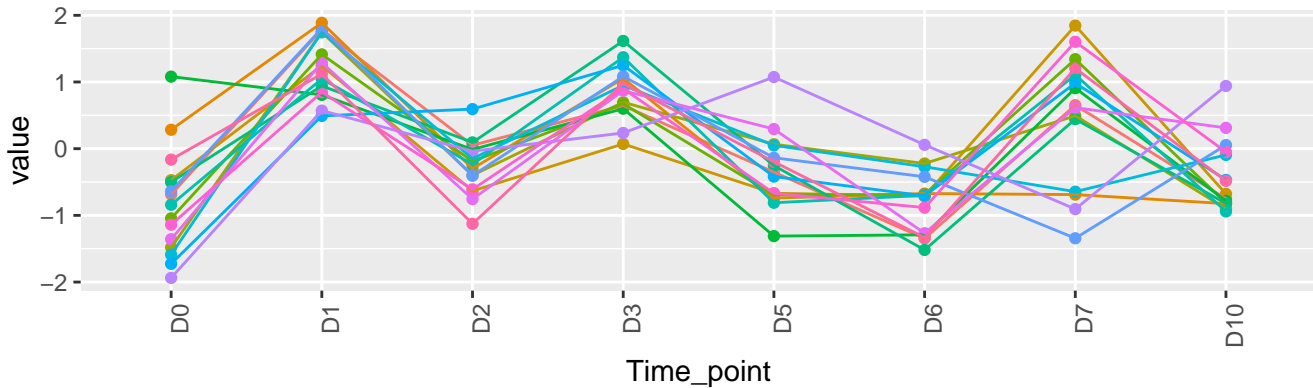
15 genes – WT-cluster-165-standardized



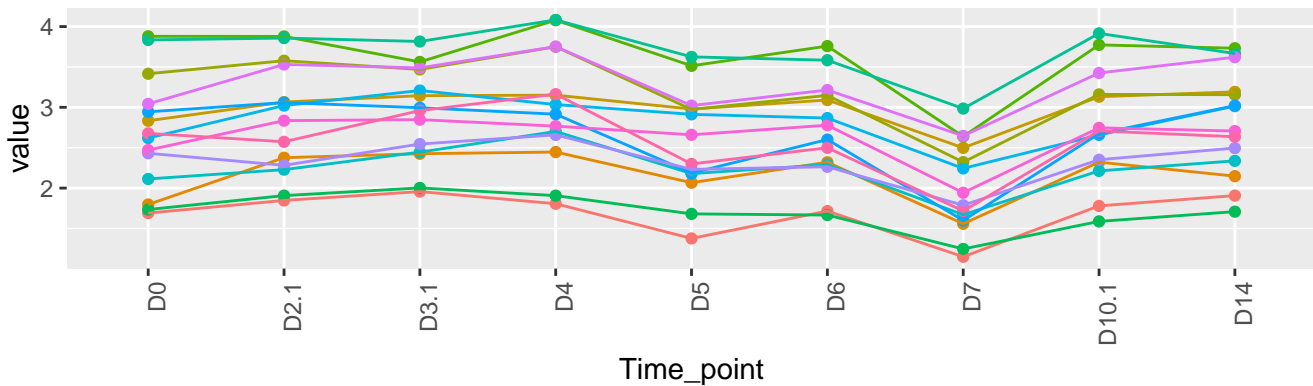
15 genes – KO-cluster-165-original



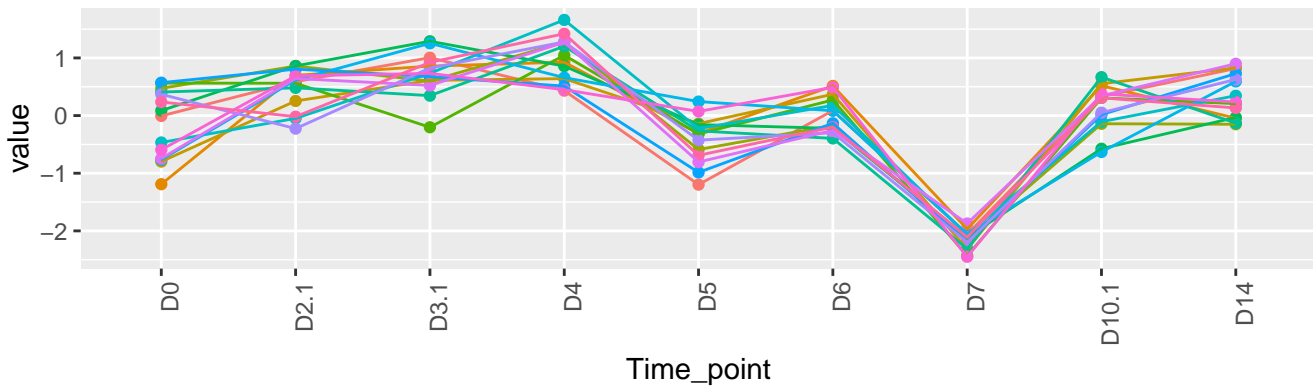
15 genes – KO-cluster-165-standardized



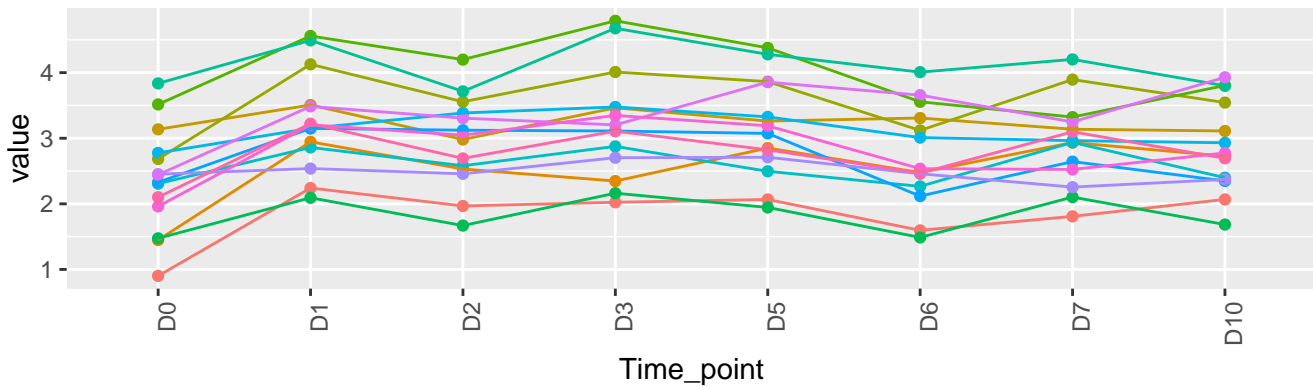
14 genes – WT-cluster-164-original



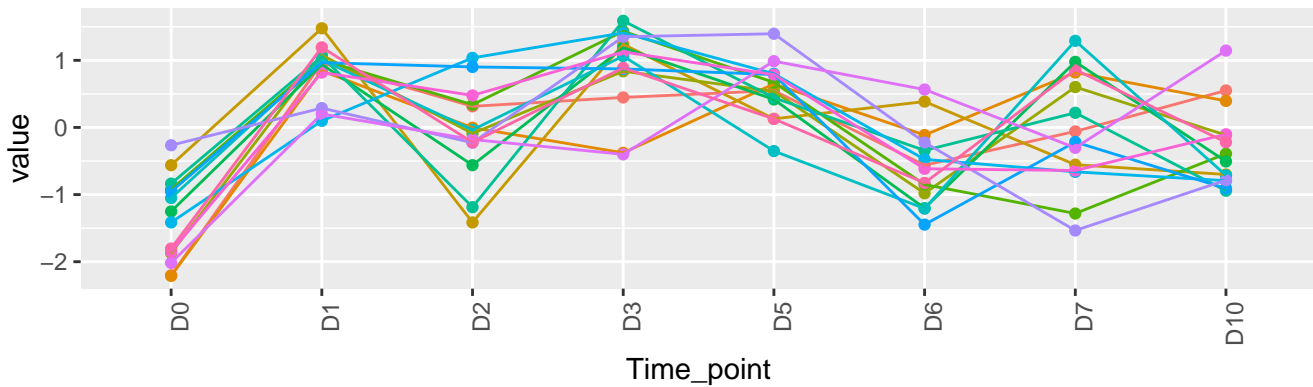
14 genes – WT-cluster-164-standardized



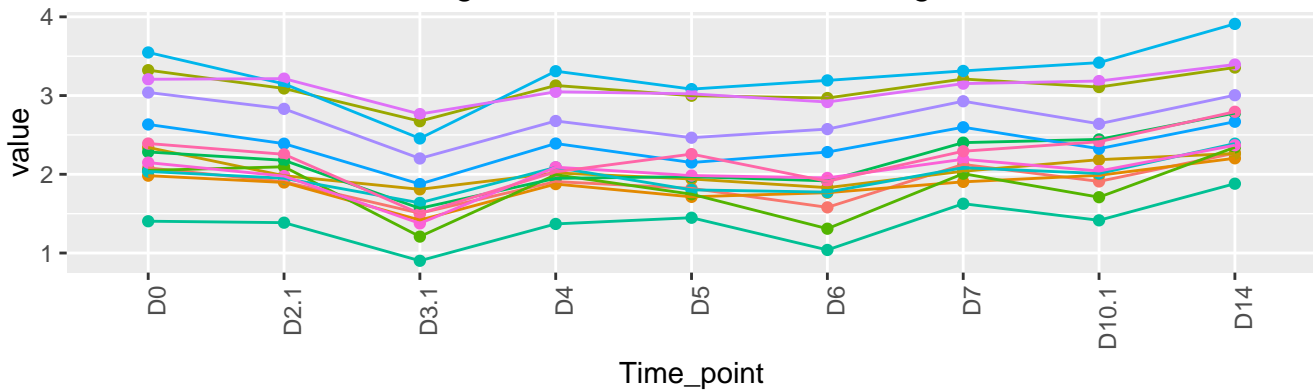
14 genes – KO-cluster-164-original



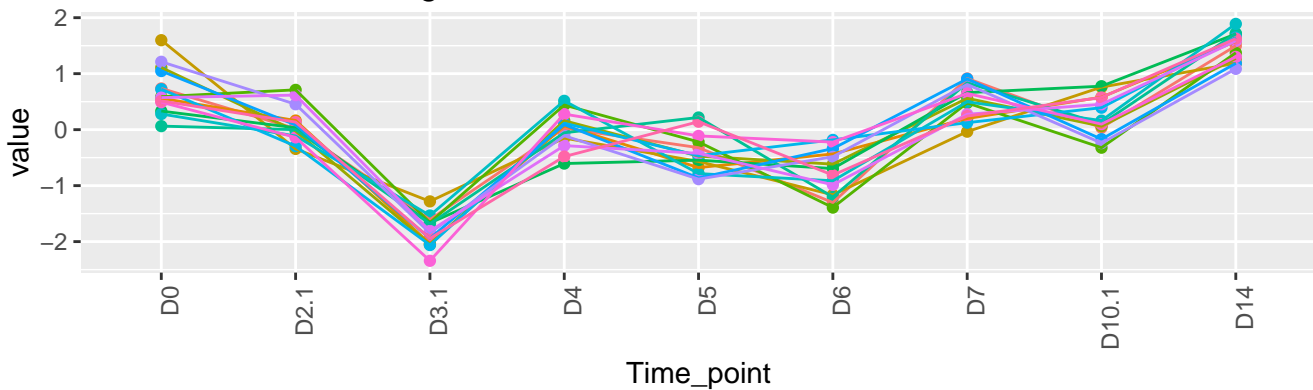
14 genes – KO-cluster-164-standardized



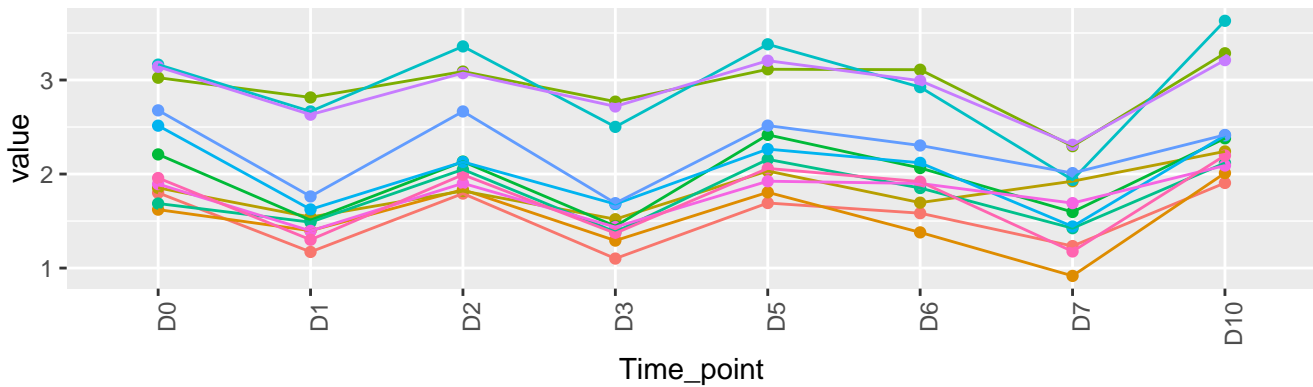
14 genes – WT-cluster-163-original



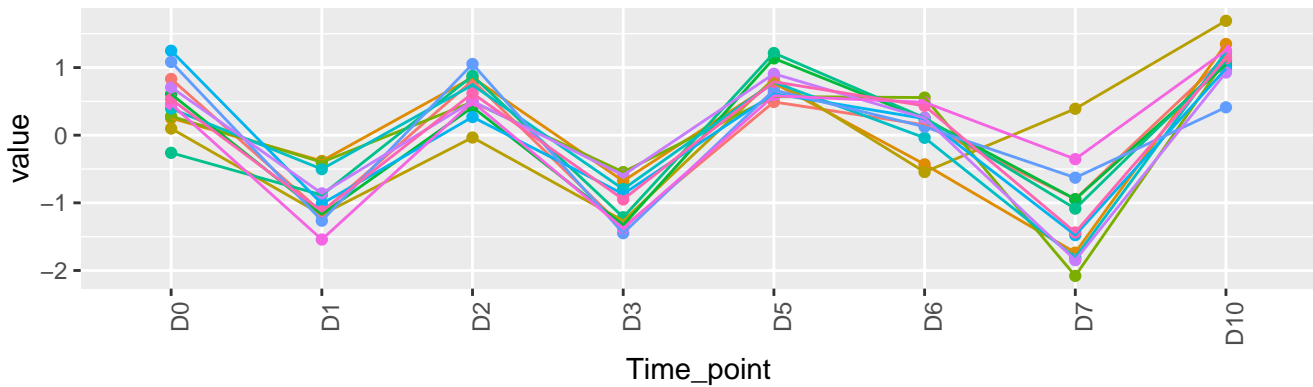
14 genes – WT-cluster-163-standardized



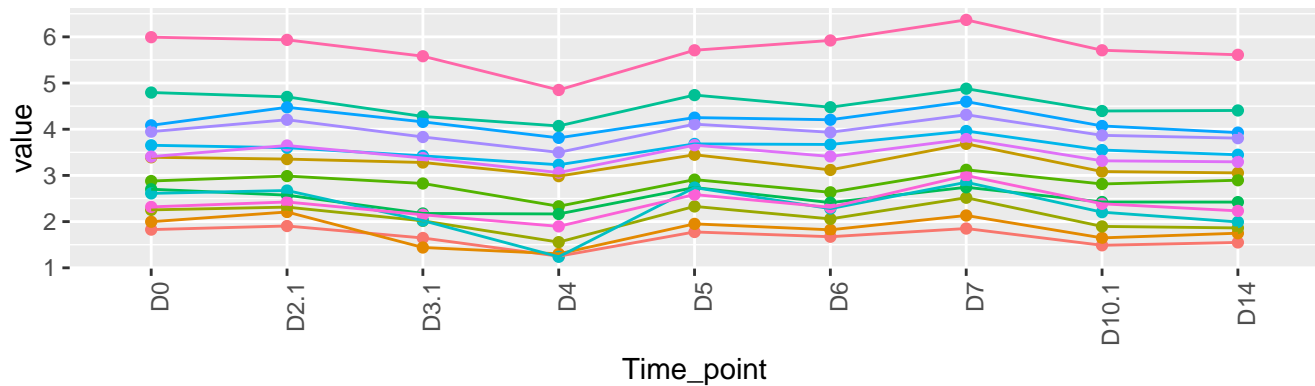
12 genes – KO-cluster-163-original



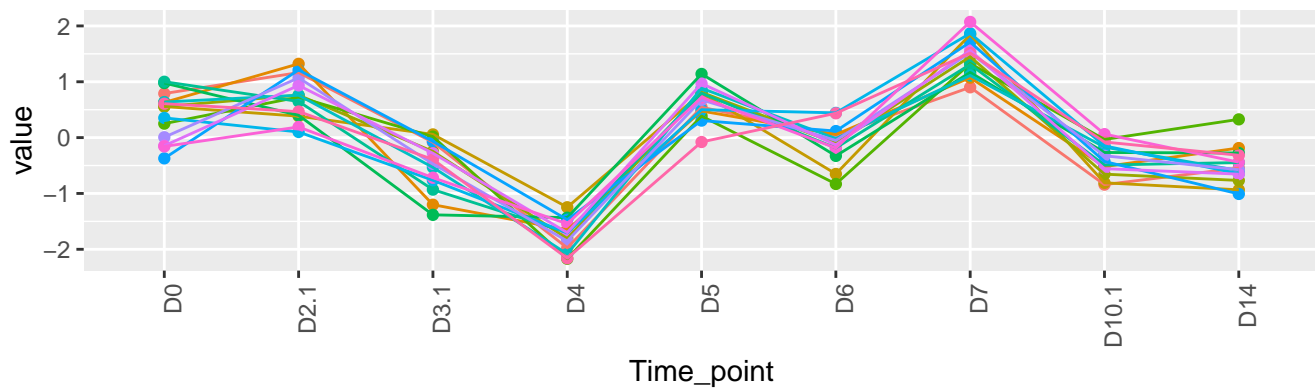
12 genes – KO-cluster-163-standardized



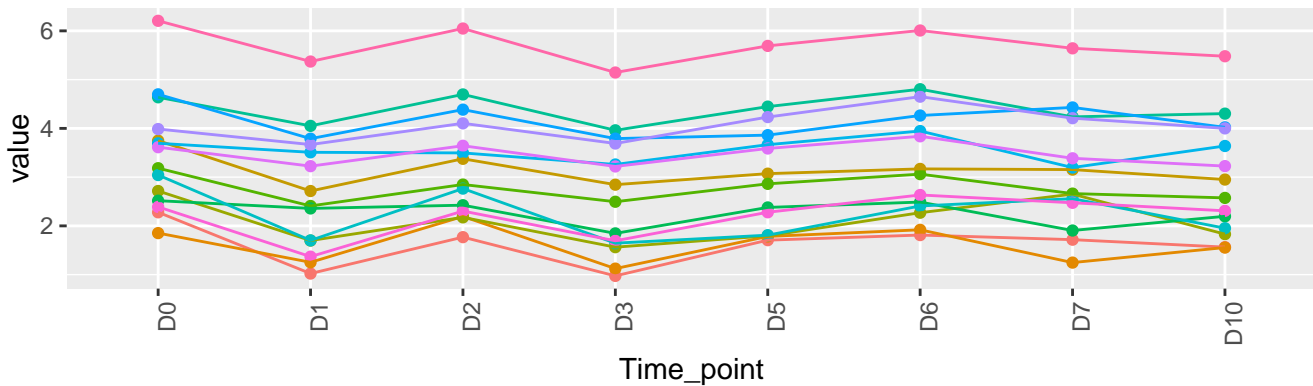
14 genes – WT-cluster-162-original



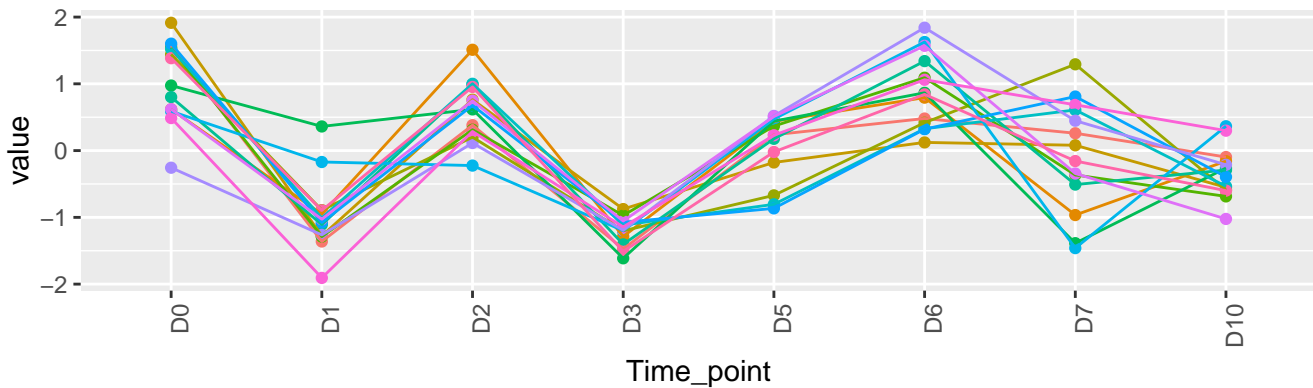
14 genes – WT-cluster-162-standardized



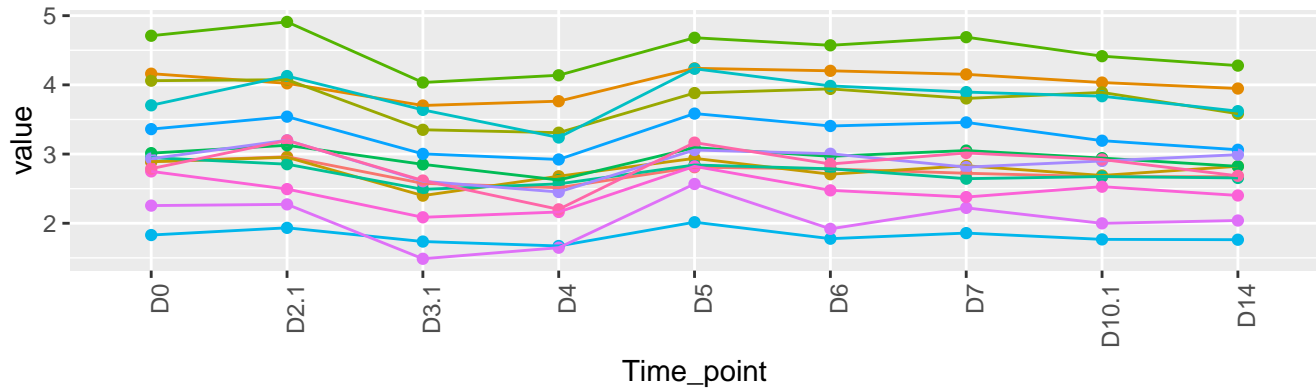
14 genes – KO-cluster-162-original



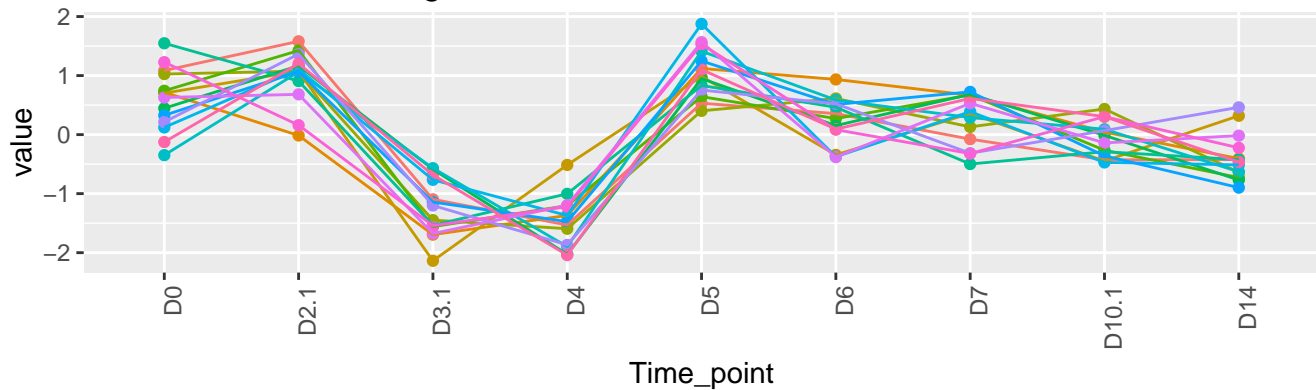
14 genes – KO-cluster-162-standardized



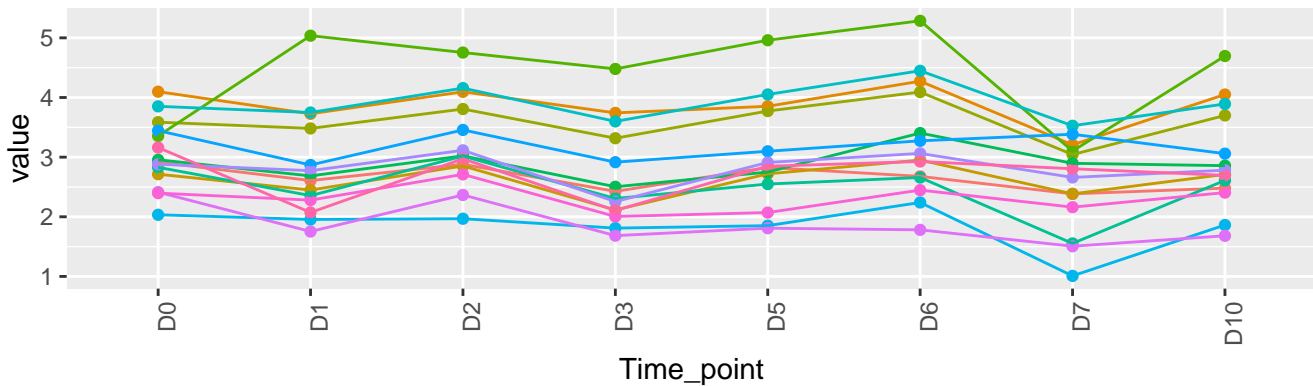
14 genes – WT-cluster-161-original



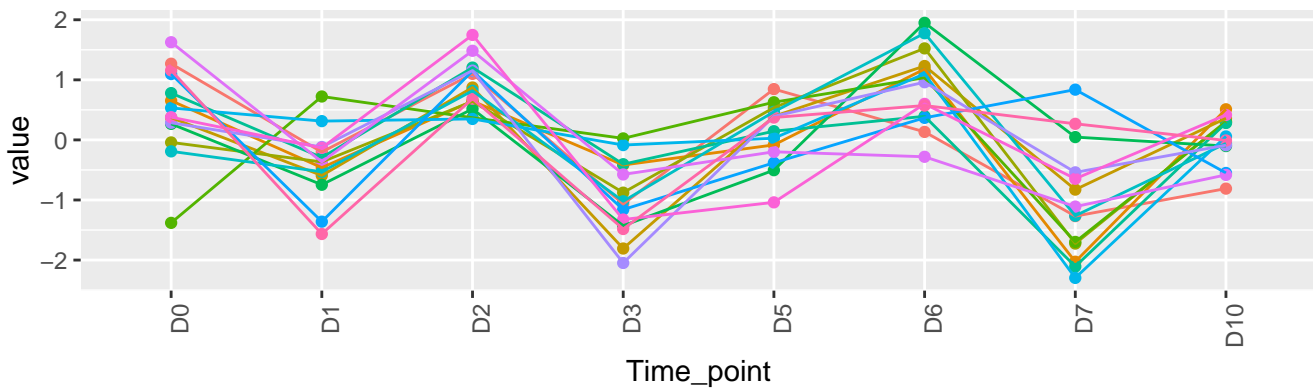
14 genes – WT-cluster-161-standardized



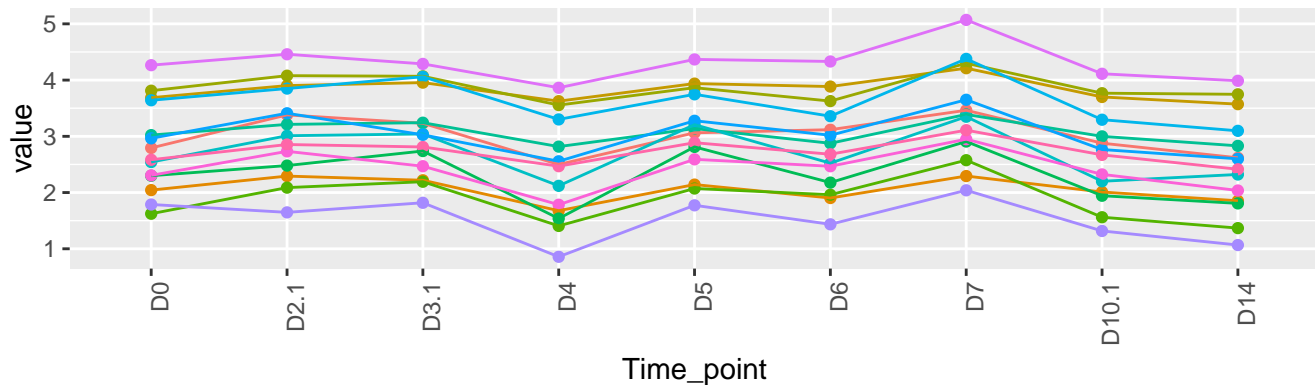
14 genes – KO-cluster-161-original



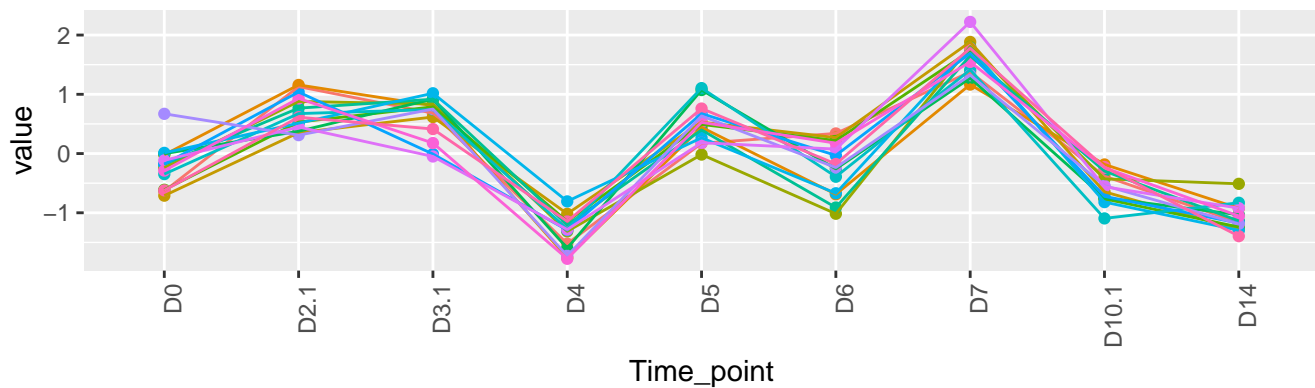
14 genes – KO-cluster-161-standardized



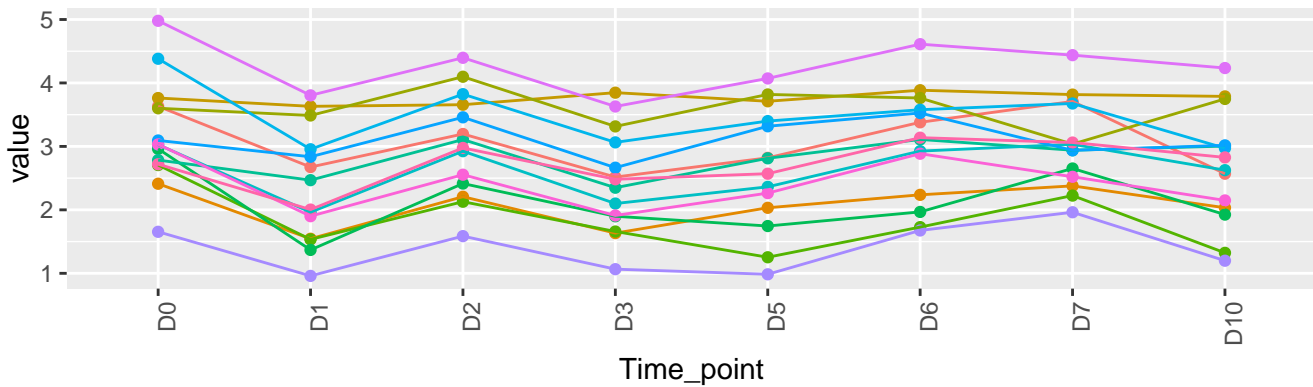
14 genes – WT-cluster-160-original



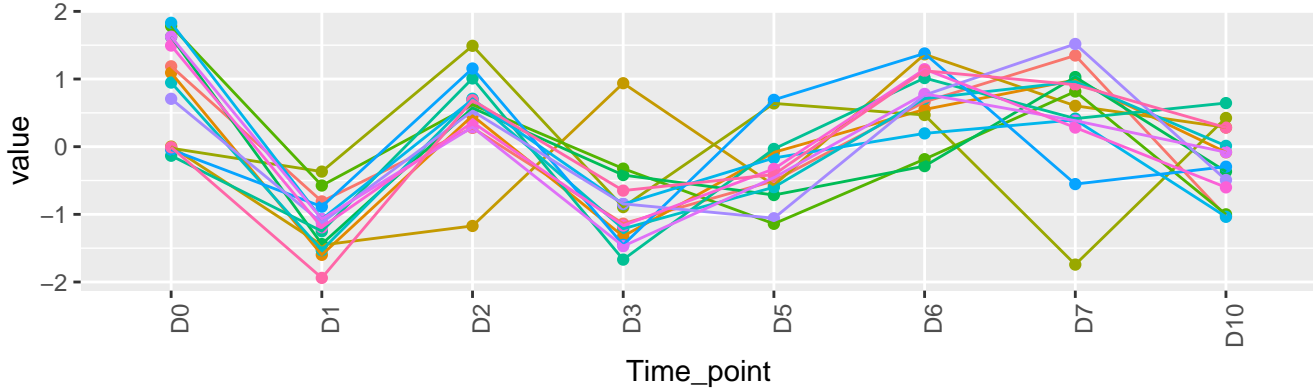
14 genes – WT-cluster-160-standardized



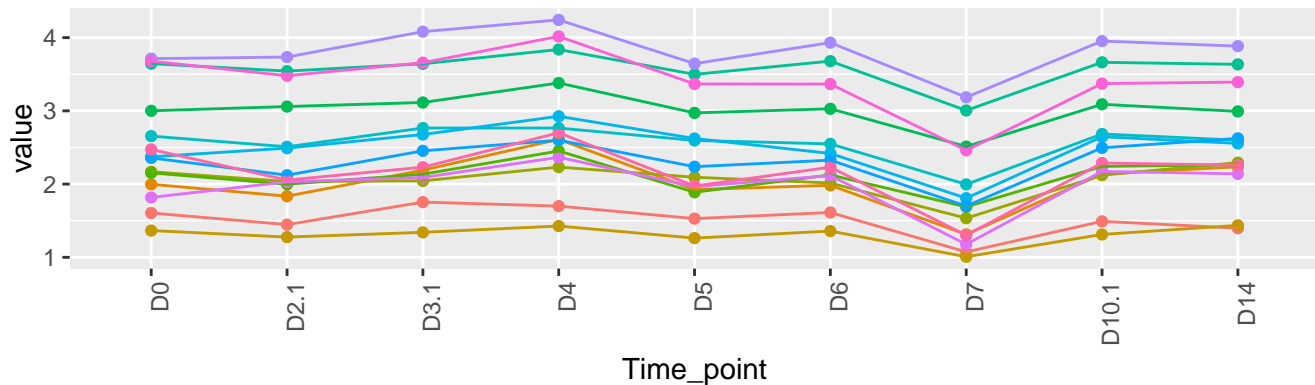
14 genes – KO-cluster-160-original



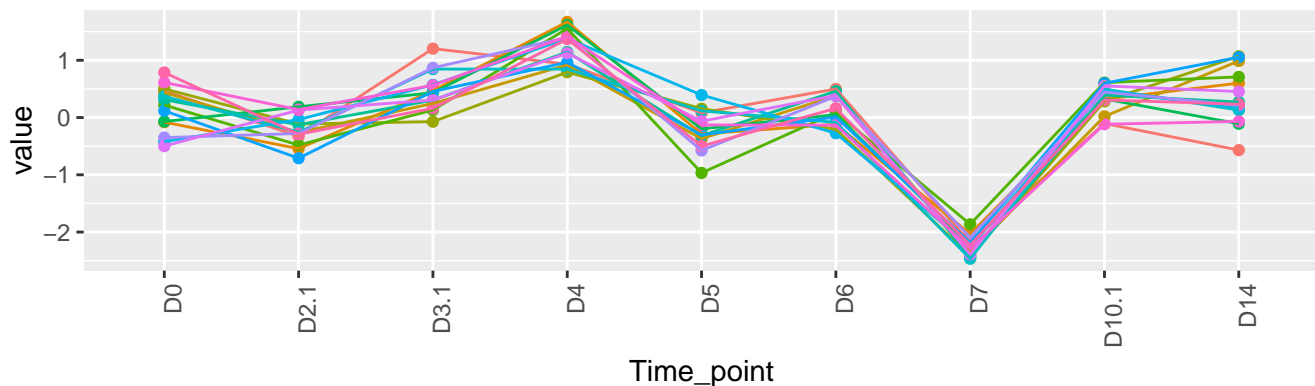
14 genes – KO-cluster-160-standardized



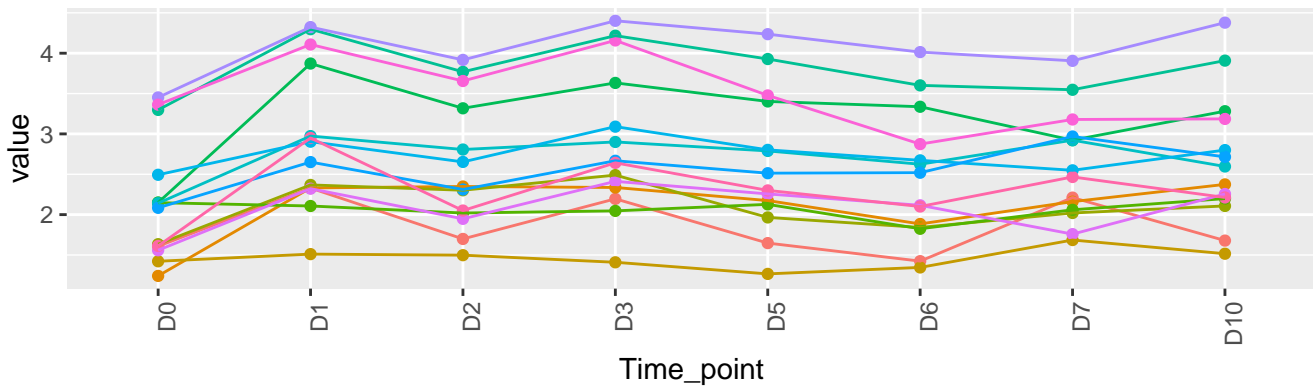
14 genes – WT-cluster-159-original



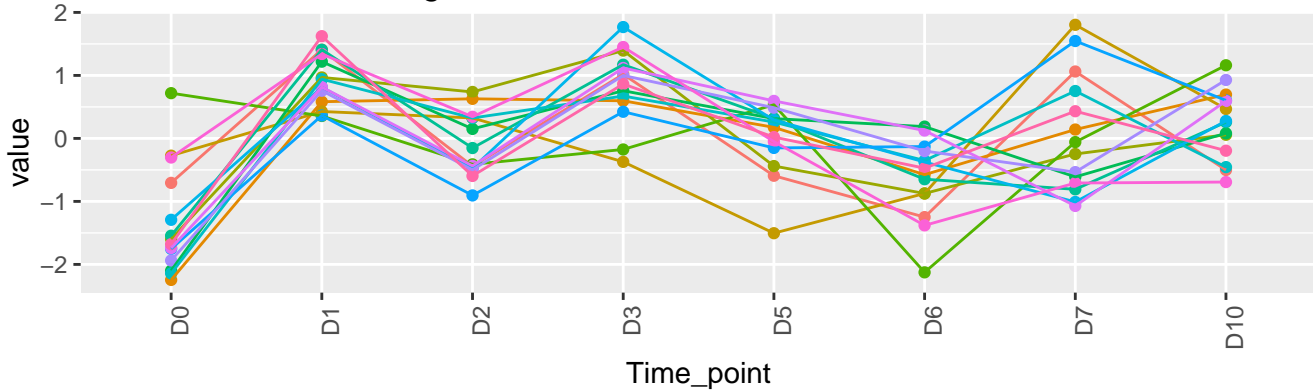
14 genes – WT-cluster-159-standardized



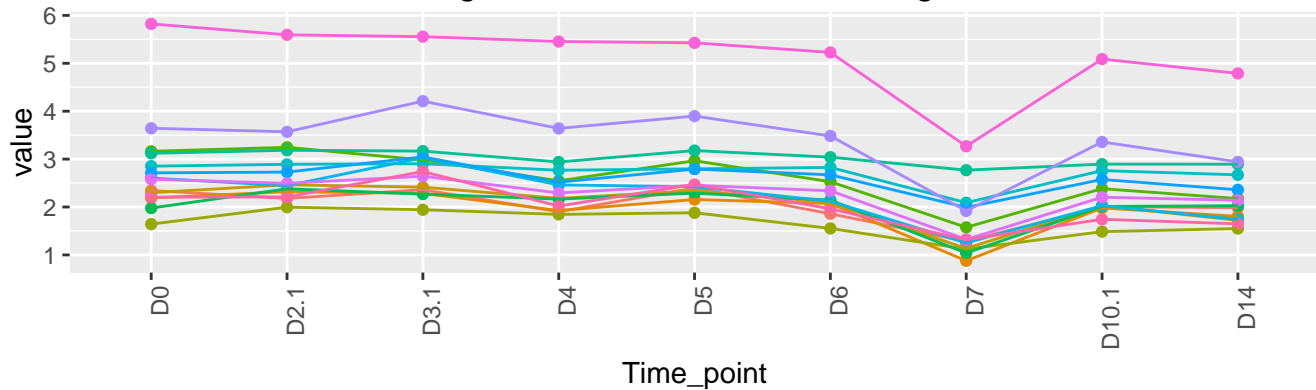
14 genes – KO-cluster-159-original



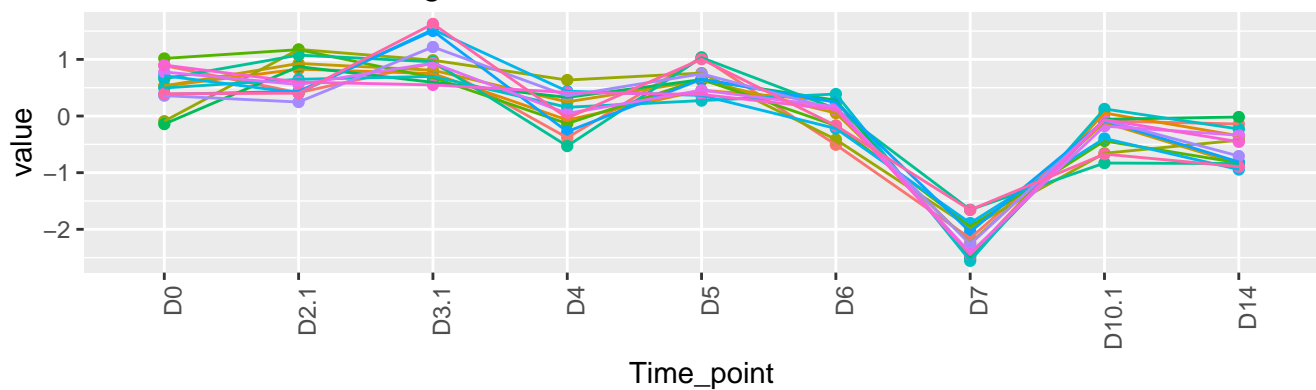
14 genes – KO-cluster-159-standardized



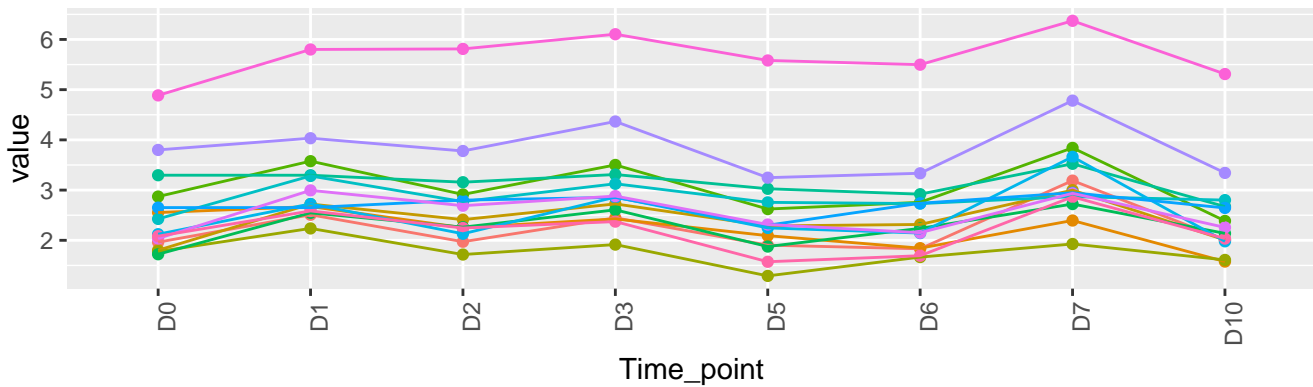
14 genes – WT-cluster-158-original



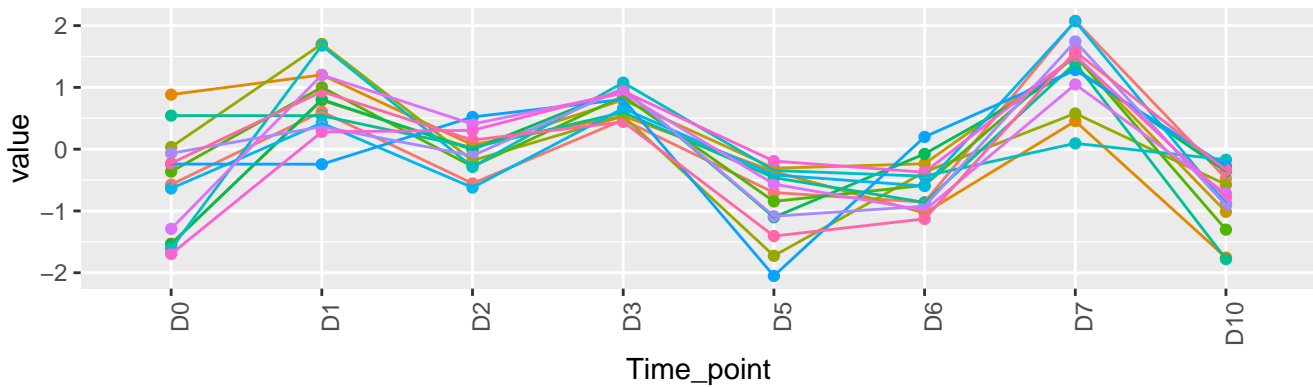
14 genes – WT-cluster-158-standardized



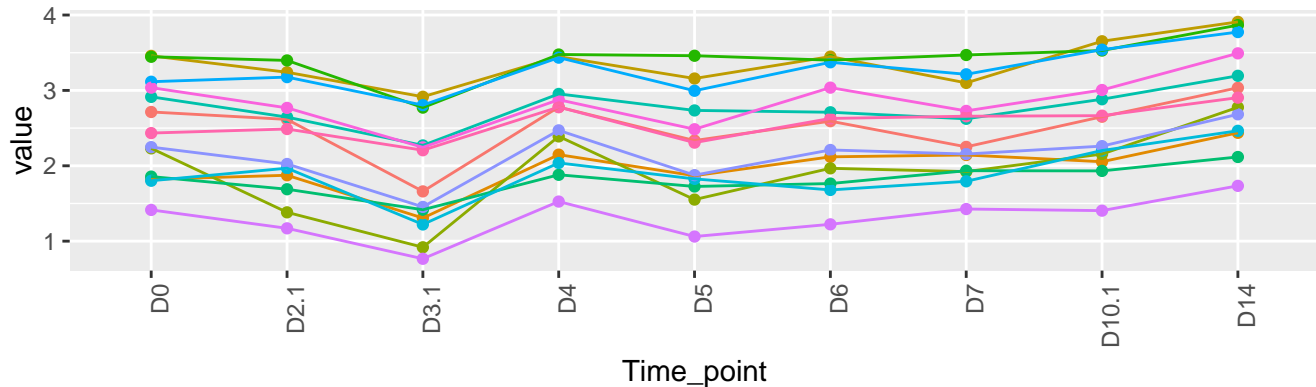
14 genes – KO-cluster-158-original



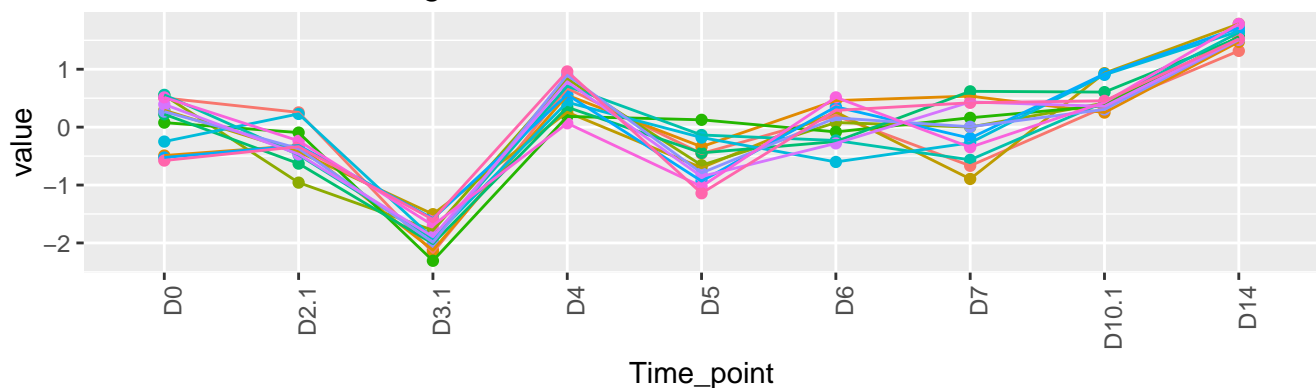
14 genes – KO-cluster-158-standardized



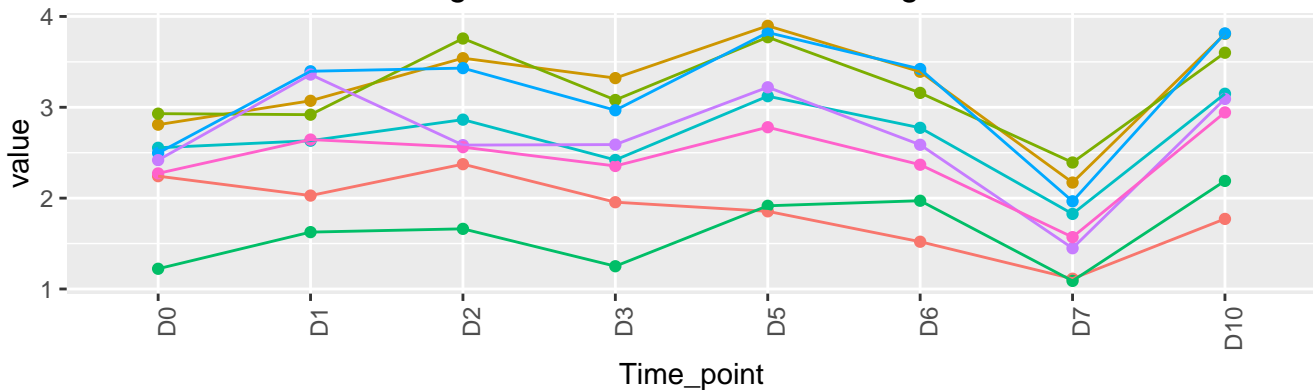
13 genes – WT-cluster-157-original



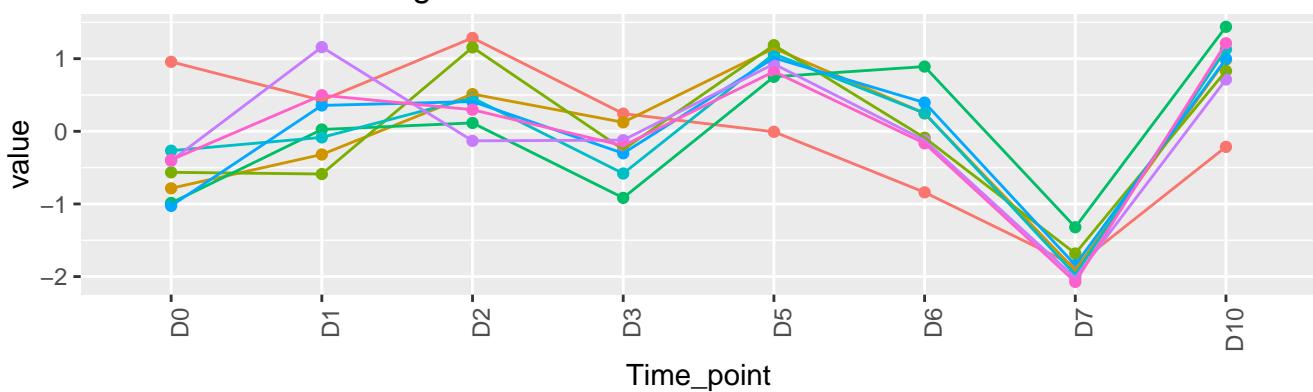
13 genes – WT-cluster-157-standardized



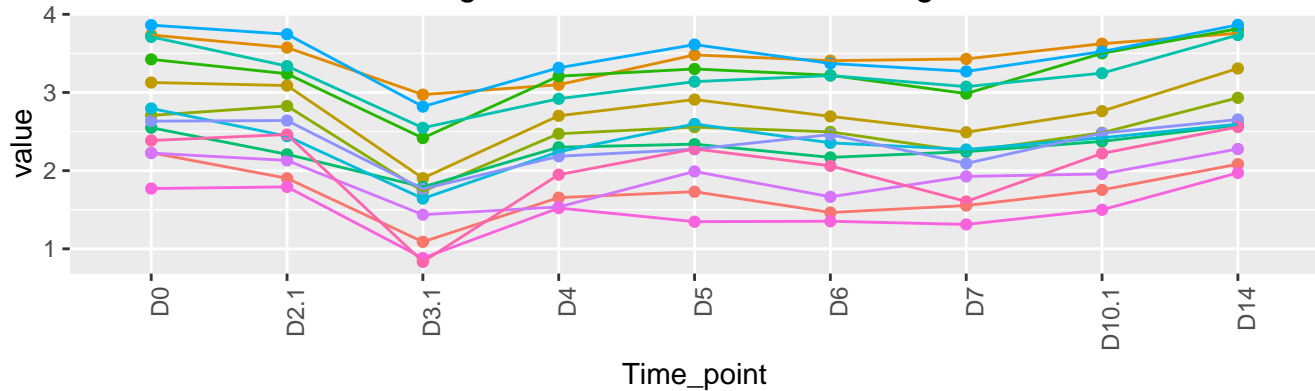
8 genes – KO-cluster-157-original



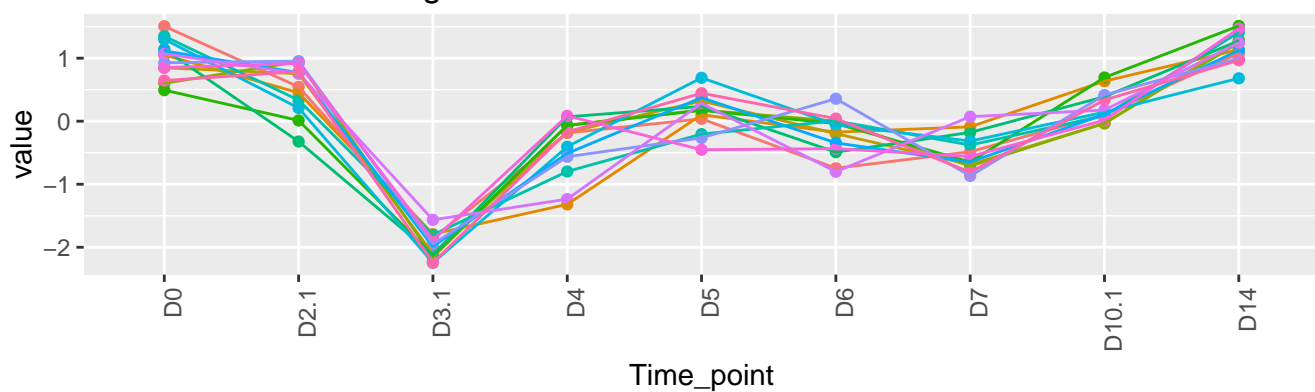
8 genes – KO-cluster-157-standardized



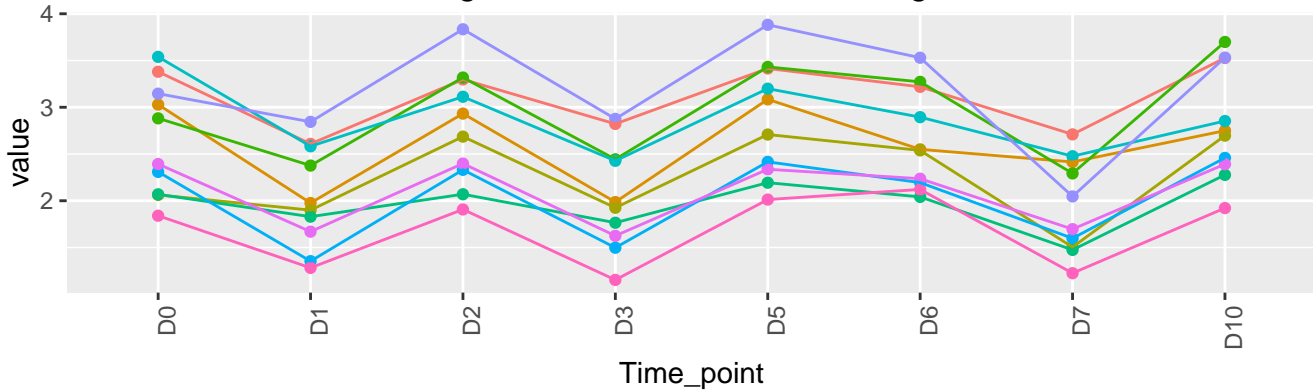
13 genes – WT-cluster-156-original



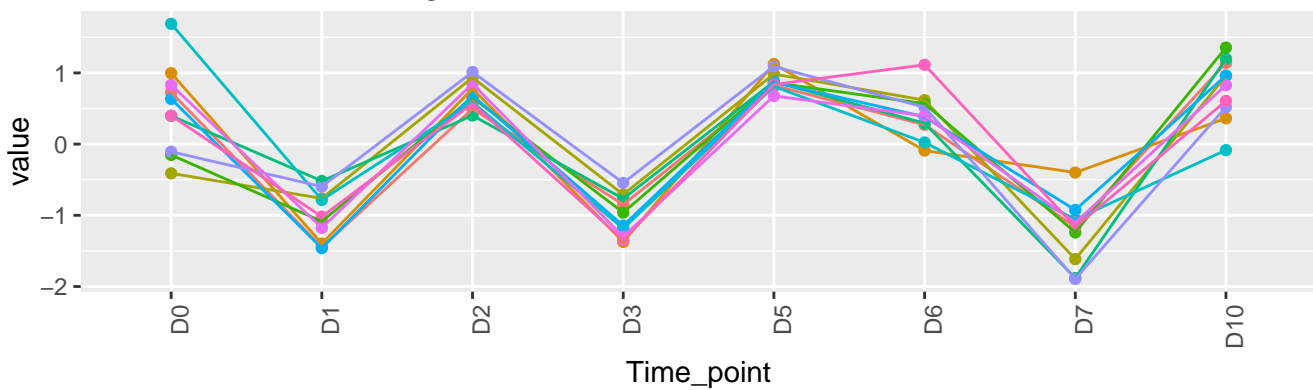
13 genes – WT-cluster-156-standardized



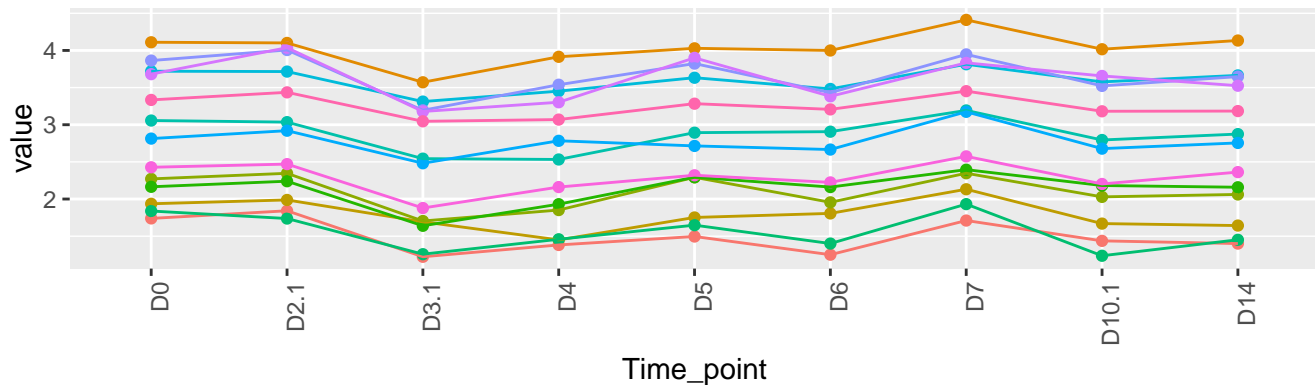
10 genes – KO-cluster-156-original



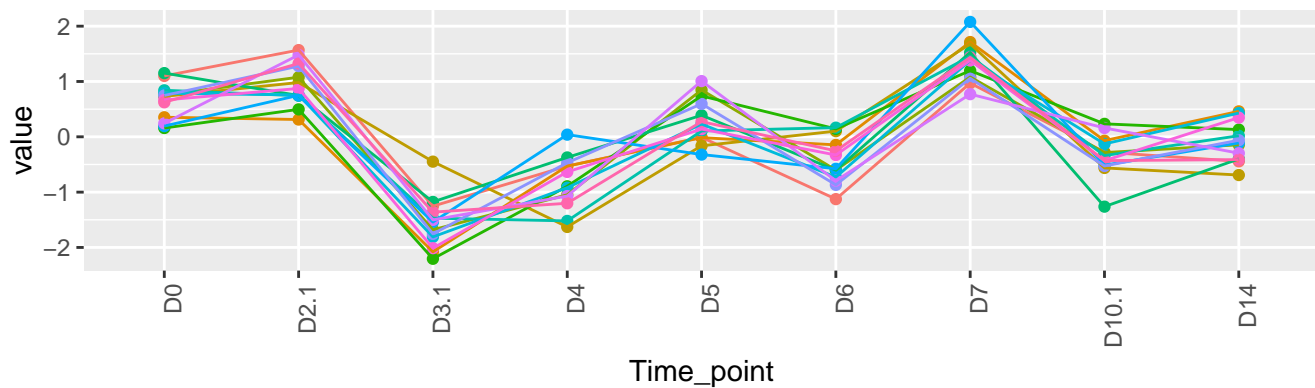
10 genes – KO-cluster-156-standardized



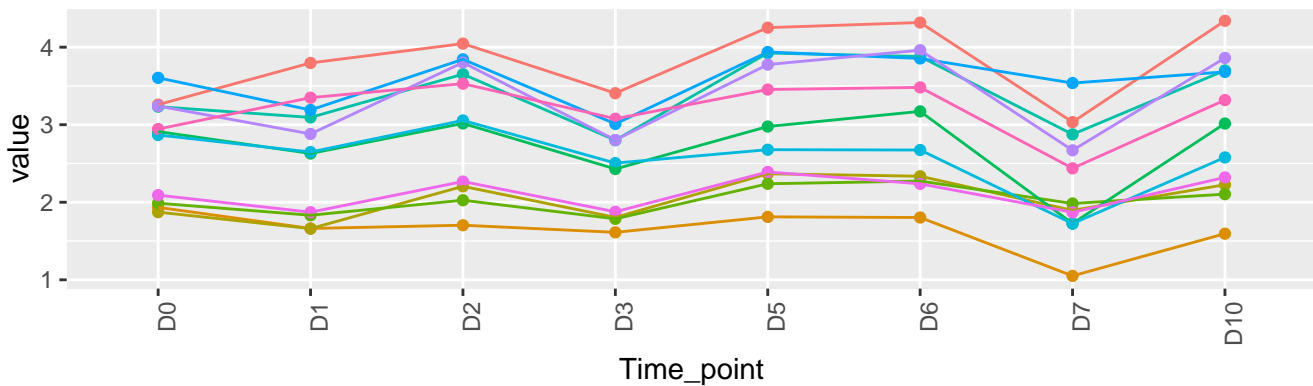
13 genes – WT-cluster-155-original



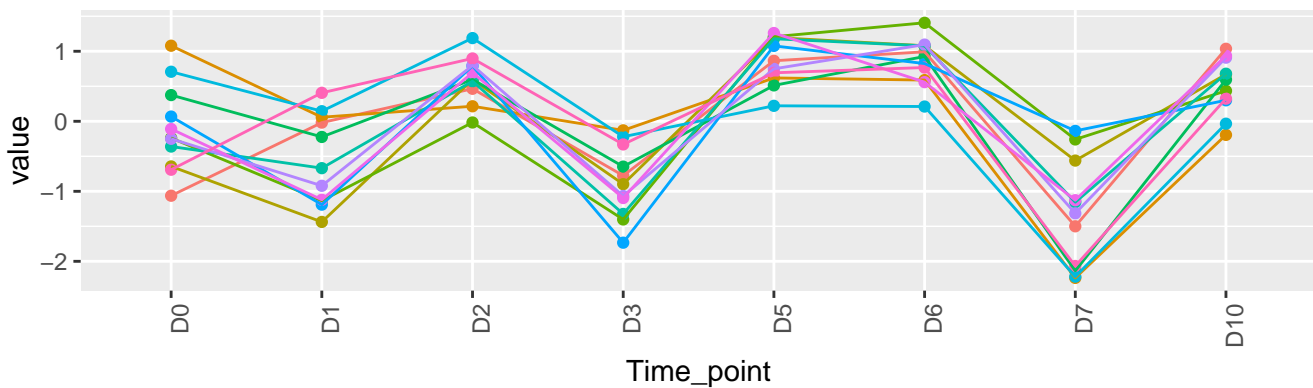
13 genes – WT-cluster-155-standardized



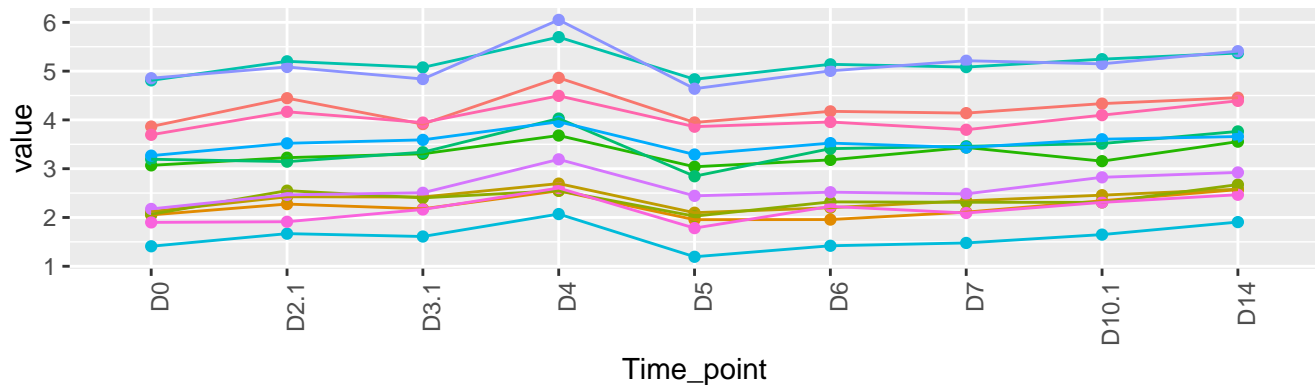
11 genes – KO-cluster-155-original



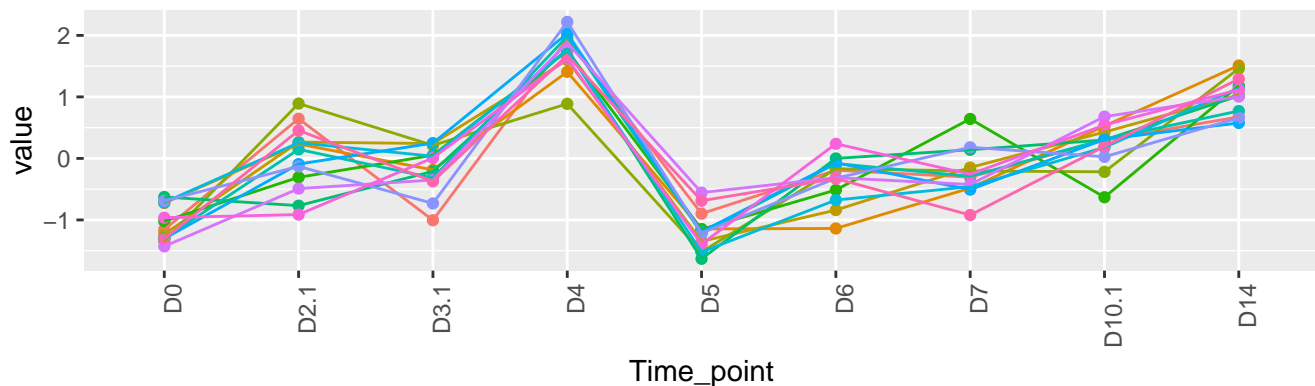
11 genes – KO-cluster-155-standardized



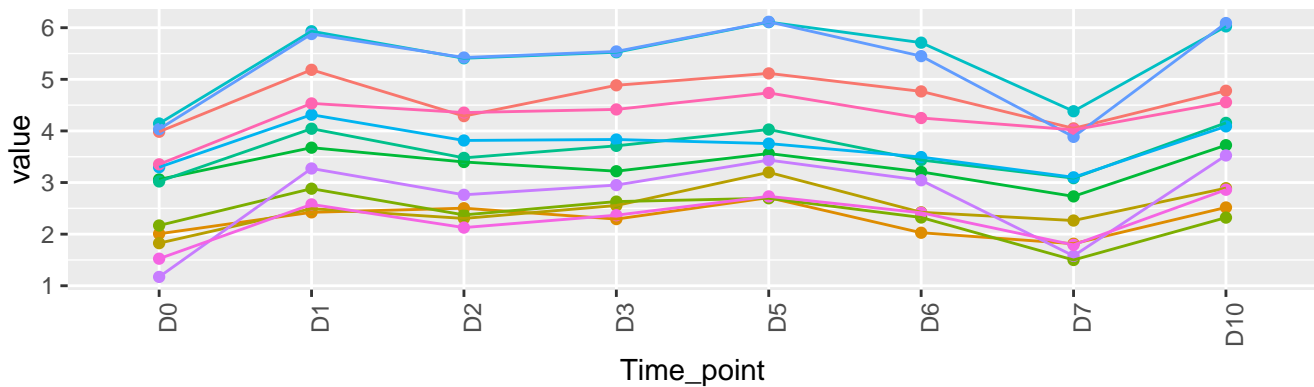
13 genes – WT-cluster-154-original



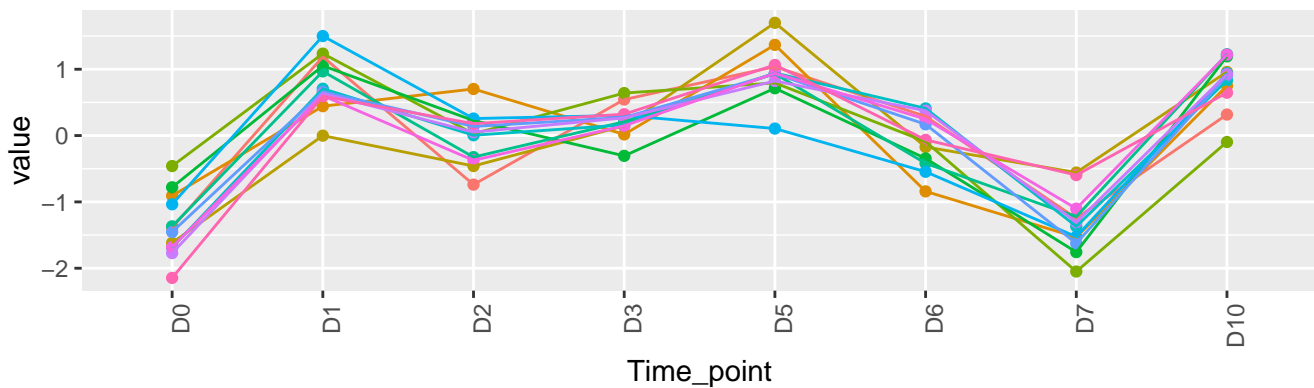
13 genes – WT-cluster-154-standardized



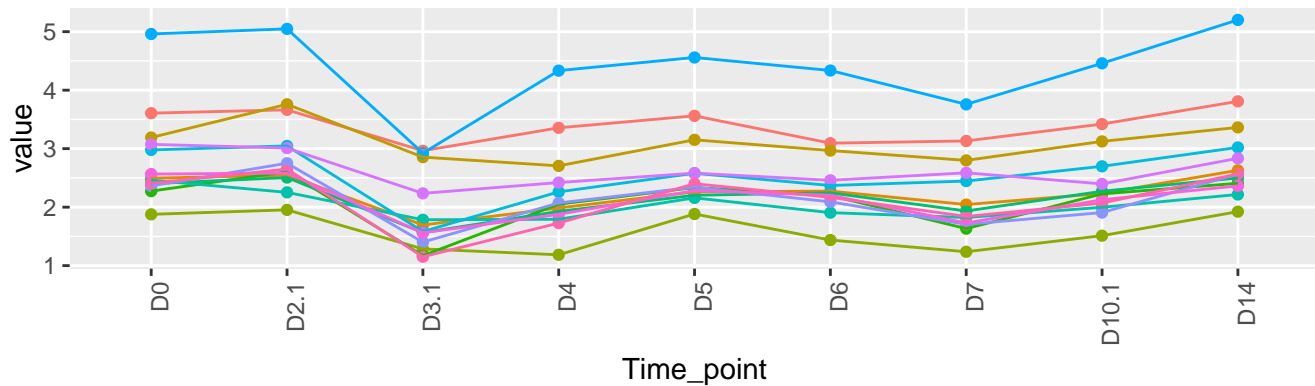
12 genes – KO-cluster-154-original



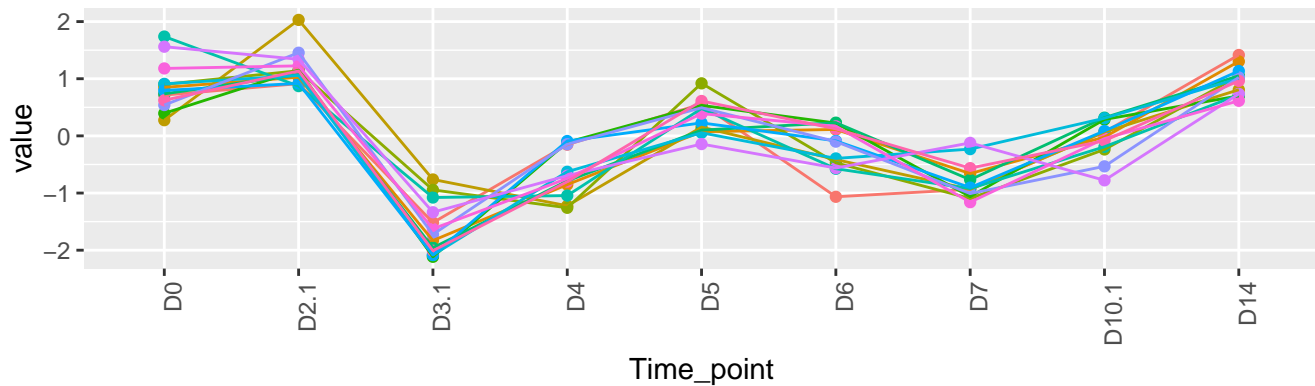
12 genes – KO-cluster-154-standardized



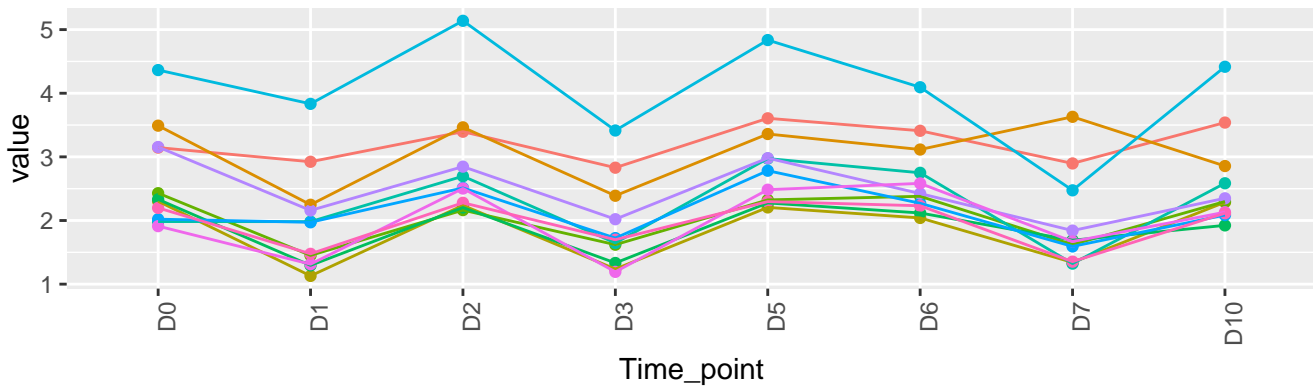
13 genes – WT-cluster-153-original



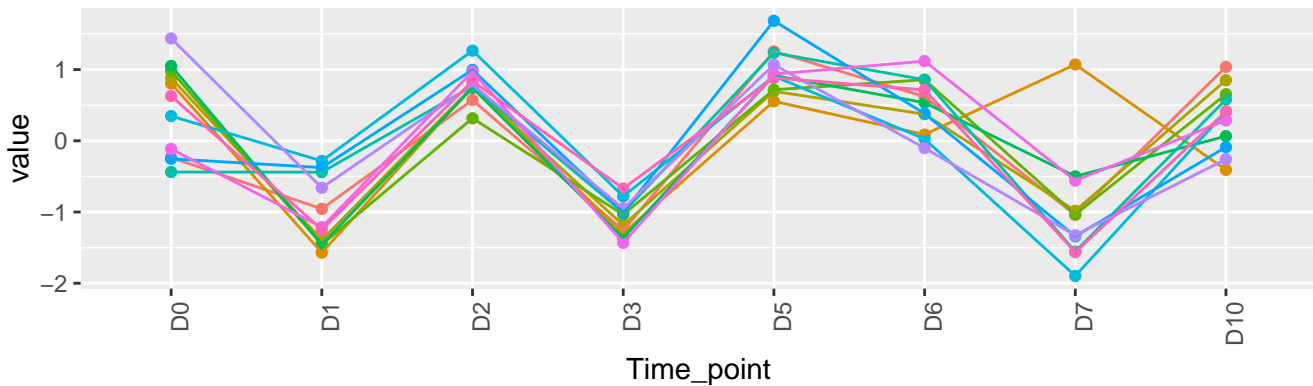
13 genes – WT-cluster-153-standardized



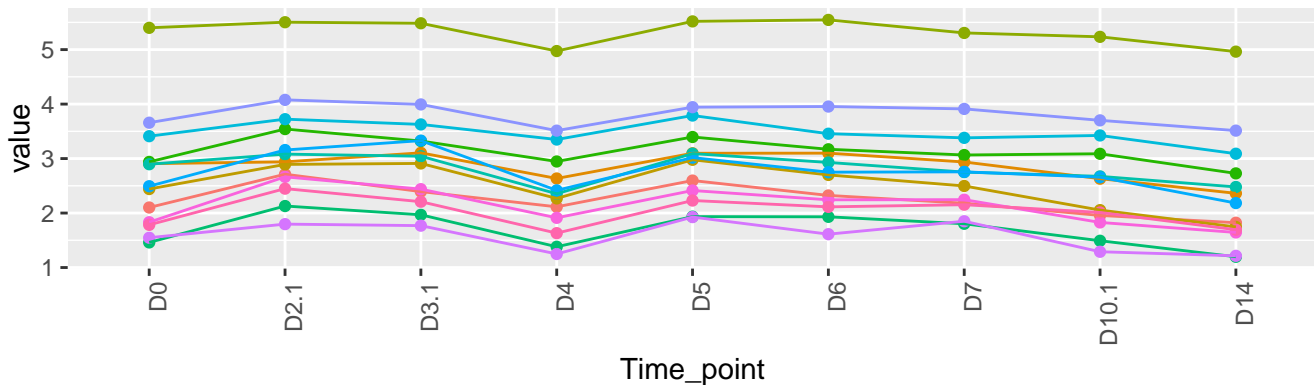
11 genes – KO-cluster-153-original



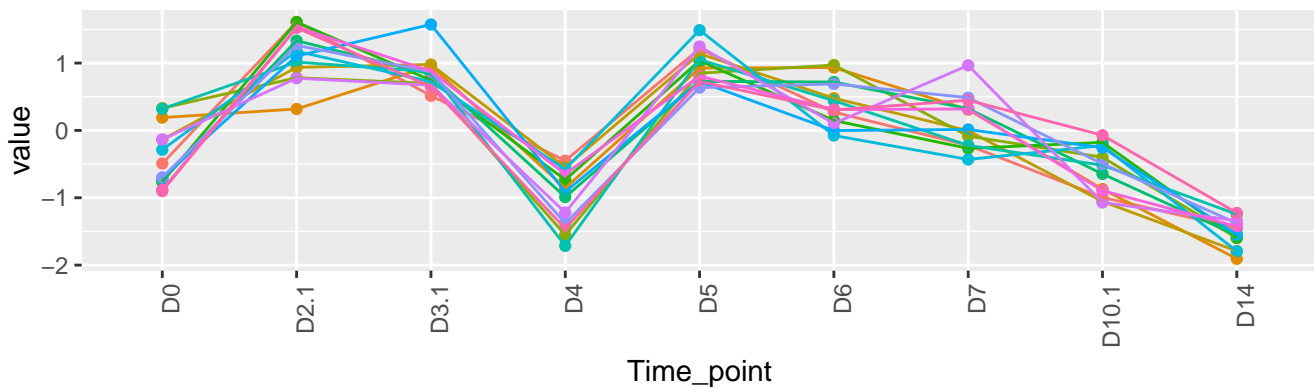
11 genes – KO-cluster-153-standardized



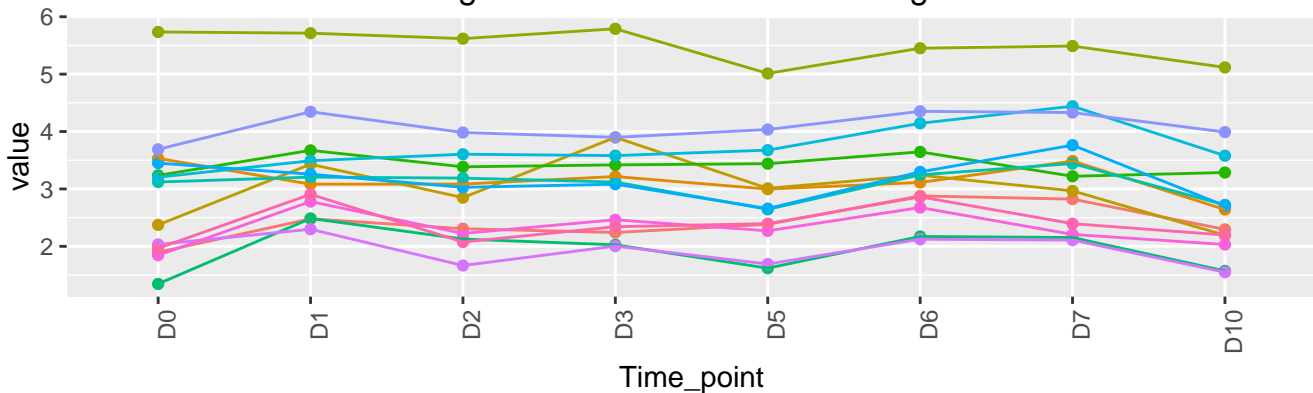
13 genes – WT-cluster-152-original



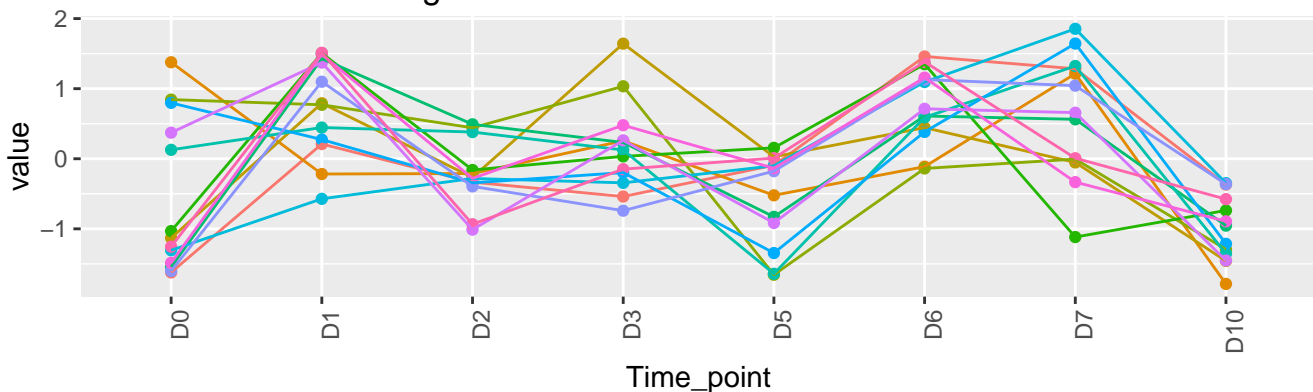
13 genes – WT-cluster-152-standardized



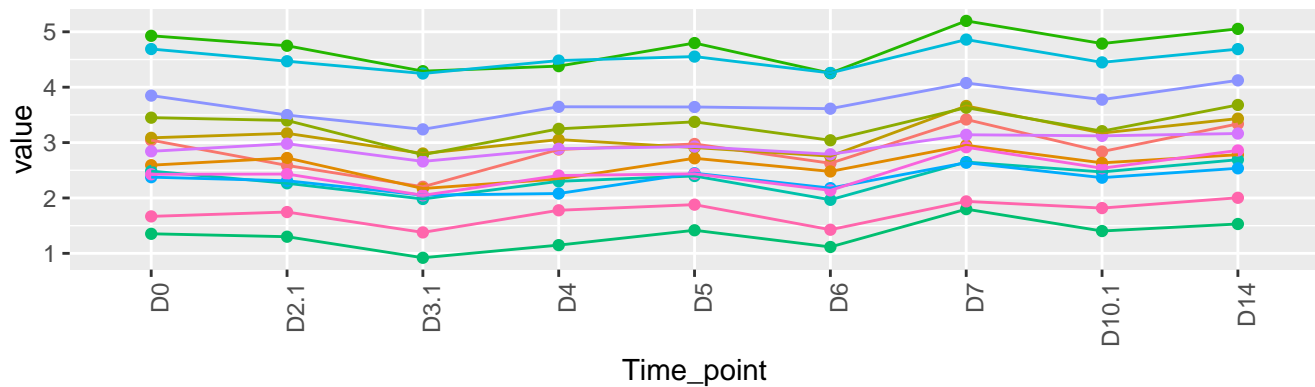
13 genes – KO-cluster-152-original



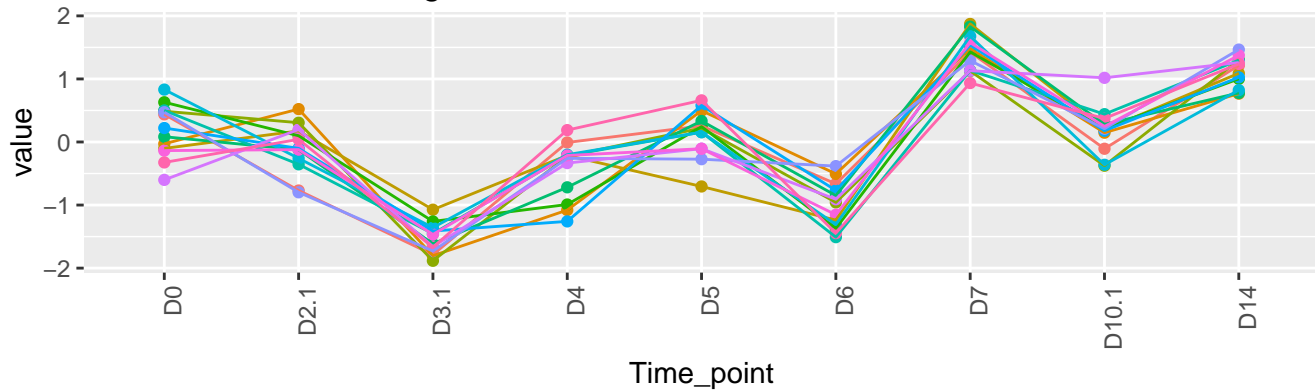
13 genes – KO-cluster-152-standardized



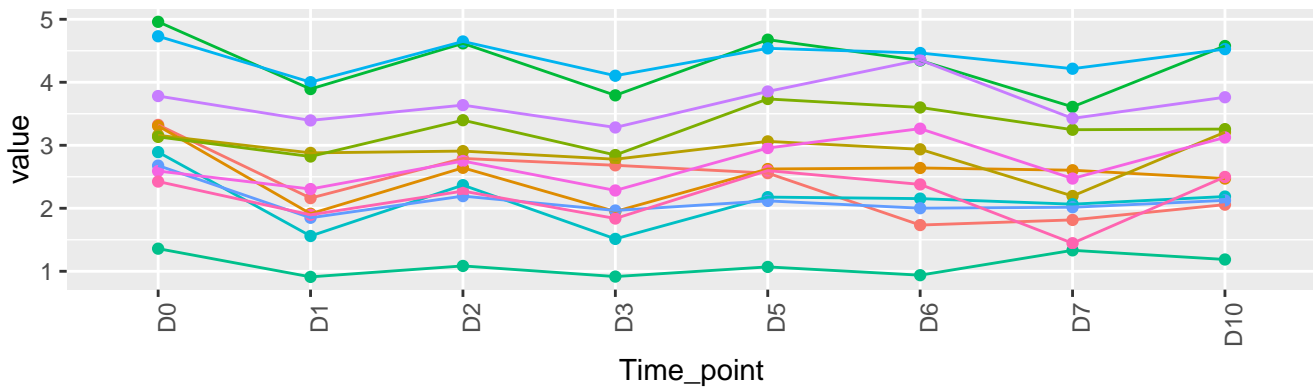
13 genes – WT-cluster-151-original



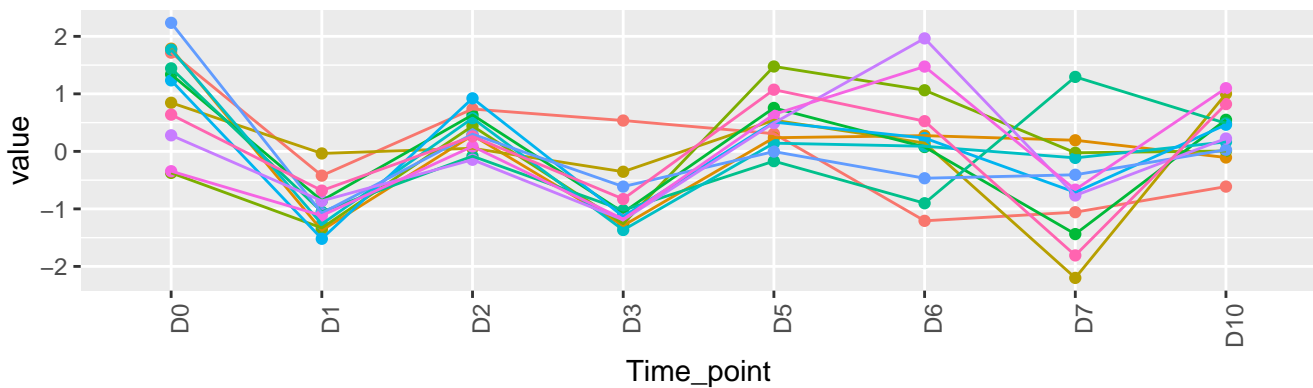
13 genes – WT-cluster-151-standardized



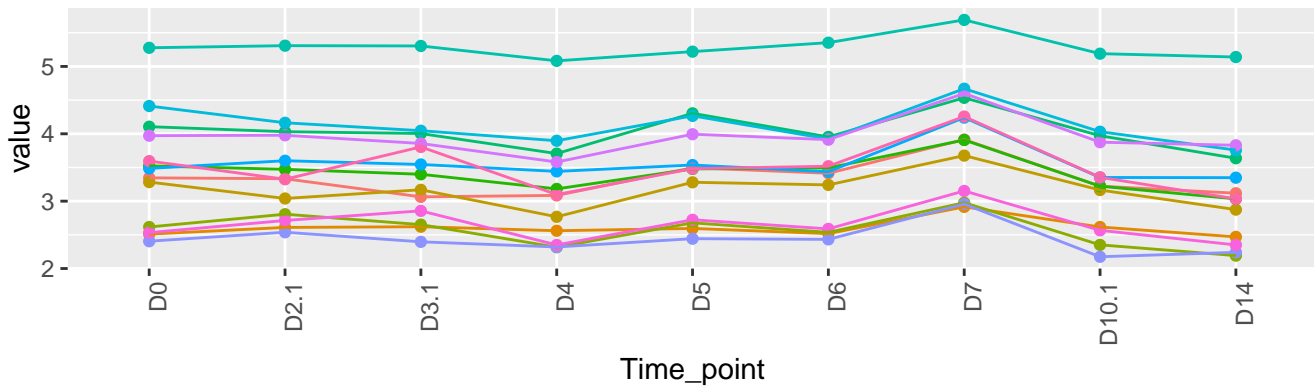
12 genes – KO-cluster-151-original



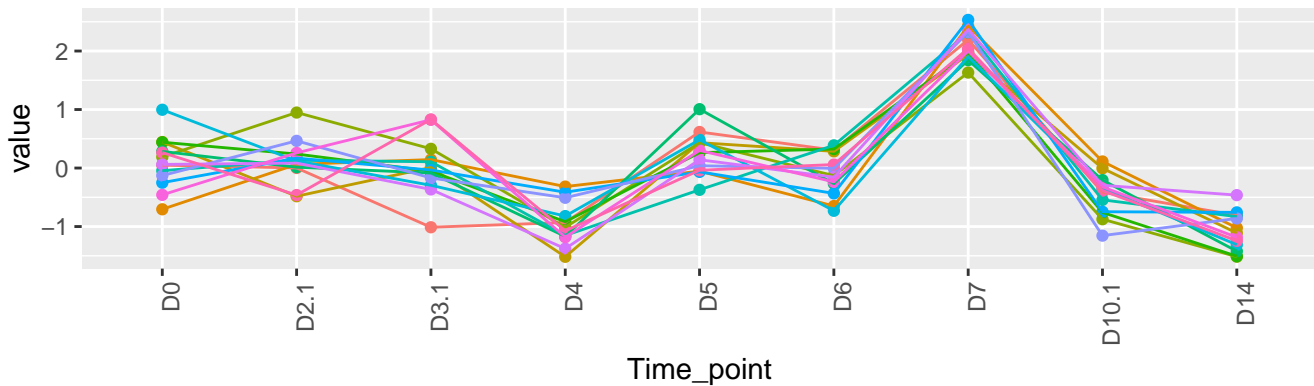
12 genes – KO-cluster-151-standardized



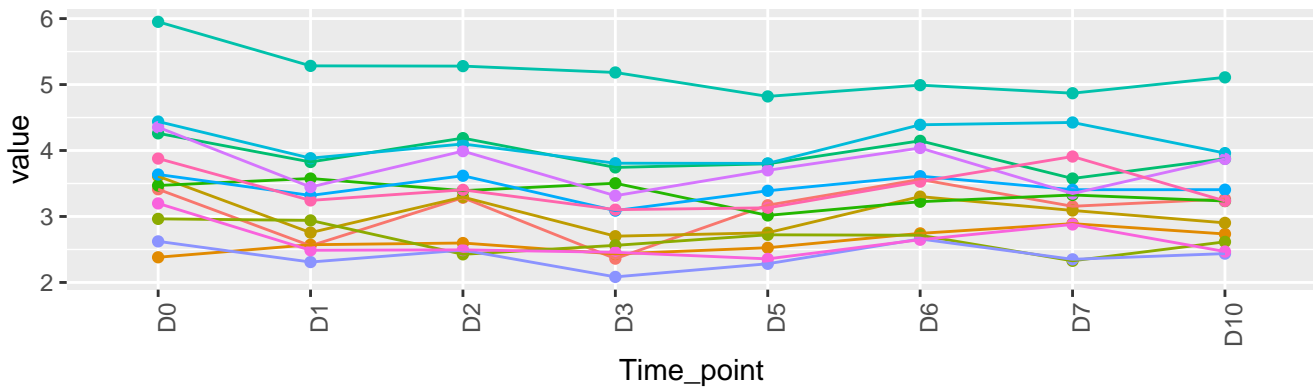
13 genes – WT-cluster-150-original



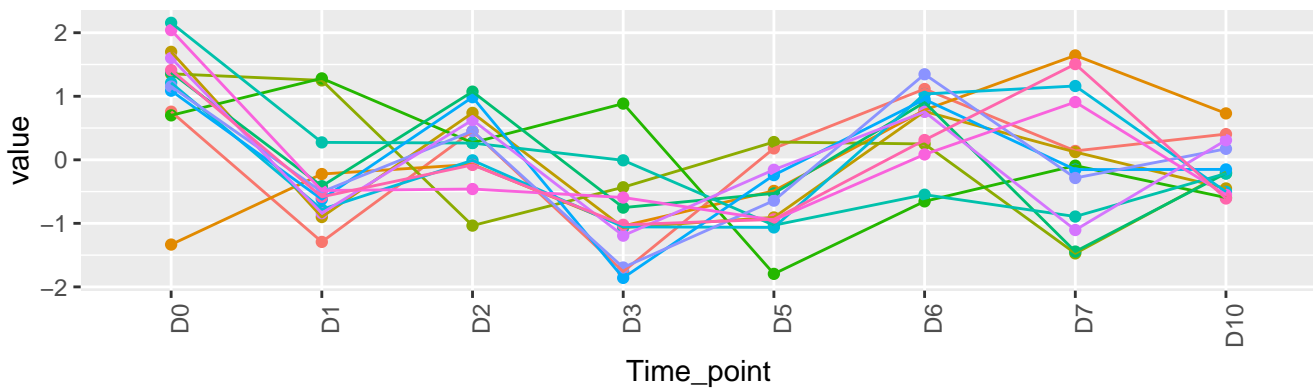
13 genes – WT-cluster-150-standardized



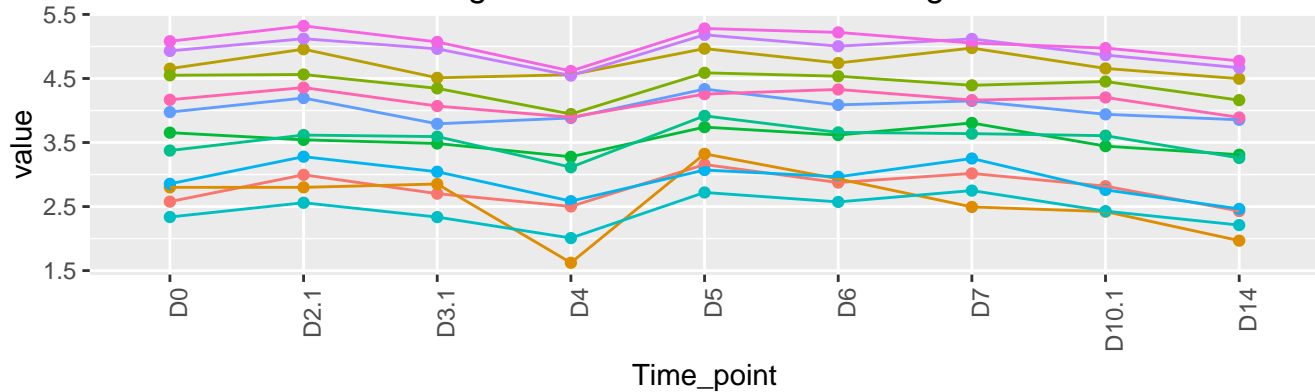
13 genes – KO-cluster-150-original



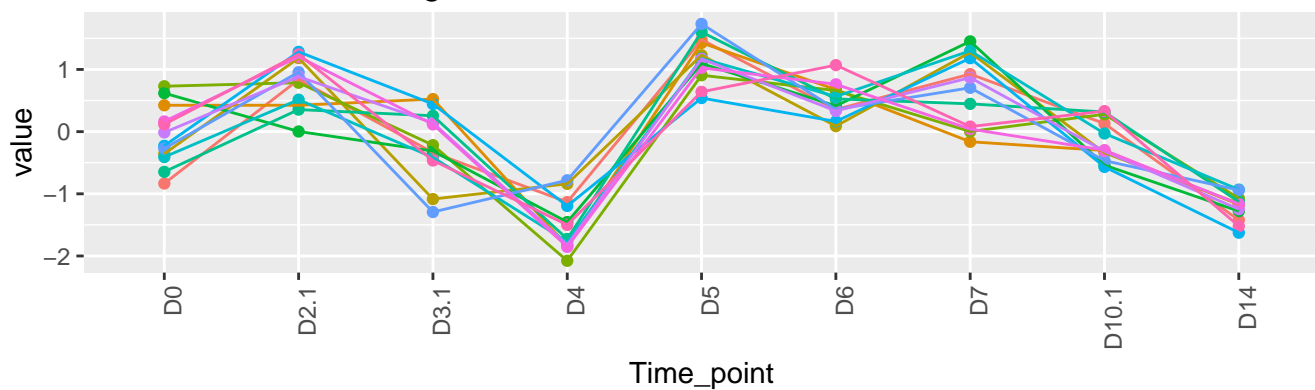
13 genes – KO-cluster-150-standardized



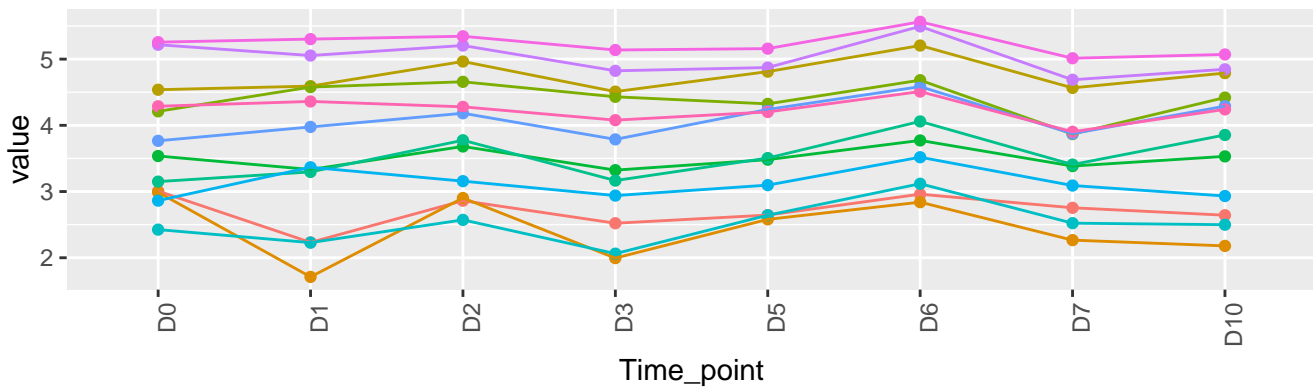
12 genes – WT-cluster-149-original



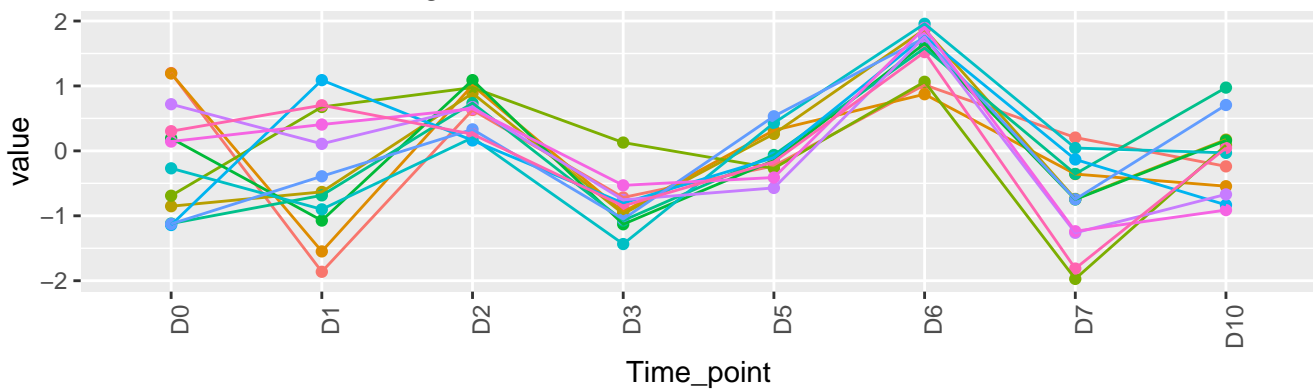
12 genes – WT-cluster-149-standardized



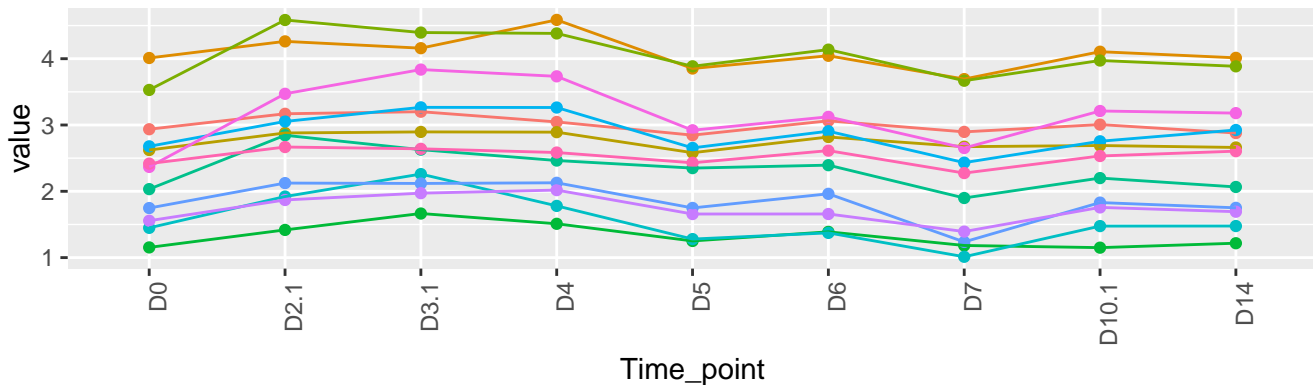
12 genes – KO-cluster-149-original



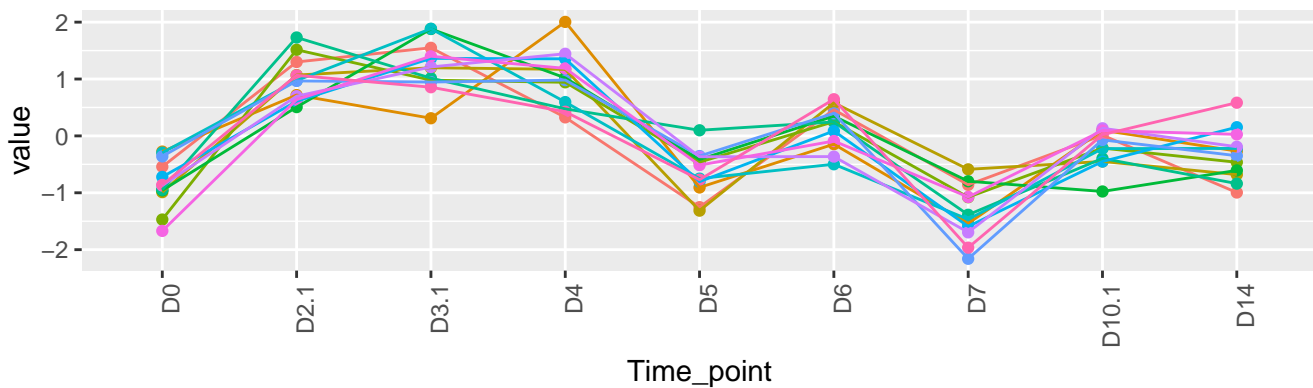
12 genes – KO-cluster-149-standardized



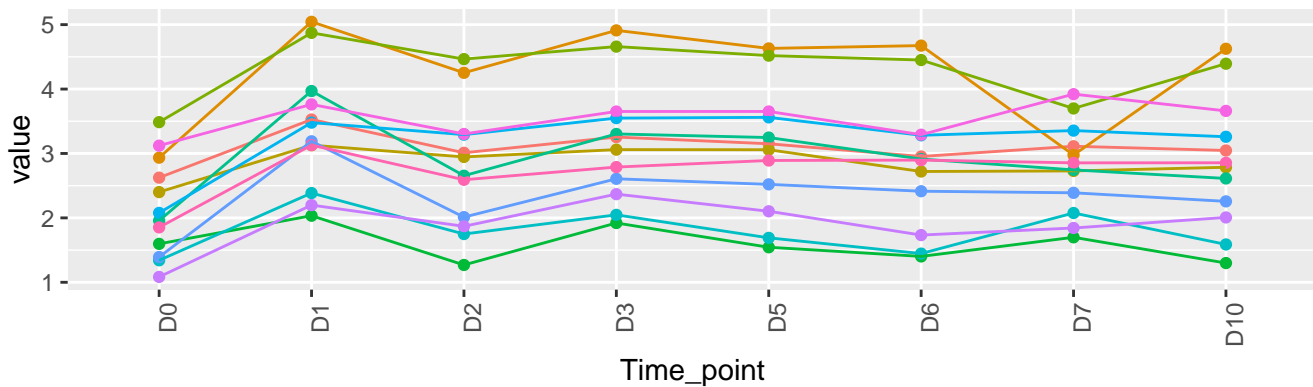
12 genes – WT-cluster-148-original



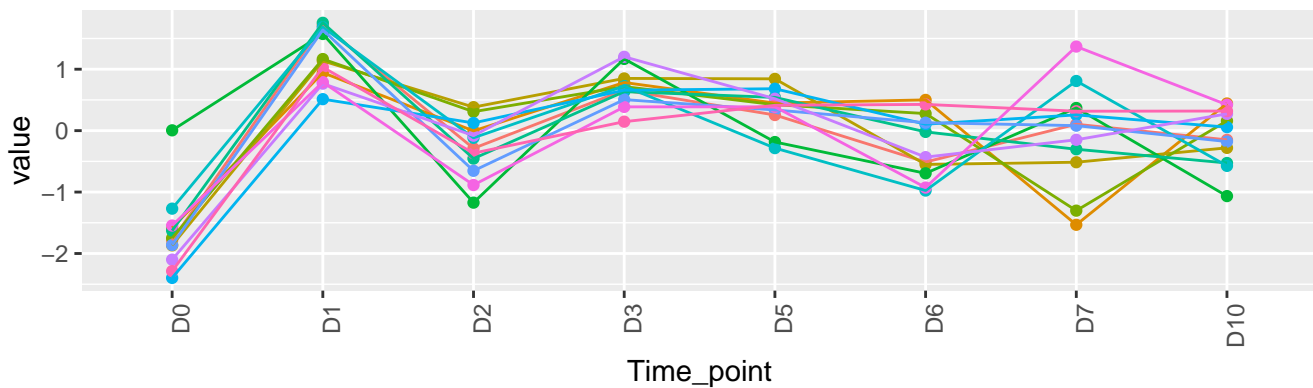
12 genes – WT-cluster-148-standardized



12 genes – KO-cluster-148-original



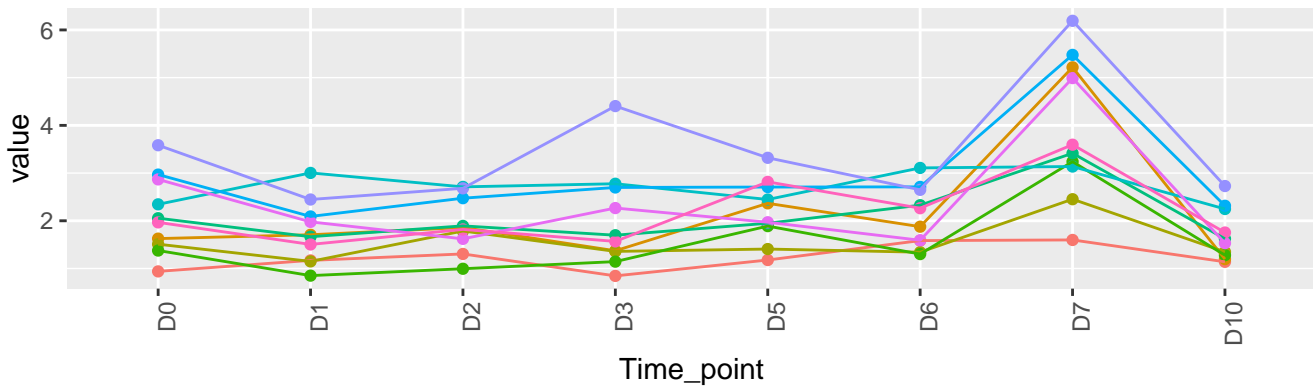
12 genes – KO-cluster-148-standardized



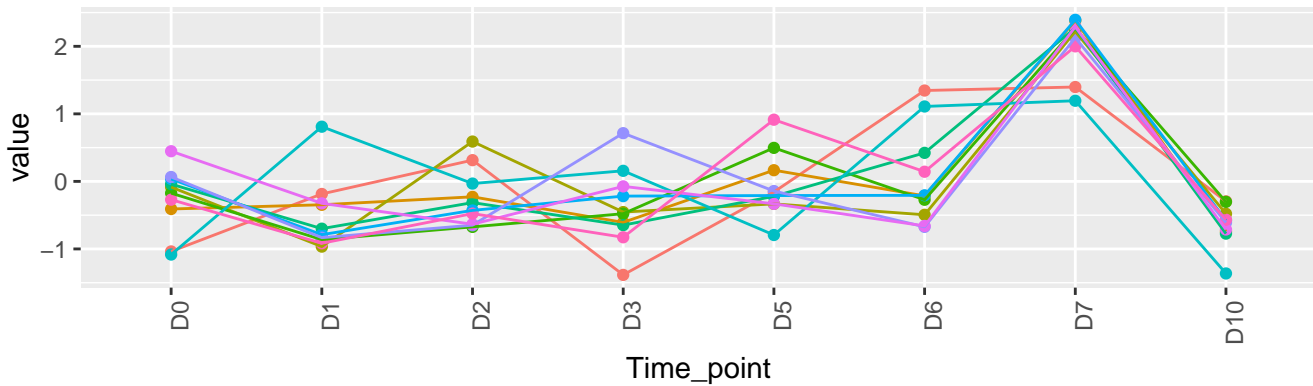
The graph illustrates the evolution of the number of nodes in the network over time for different network sizes. The x-axis represents time points from D0 to D14. The y-axis represents the number of nodes, ranging from 0 to 100. Multiple lines represent different network sizes, with colors corresponding to the legend: 100 (blue), 50 (orange), 25 (green), 10 (red), 5 (purple), 2 (brown), and 1 (pink). The graph shows that the number of nodes generally decreases over time, with the 100-node network maintaining the highest number of nodes throughout the period.

The graph displays the number of nodes in the network at various time points for different network types. The x-axis represents time points (D0, D2.1, D3.1, D4, D5, D6, D7, D10.1, D14) and the y-axis represents the number of nodes (0 to 100). Multiple lines represent different network types, showing varying trends over time.

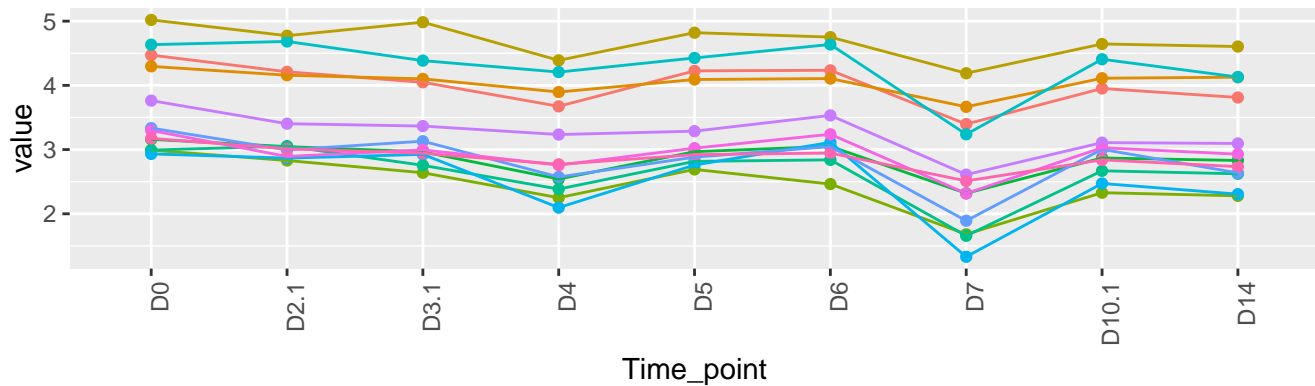
10 genes – KO-cluster-147-original



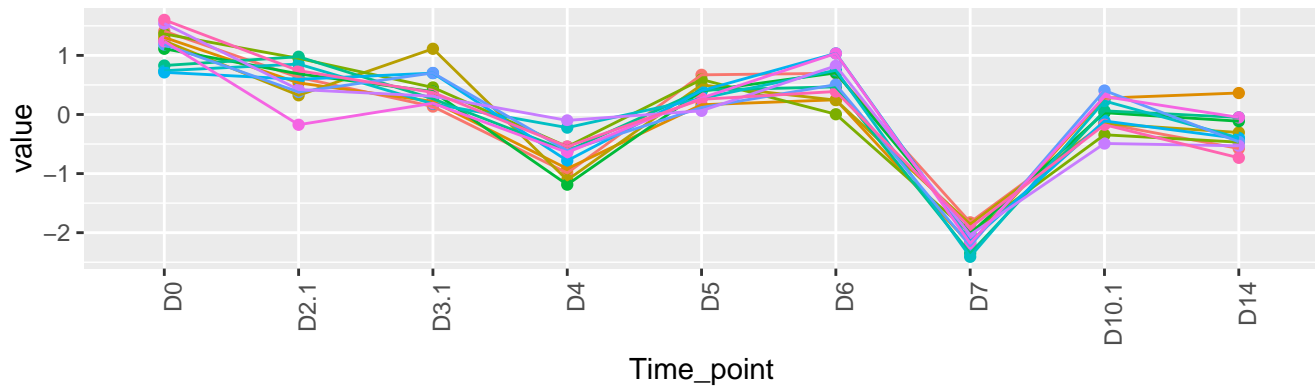
10 genes – KO-cluster-147-standardized



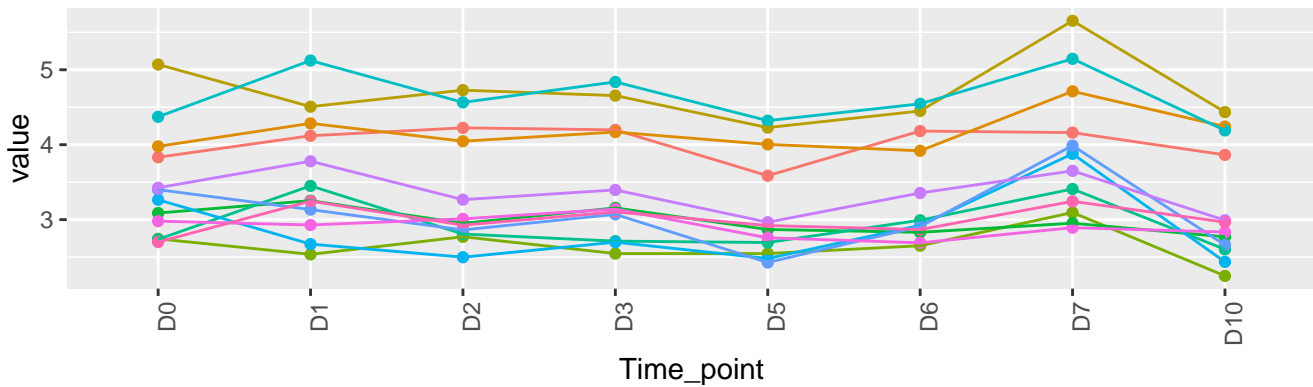
12 genes – WT-cluster-146-original



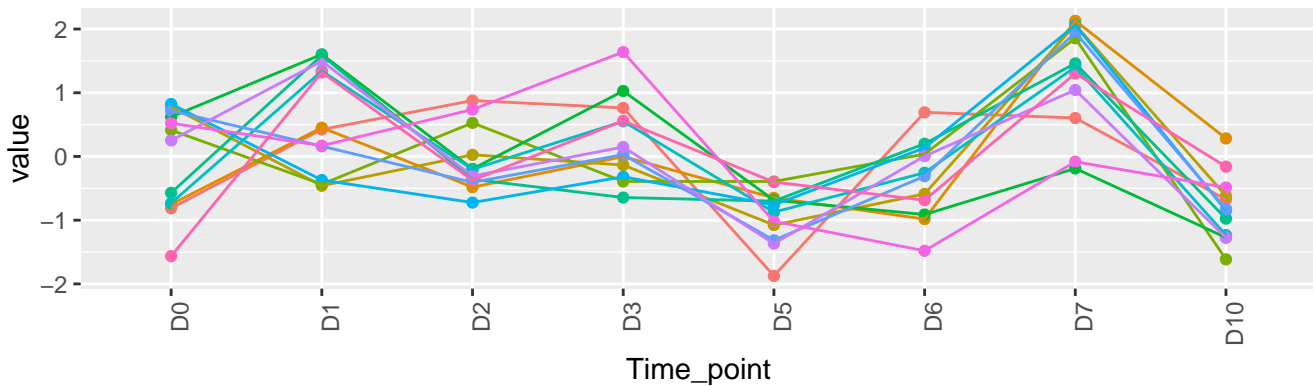
12 genes – WT-cluster-146-standardized



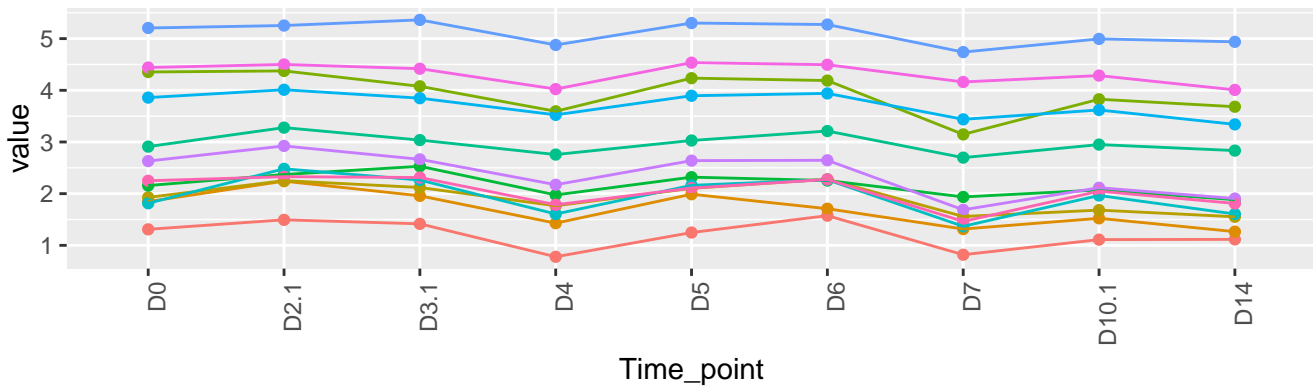
12 genes – KO-cluster-146-original



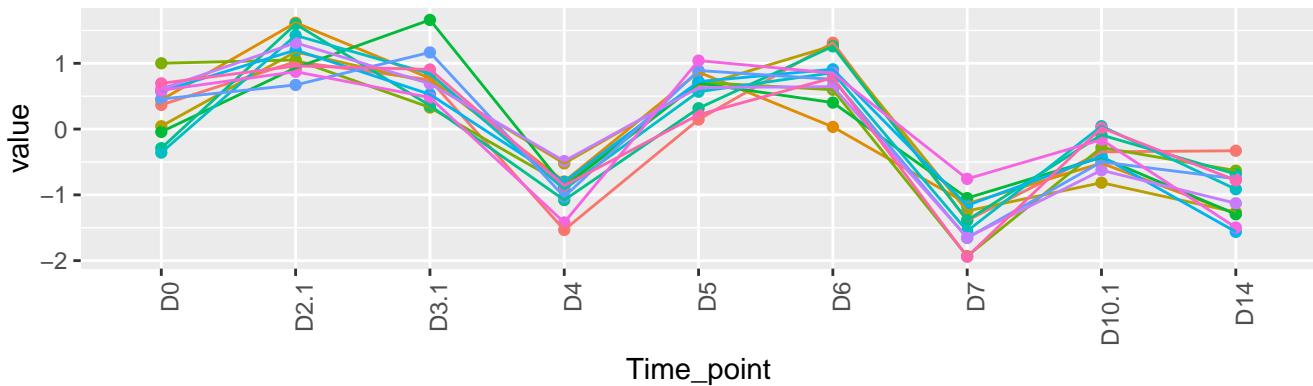
12 genes – KO-cluster-146-standardized



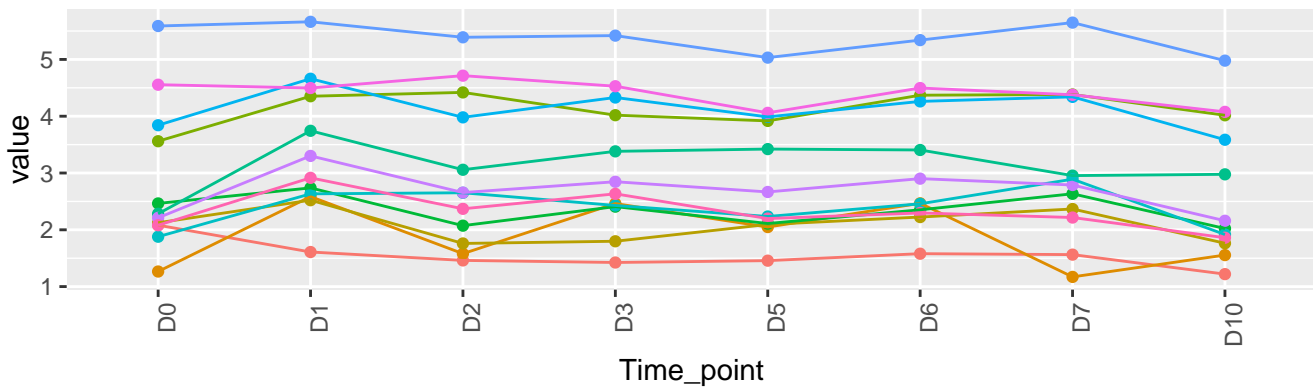
12 genes – WT-cluster-145-original



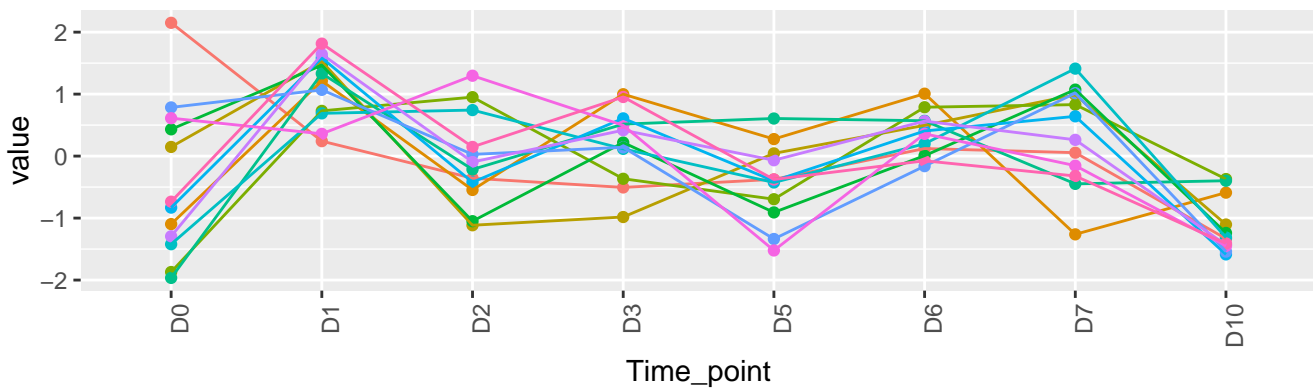
12 genes – WT-cluster-145-standardized



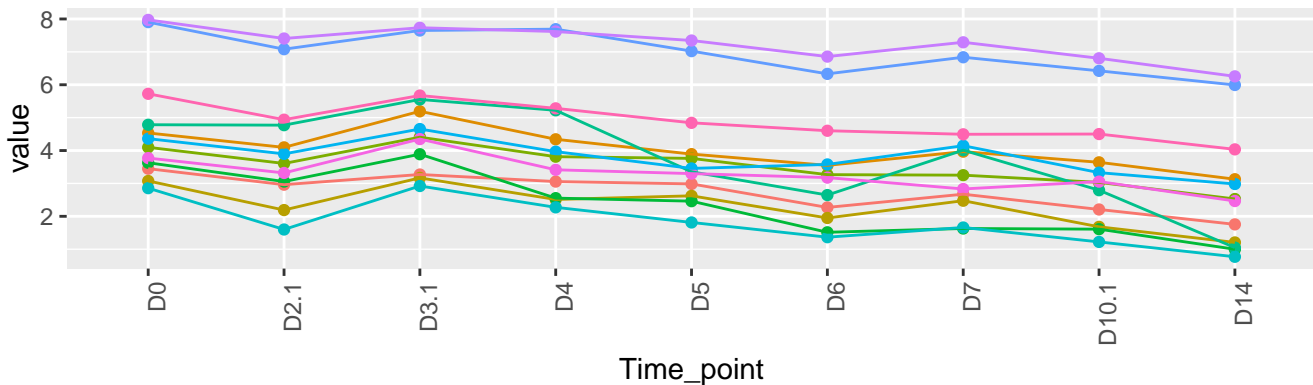
12 genes – KO-cluster-145-original



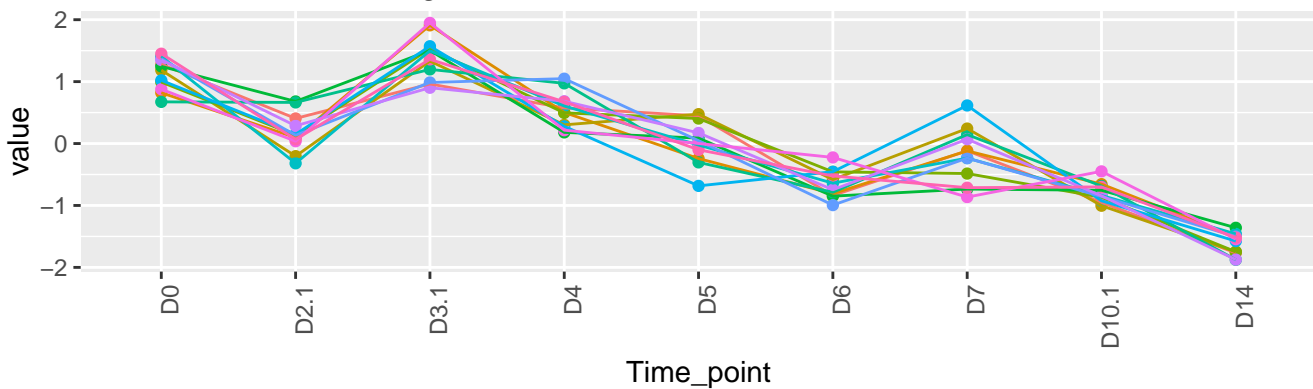
12 genes – KO-cluster-145-standardized



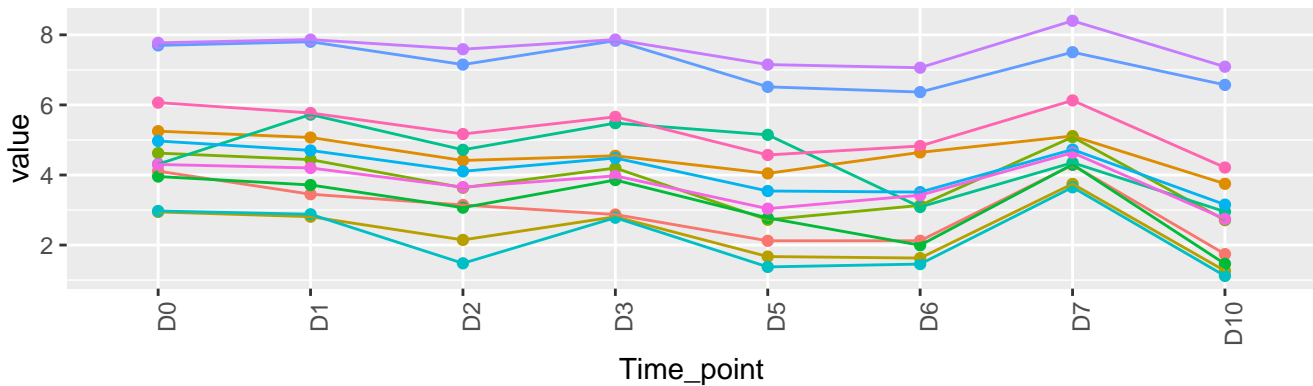
12 genes – WT-cluster-144-original



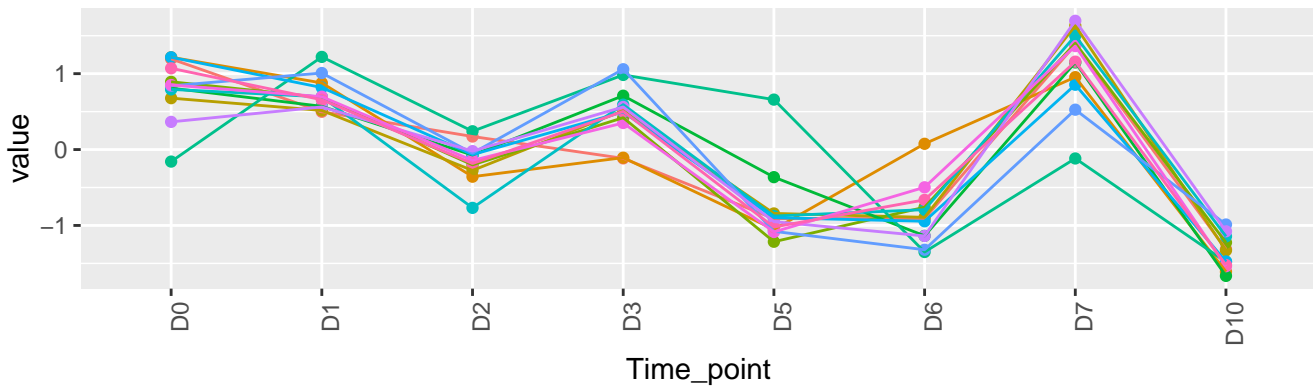
12 genes – WT-cluster-144-standardized



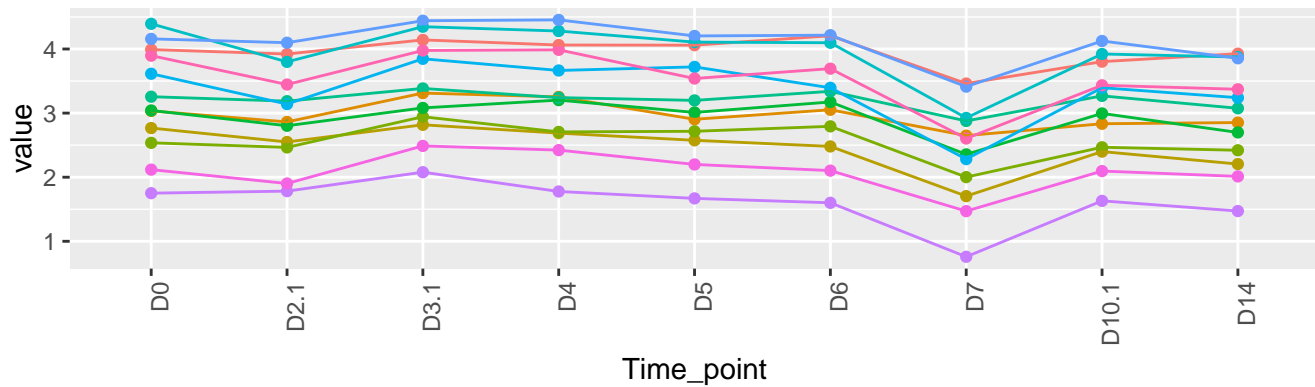
12 genes – KO-cluster-144-original



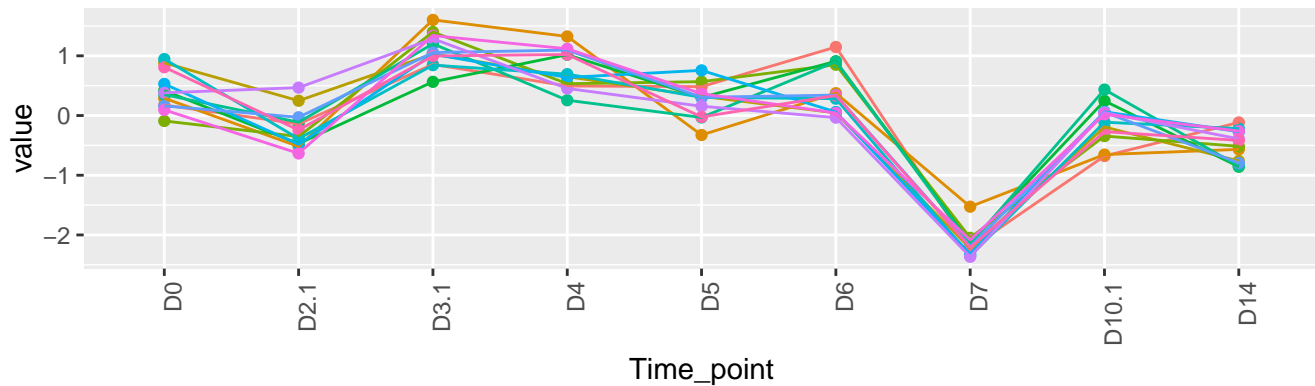
12 genes – KO-cluster-144-standardized



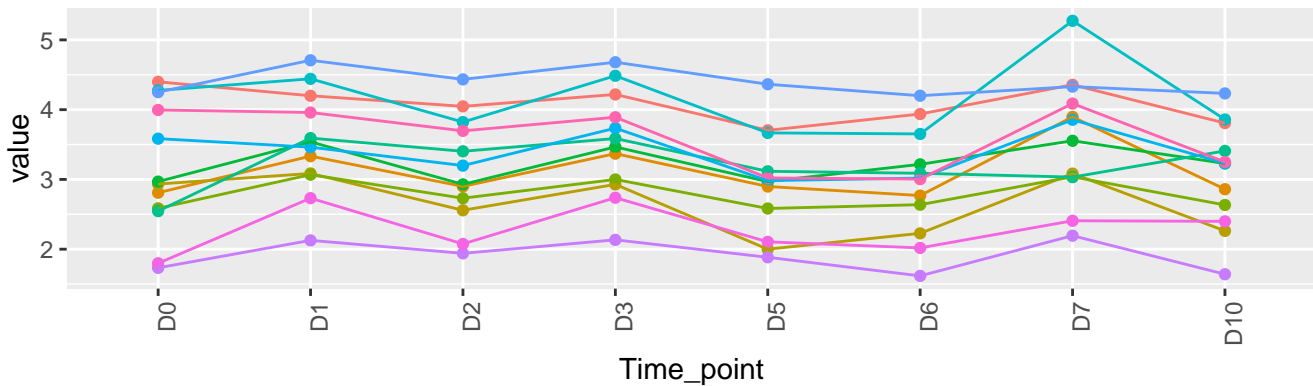
12 genes – WT-cluster-143-original



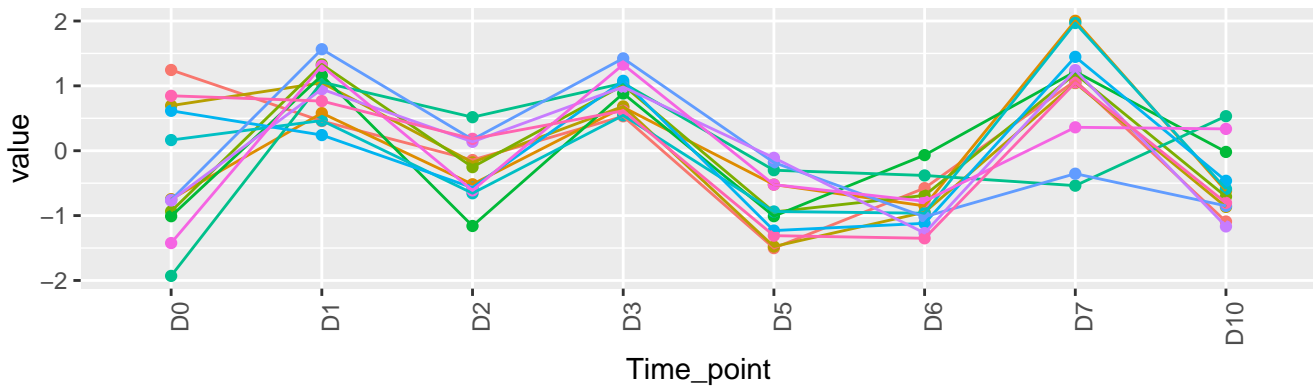
12 genes – WT-cluster-143-standardized



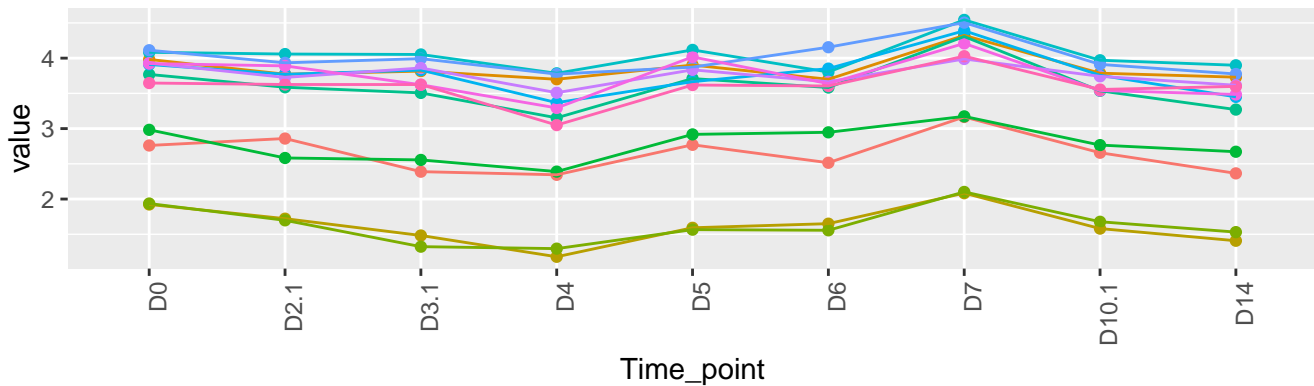
12 genes – KO-cluster-143-original



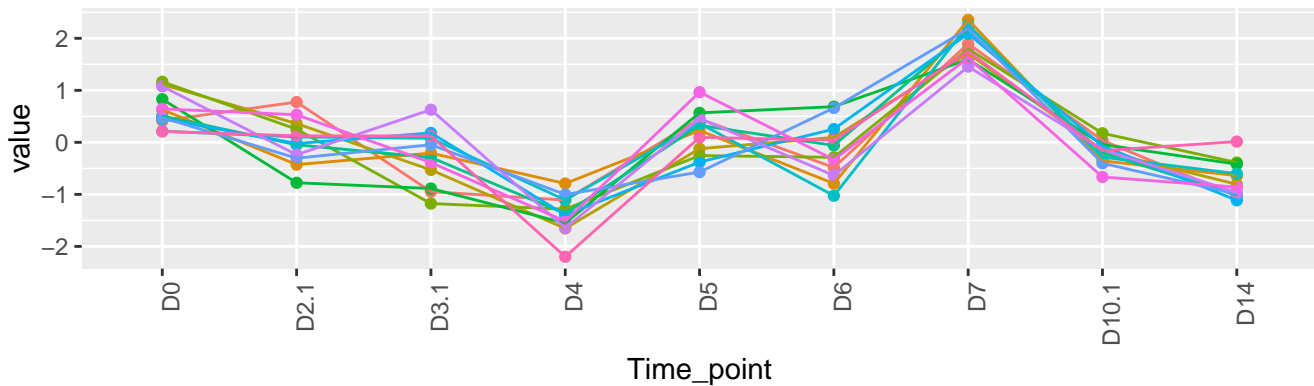
12 genes – KO-cluster-143-standardized



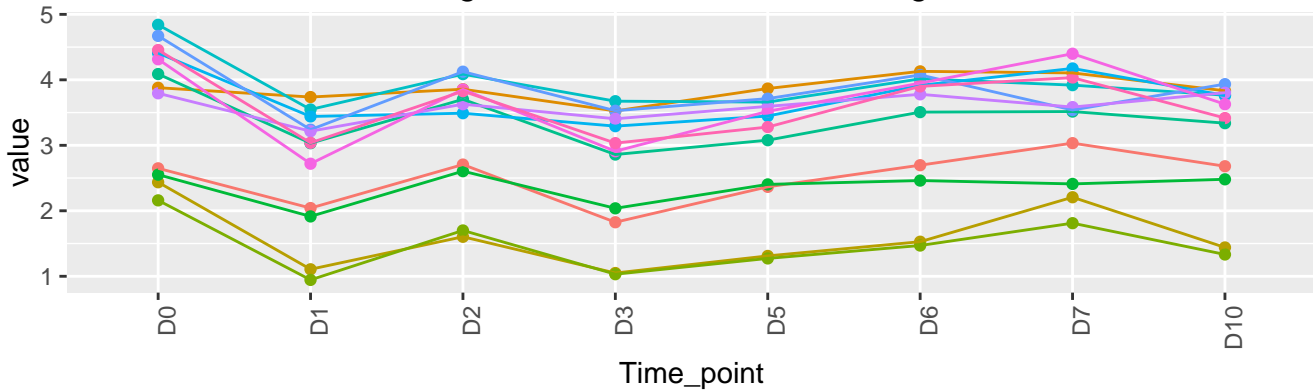
12 genes – WT-cluster-142-original



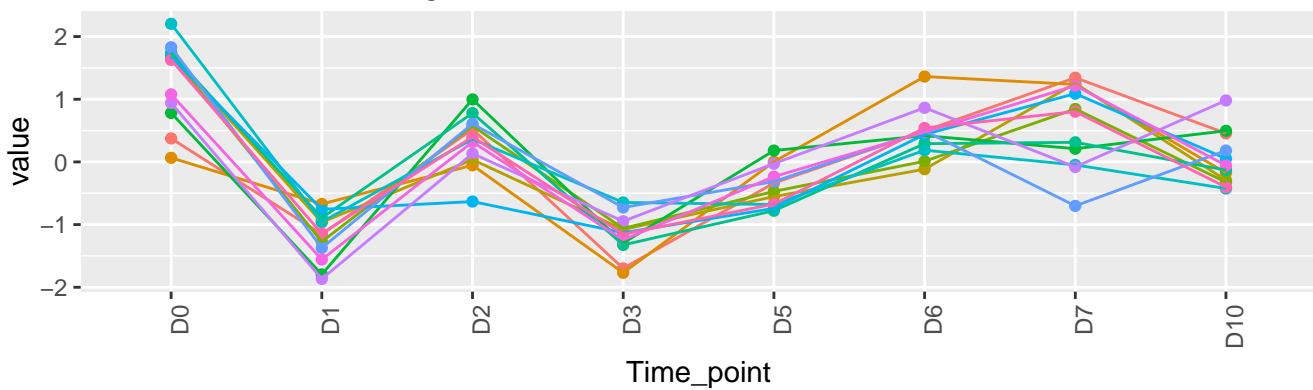
12 genes – WT-cluster-142-standardized



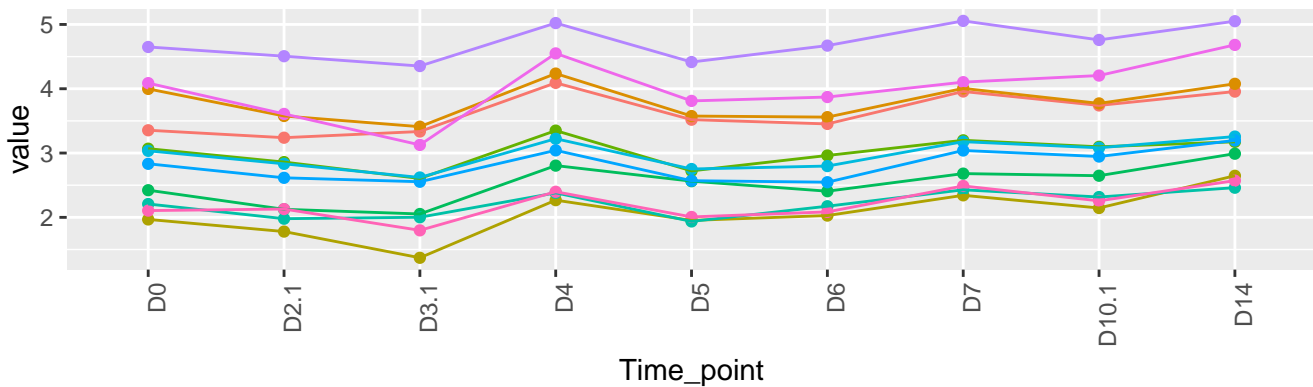
12 genes – KO-cluster-142-original



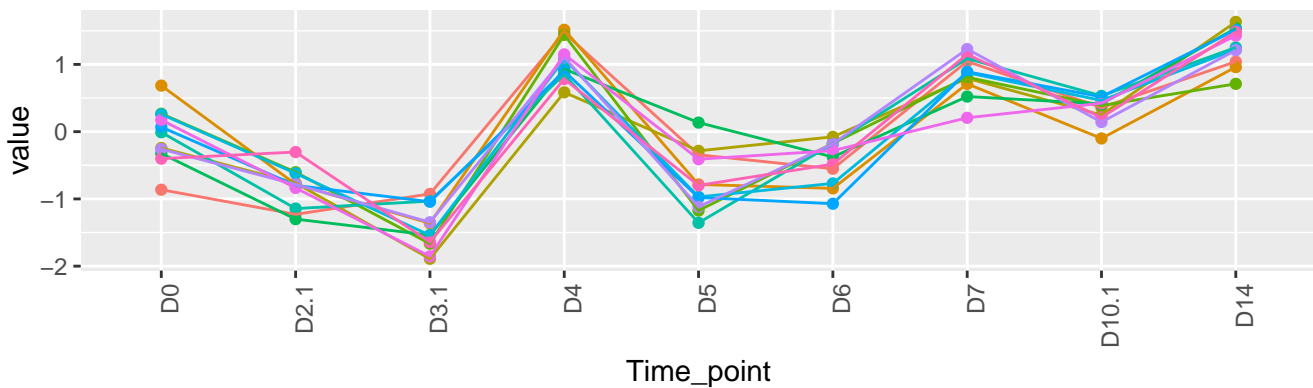
12 genes – KO-cluster-142-standardized



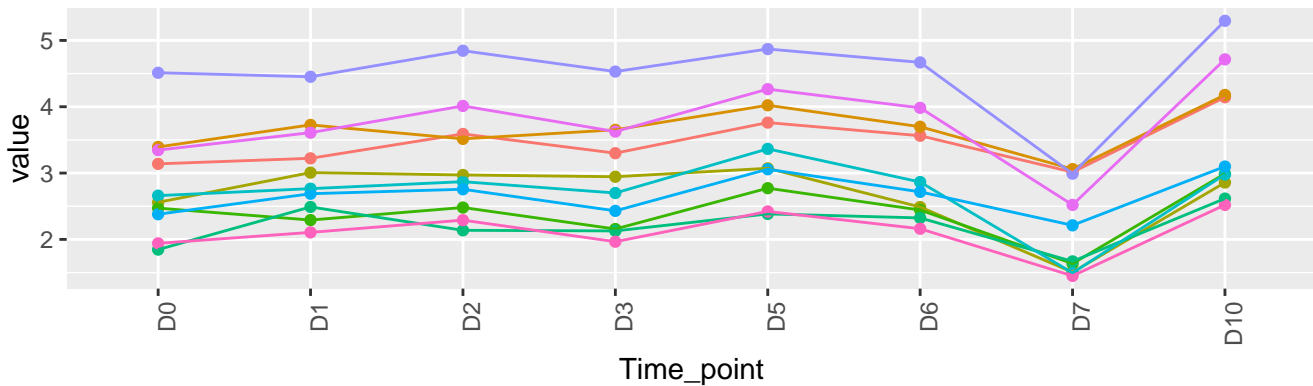
11 genes – WT-cluster-141-original



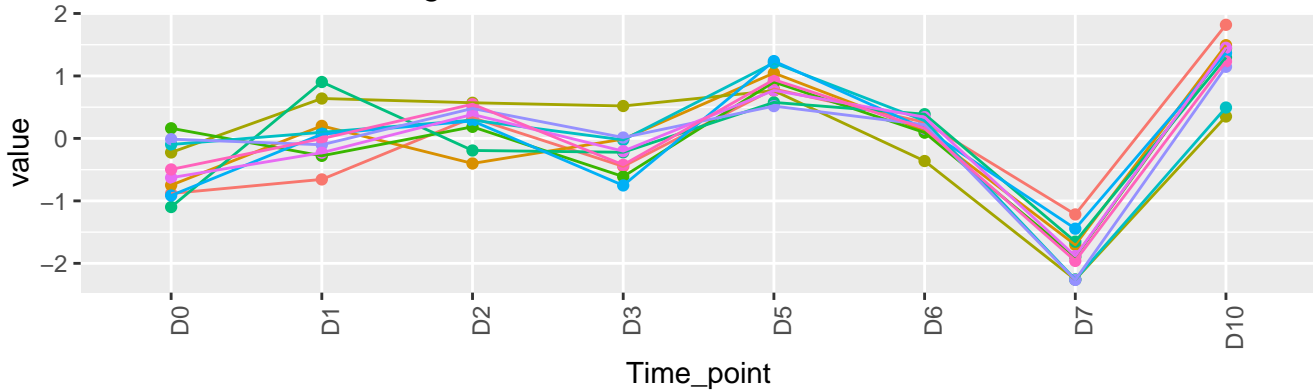
11 genes – WT-cluster-141-standardized



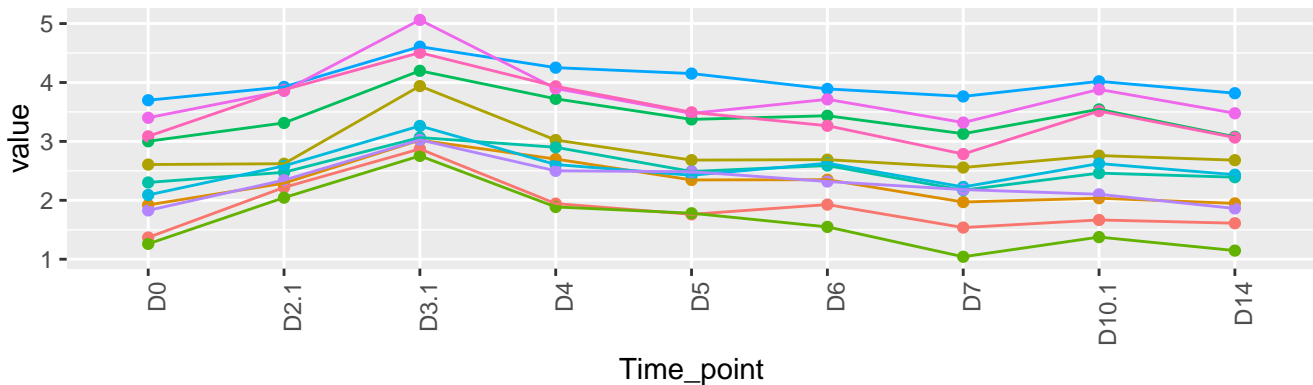
10 genes – KO-cluster-141-original



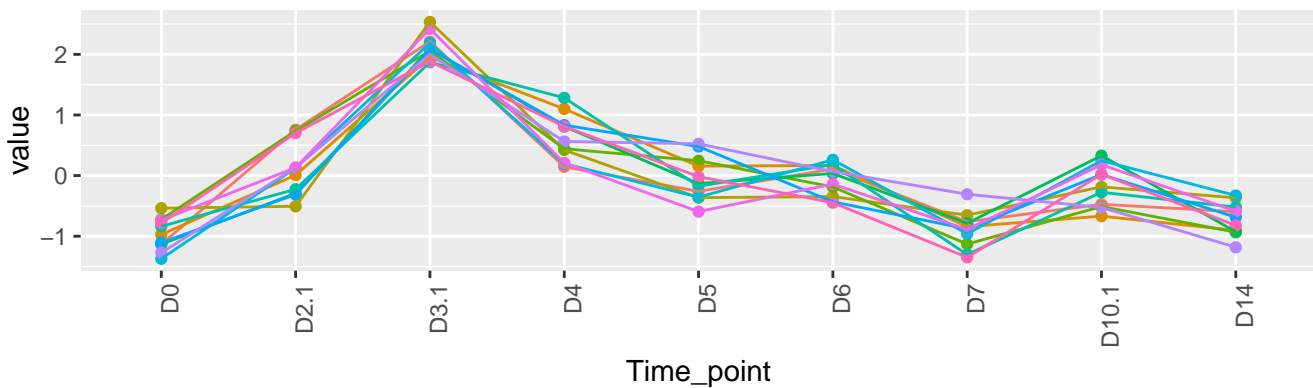
10 genes – KO-cluster-141-standardized



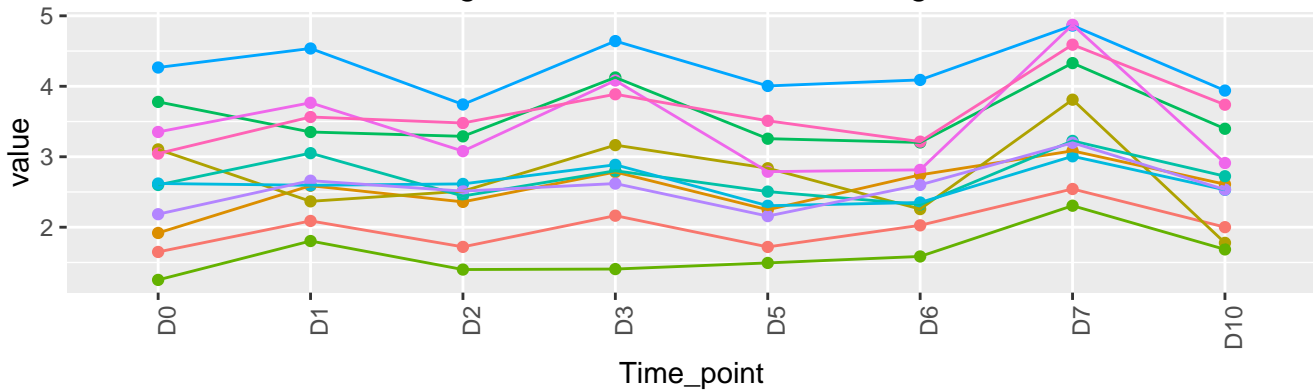
11 genes – WT-cluster-140-original



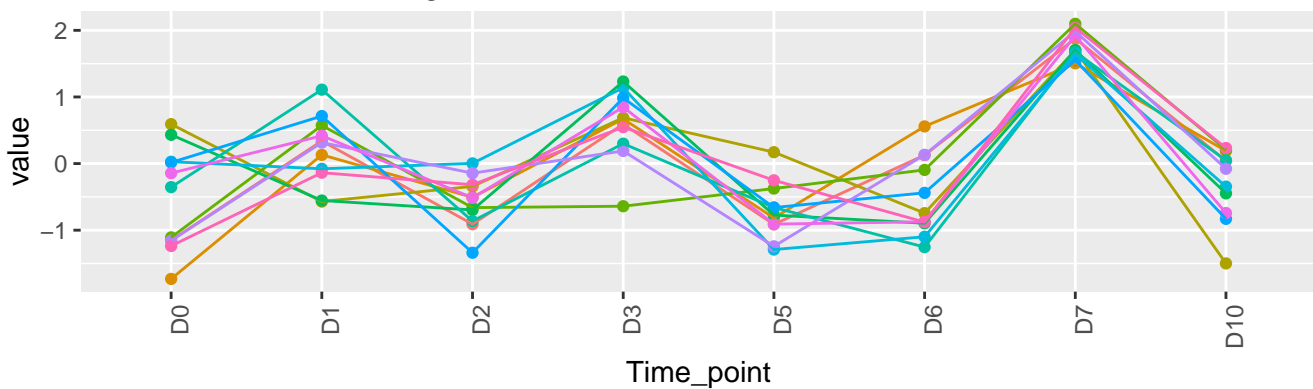
11 genes – WT-cluster-140-standardized



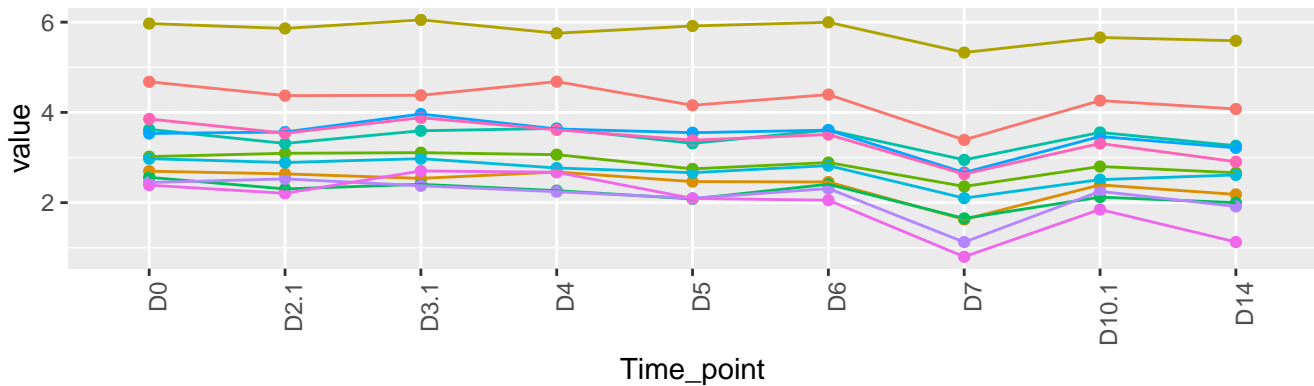
11 genes – KO-cluster-140-original



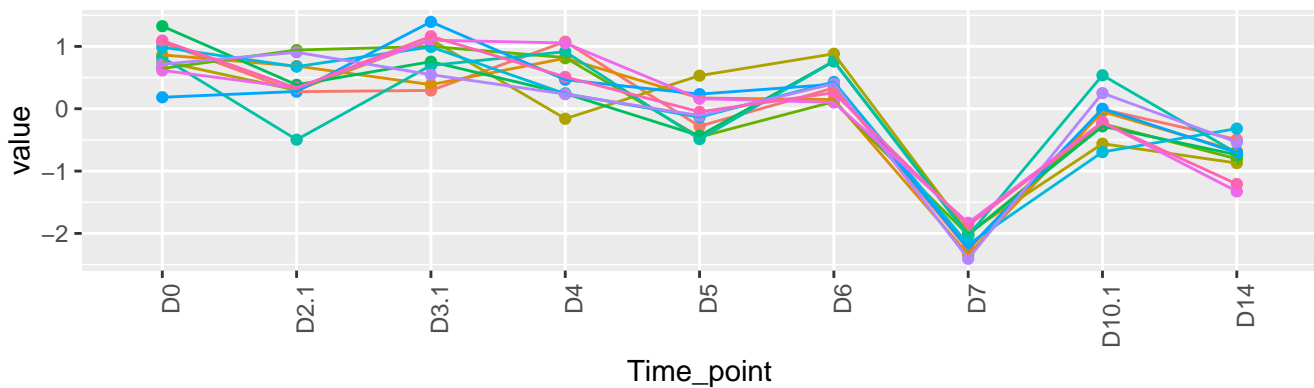
11 genes – KO-cluster-140-standardized



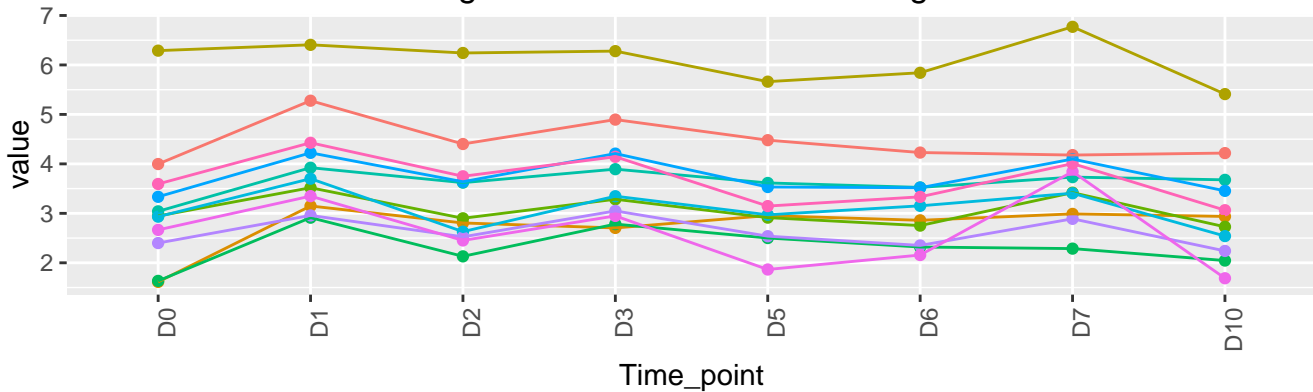
11 genes – WT-cluster-139-original



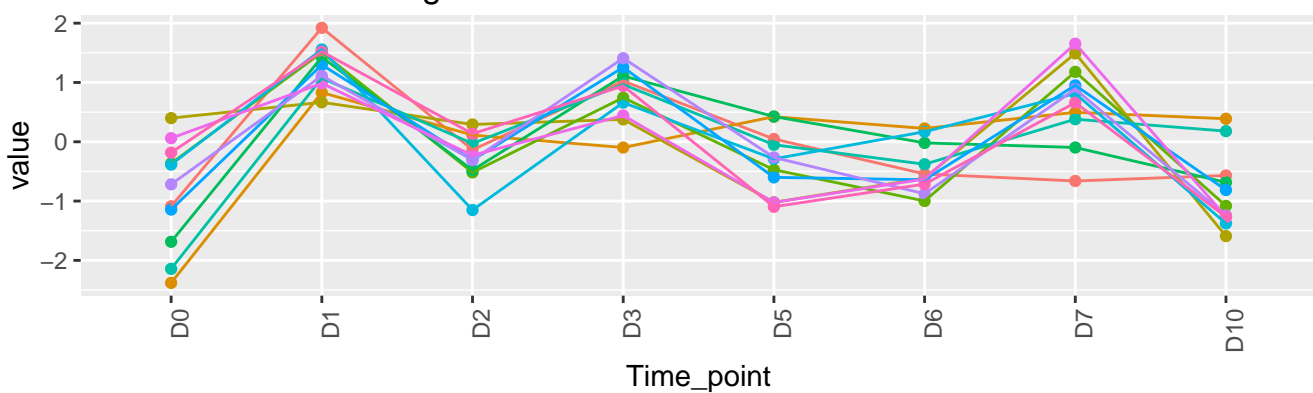
11 genes – WT-cluster-139-standardized



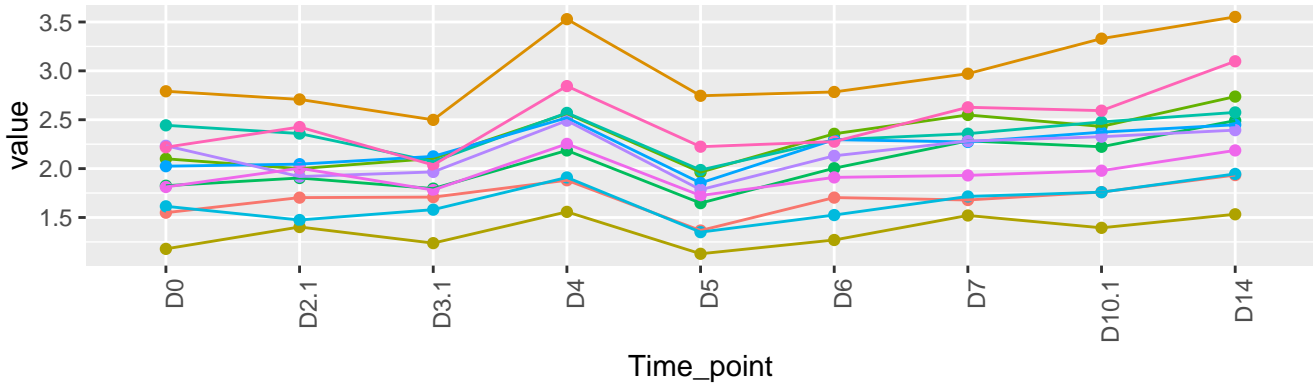
11 genes – KO-cluster-139-original



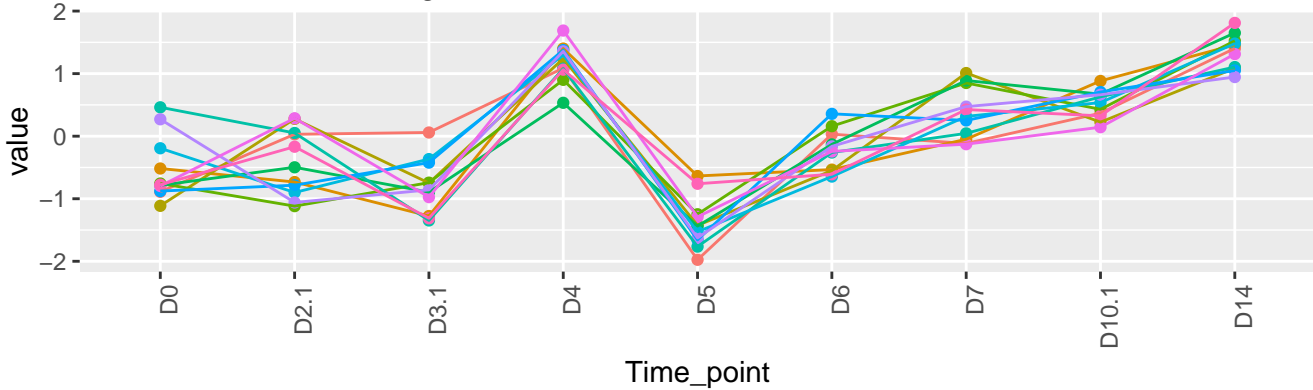
11 genes – KO-cluster-139-standardized



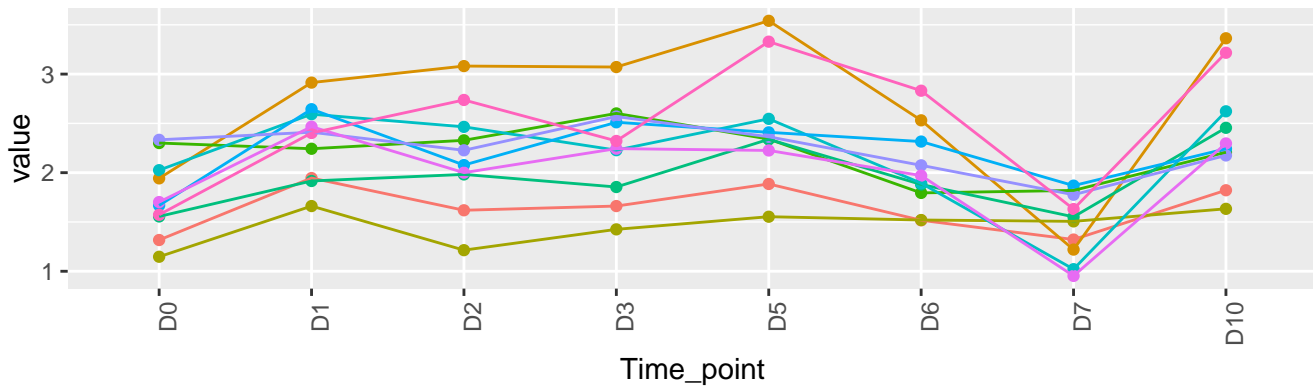
11 genes – WT-cluster-138-original



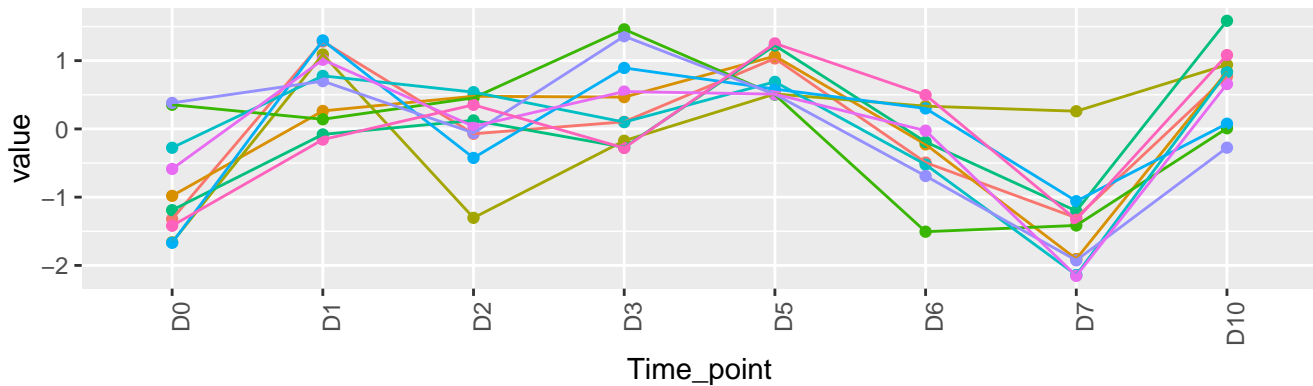
11 genes – WT-cluster-138-standardized



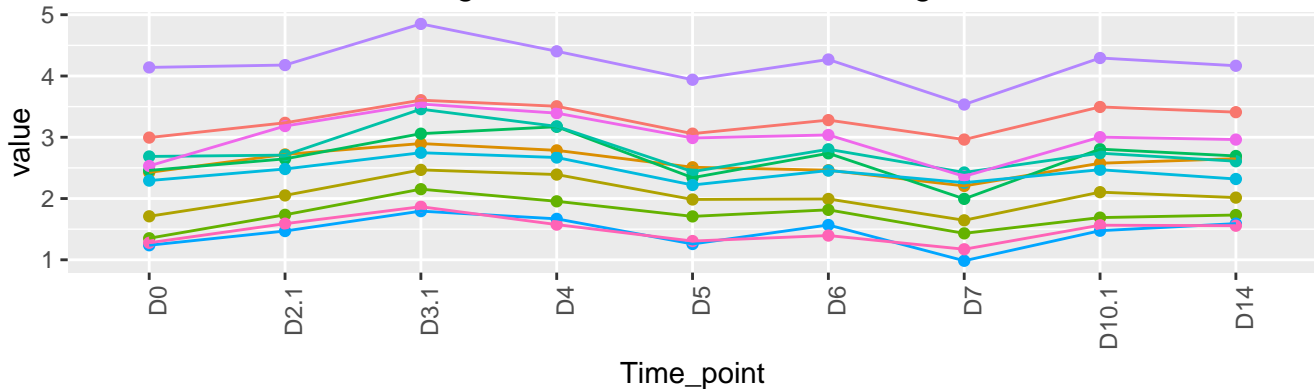
10 genes – KO-cluster-138-original



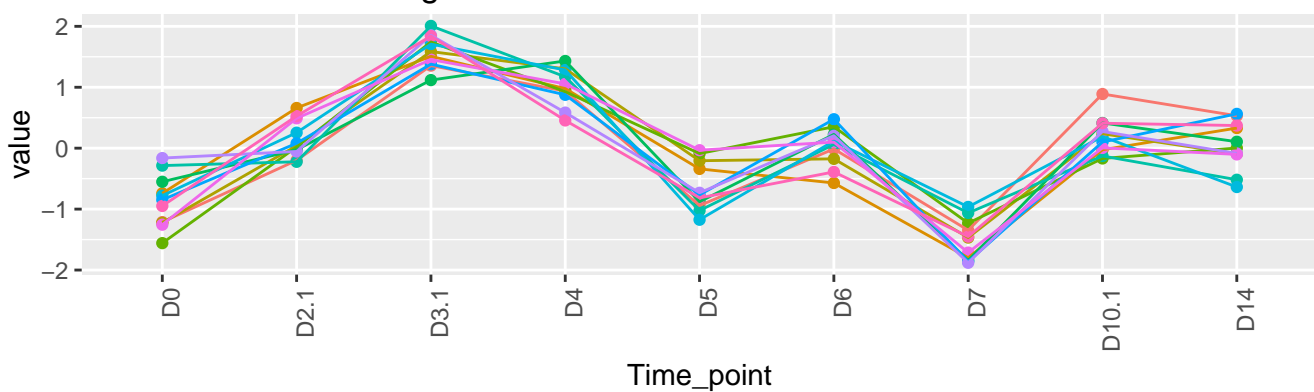
10 genes – KO-cluster-138-standardized



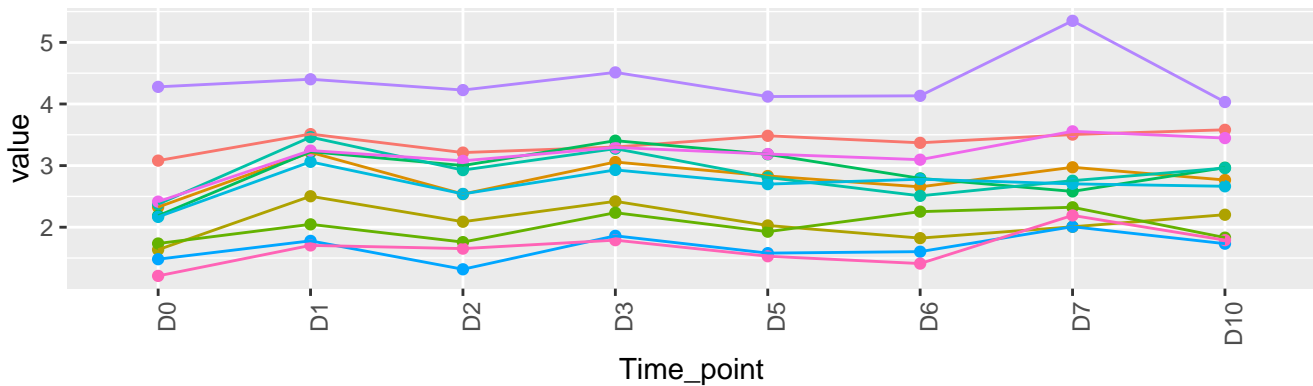
11 genes – WT-cluster-137-original



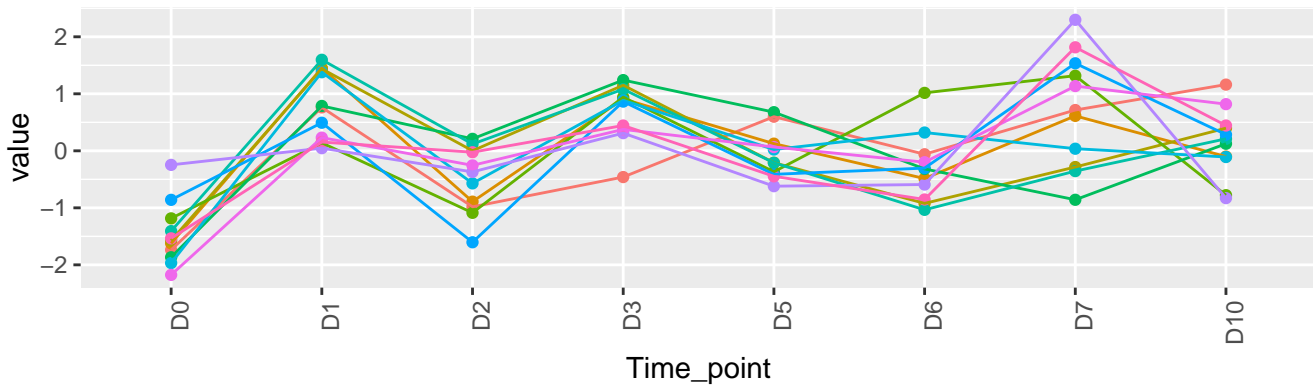
11 genes – WT-cluster-137-standardized



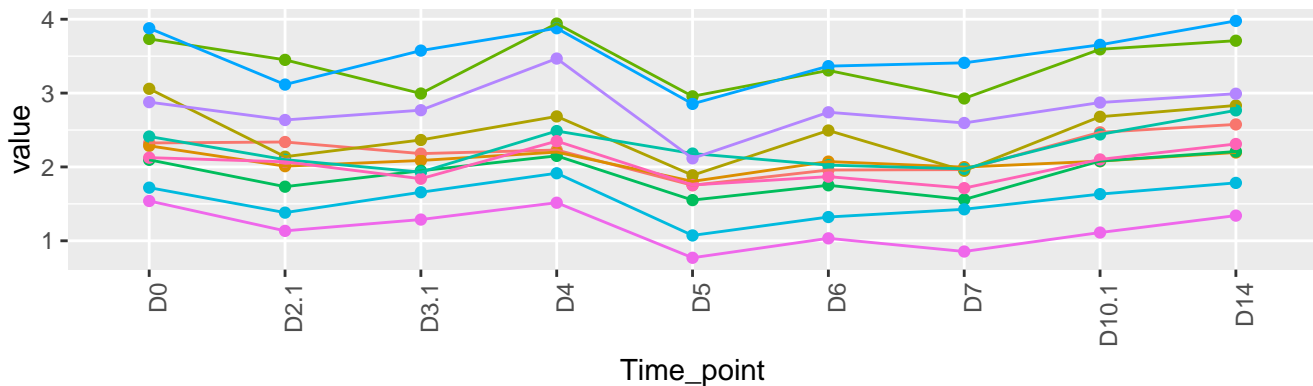
11 genes – KO-cluster-137-original



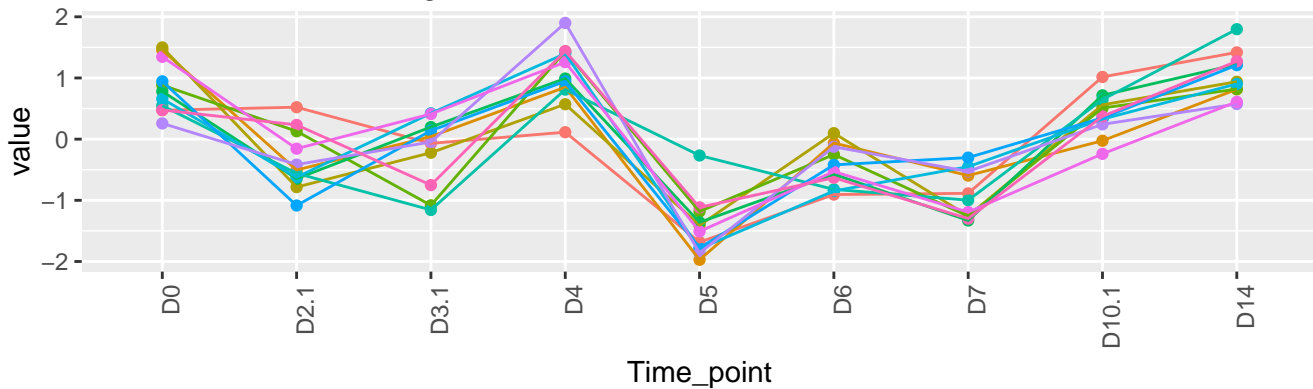
11 genes – KO-cluster-137-standardized



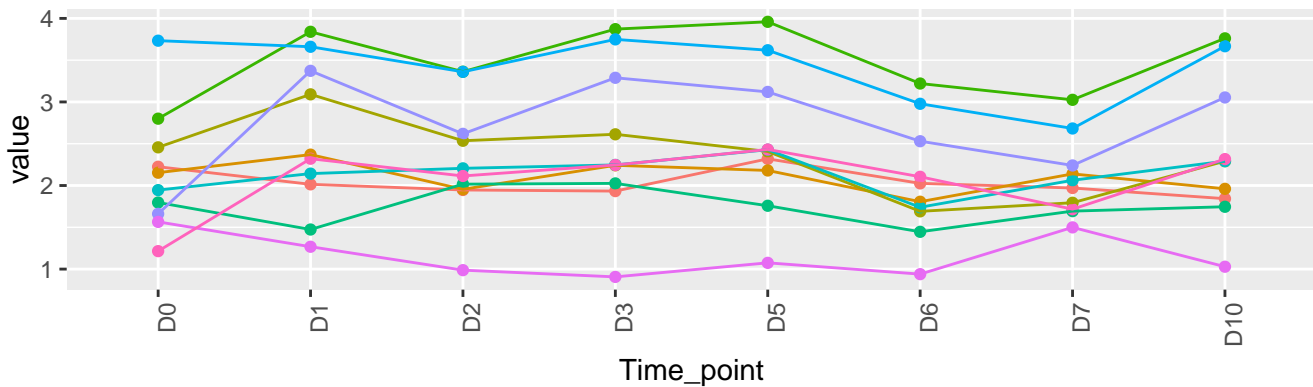
11 genes – WT-cluster-136-original



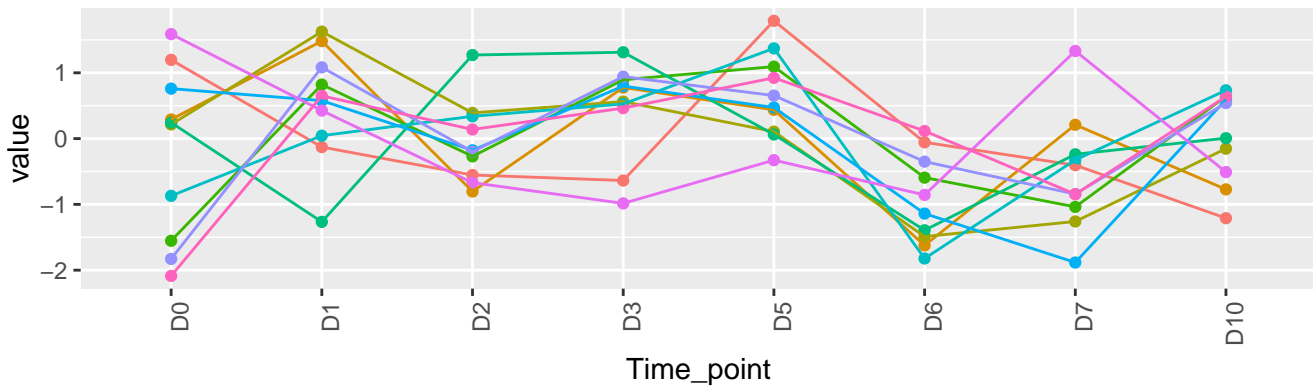
11 genes – WT-cluster-136-standardized



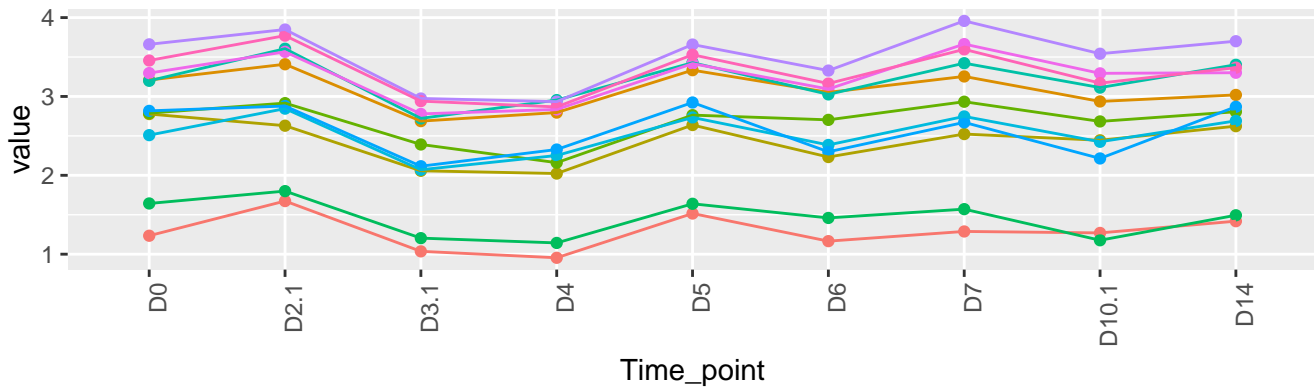
10 genes – KO-cluster-136-original



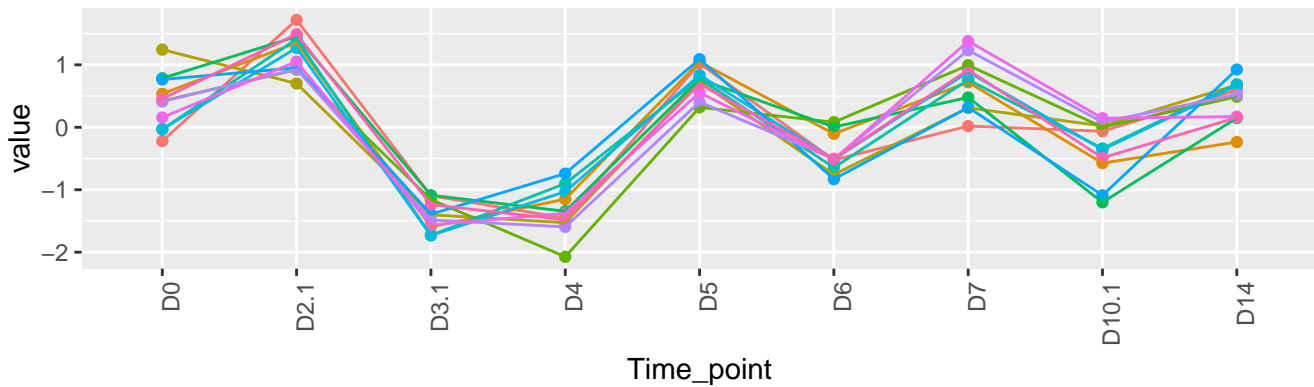
10 genes – KO-cluster-136-standardized



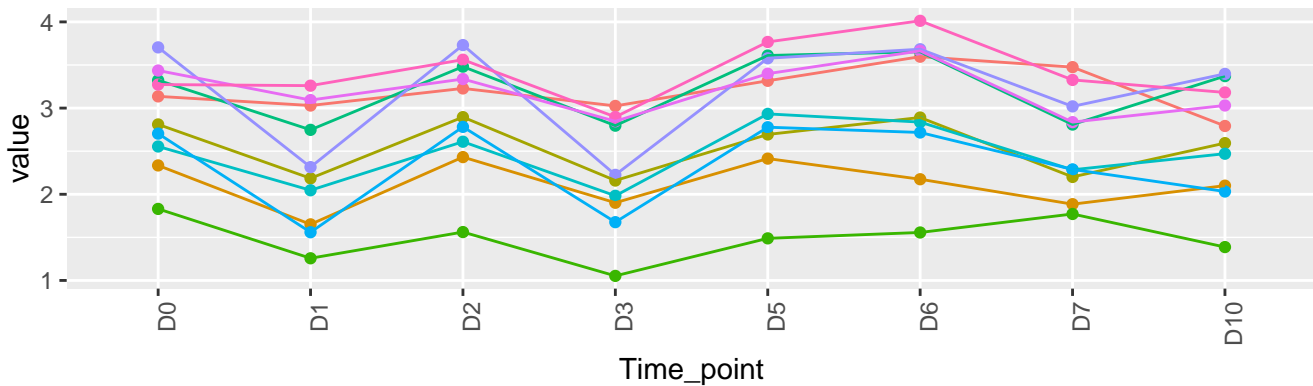
11 genes – WT-cluster-135-original



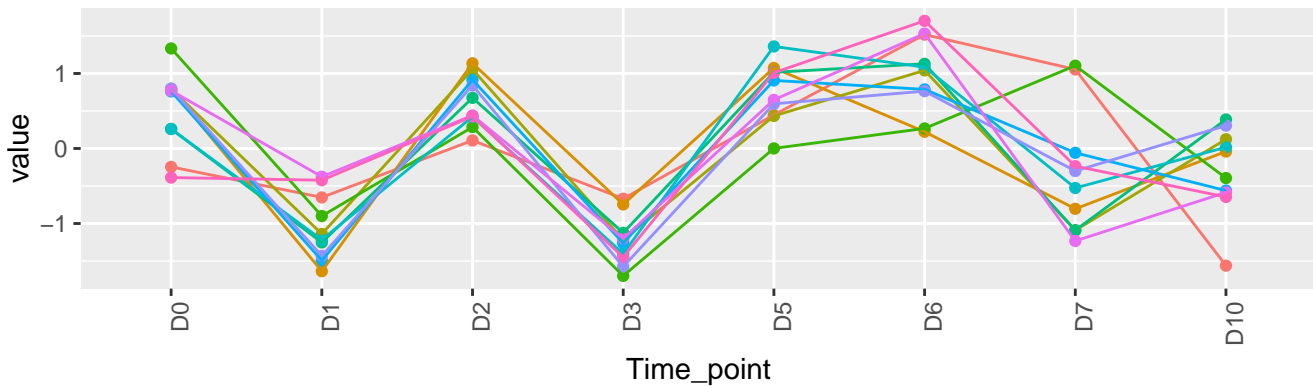
11 genes – WT-cluster-135-standardized



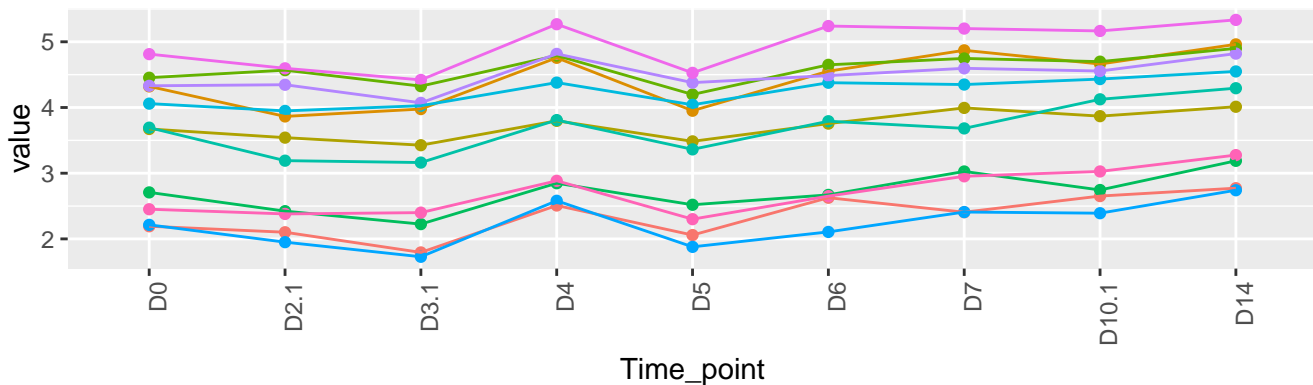
10 genes – KO-cluster-135-original



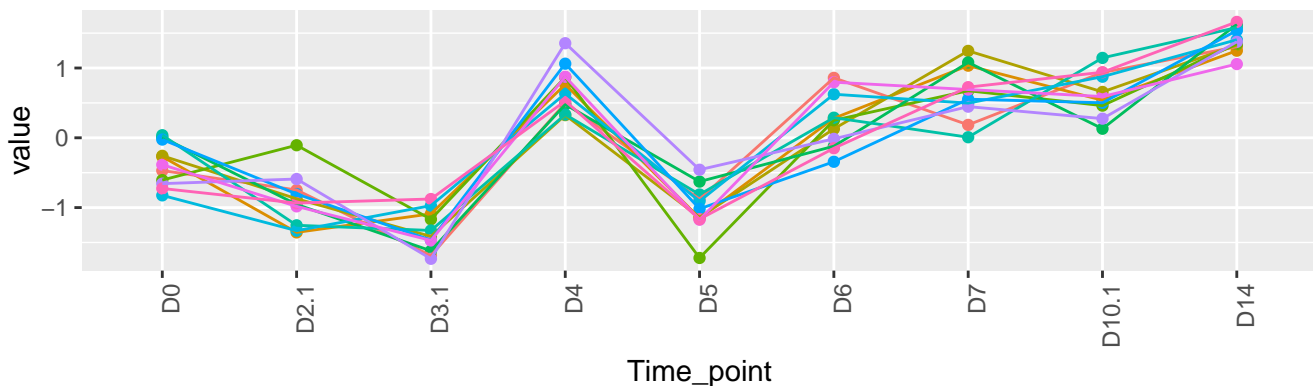
10 genes – KO-cluster-135-standardized



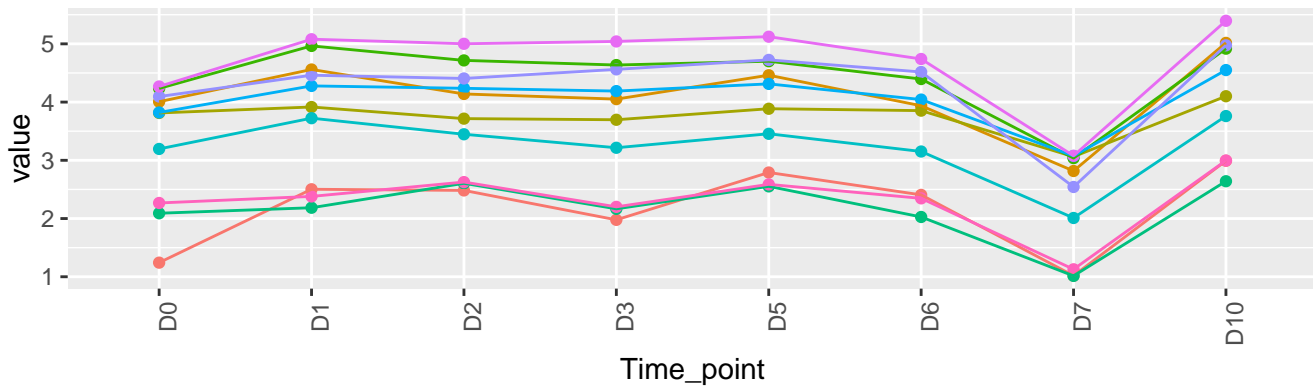
11 genes – WT-cluster-134-original



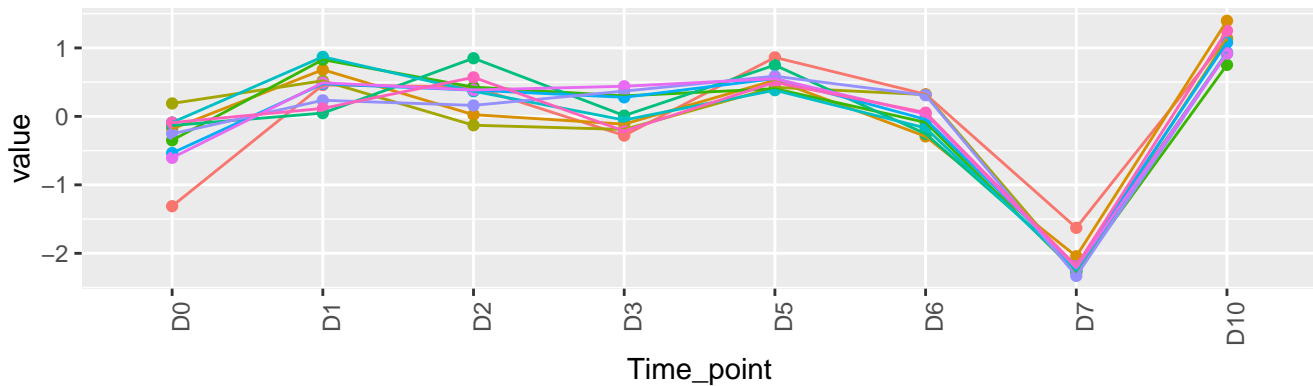
11 genes – WT-cluster-134-standardized



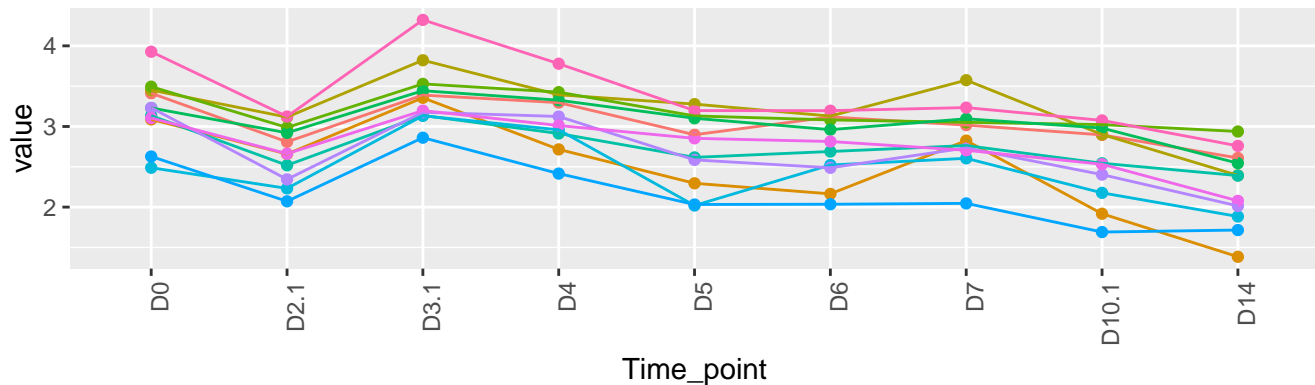
10 genes – KO-cluster-134-original



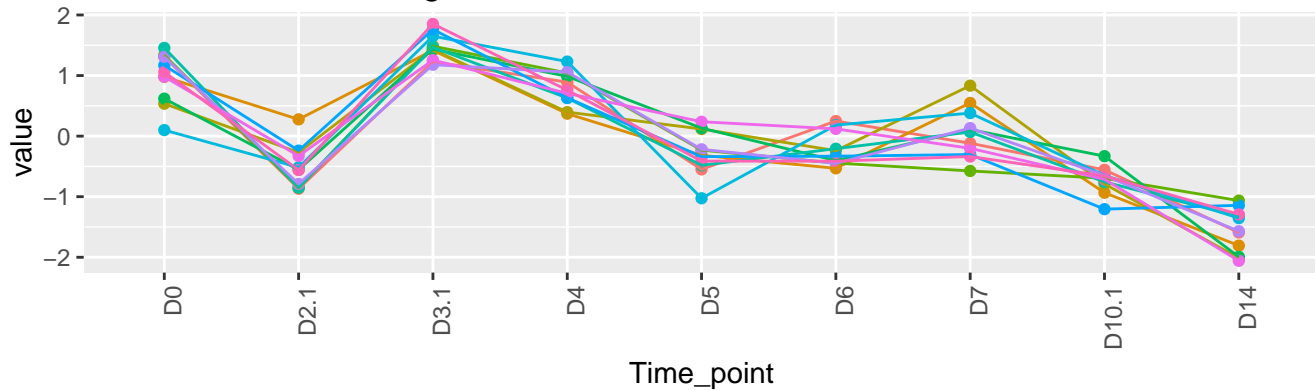
10 genes – KO-cluster-134-standardized



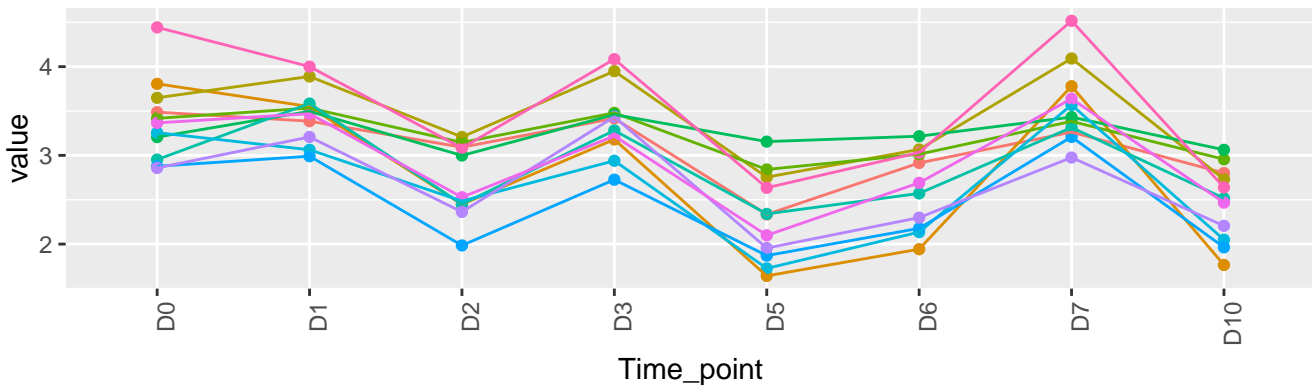
11 genes – WT-cluster-133-original



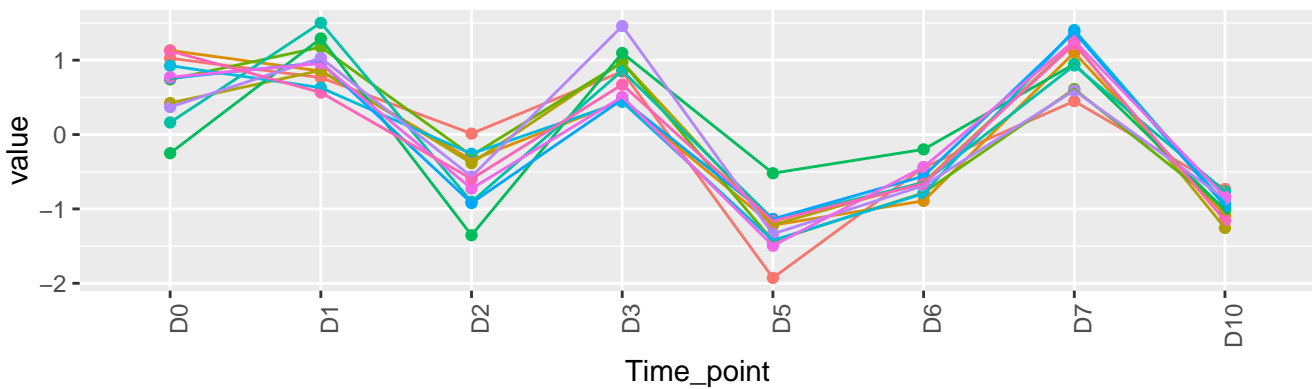
11 genes – WT-cluster-133-standardized



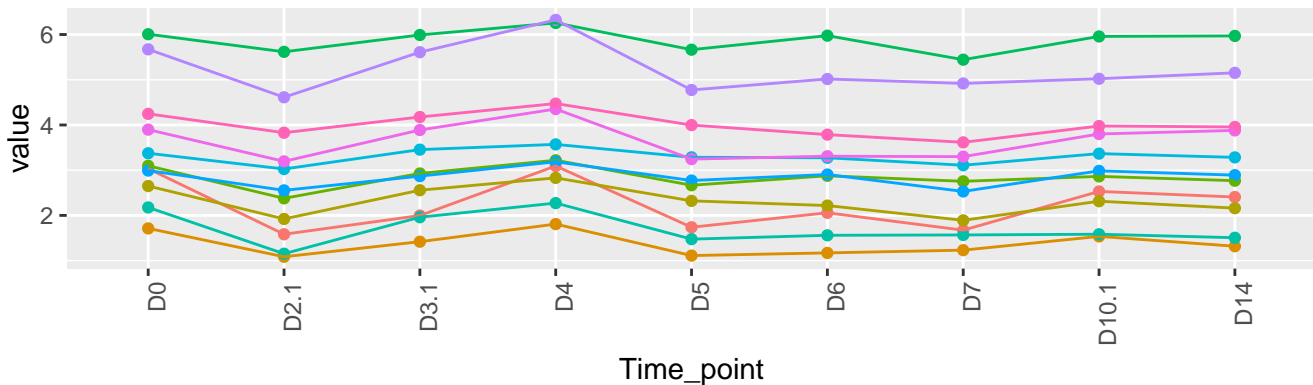
11 genes – KO-cluster-133-original



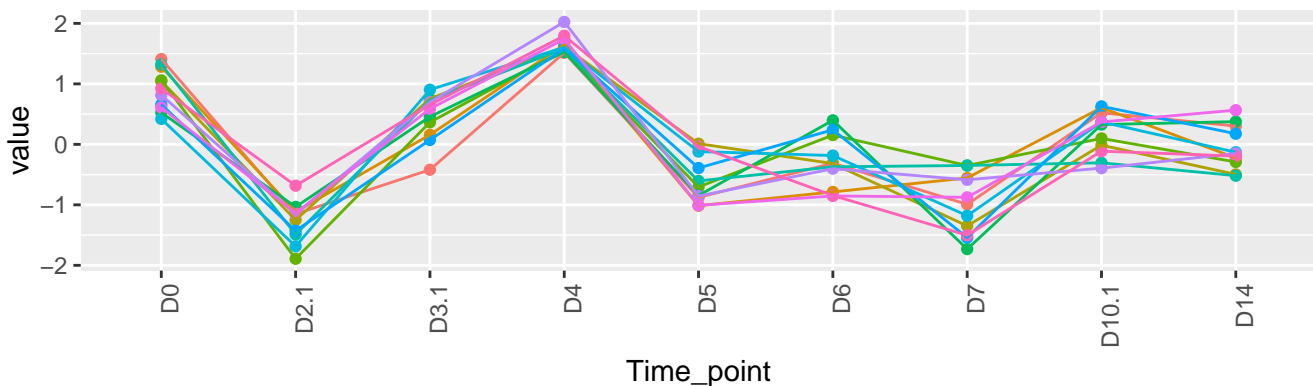
11 genes – KO-cluster-133-standardized



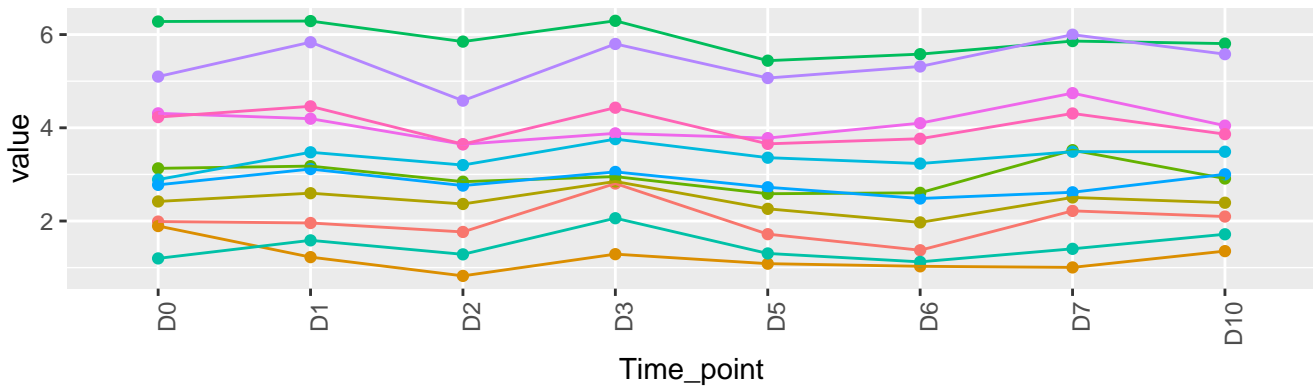
11 genes – WT-cluster-132-original



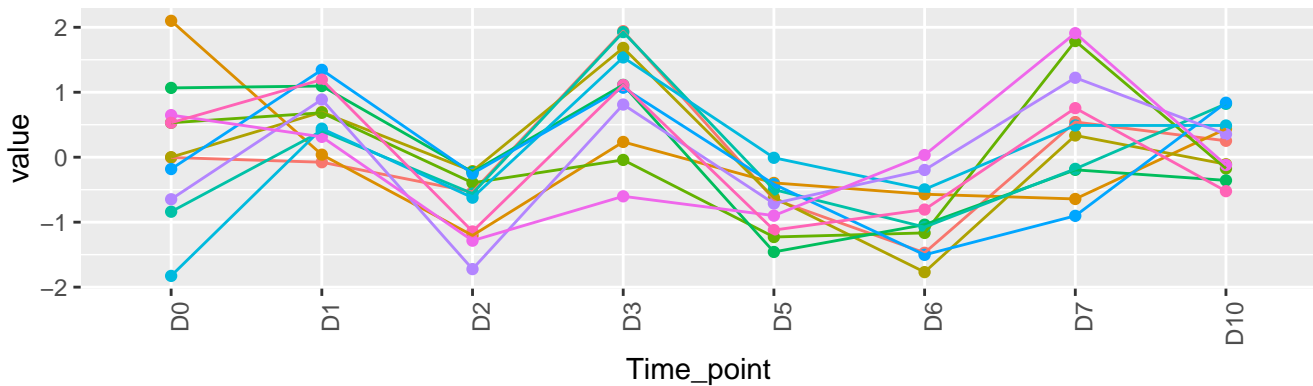
11 genes – WT-cluster-132-standardized



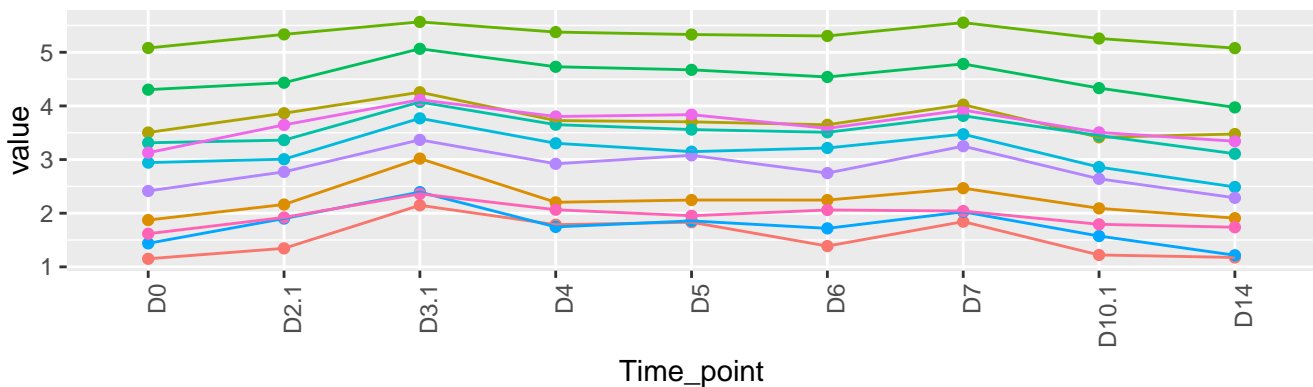
11 genes – KO-cluster-132-original



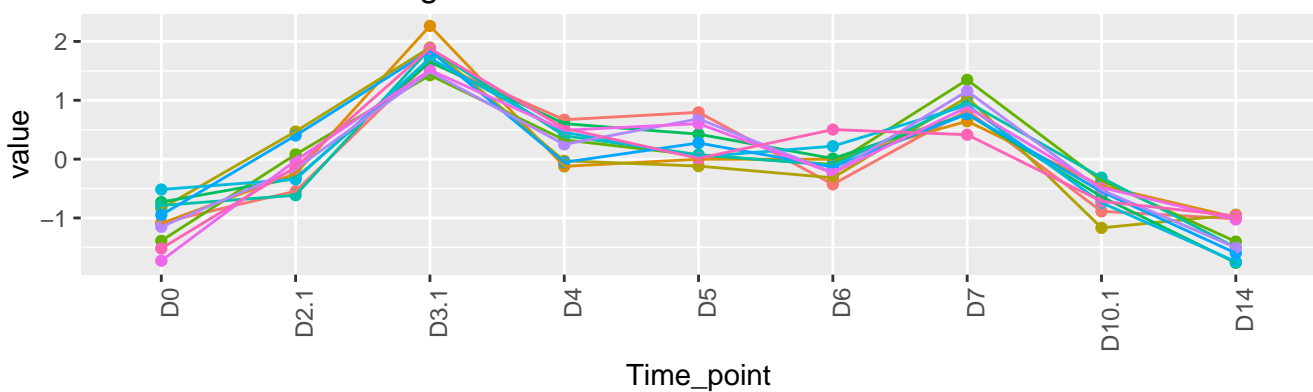
11 genes – KO-cluster-132-standardized



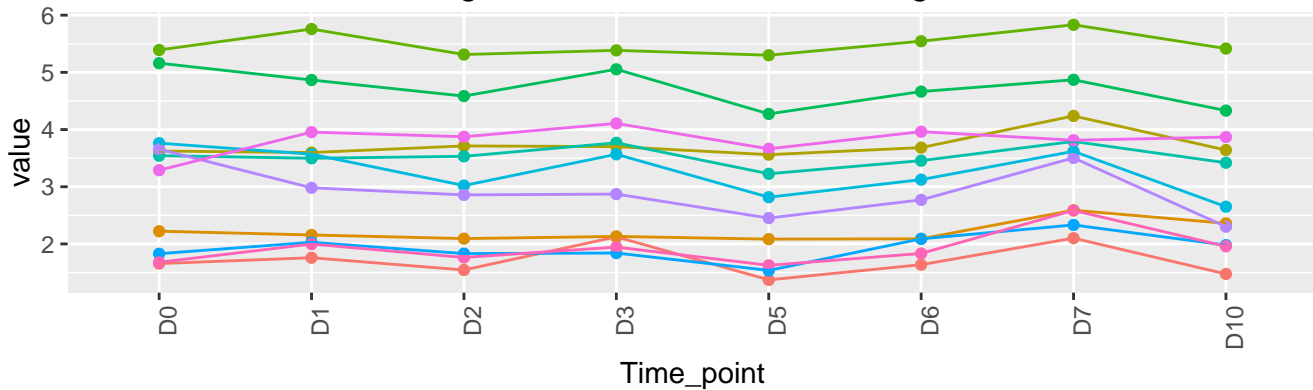
11 genes – WT-cluster-131-original



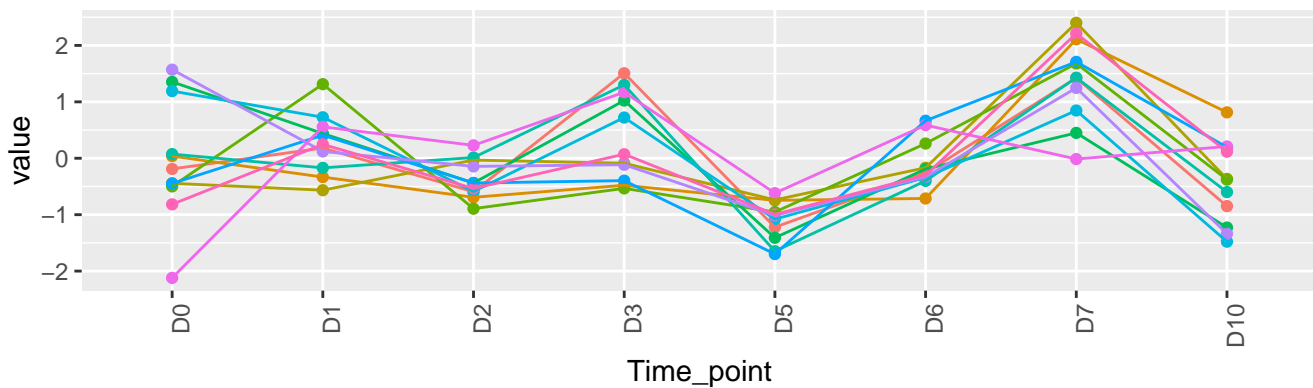
11 genes – WT-cluster-131-standardized



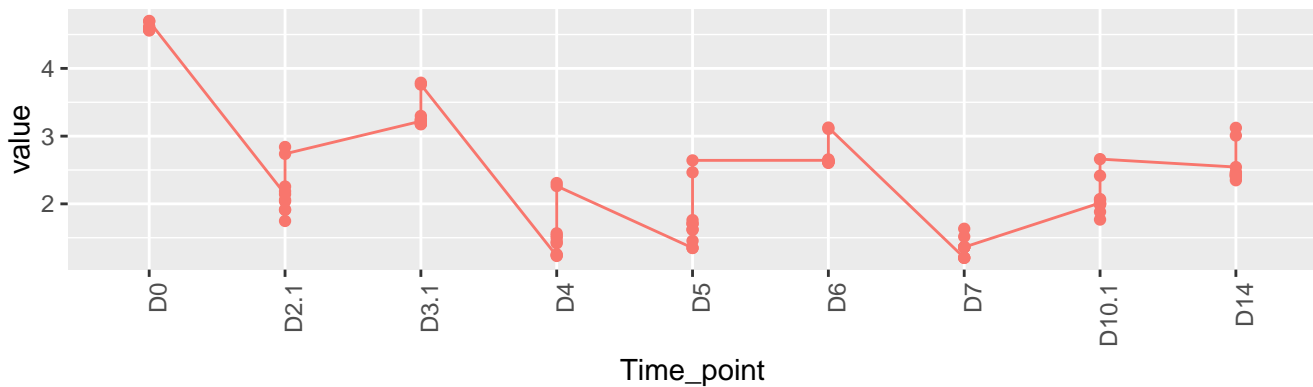
11 genes – KO-cluster-131-original



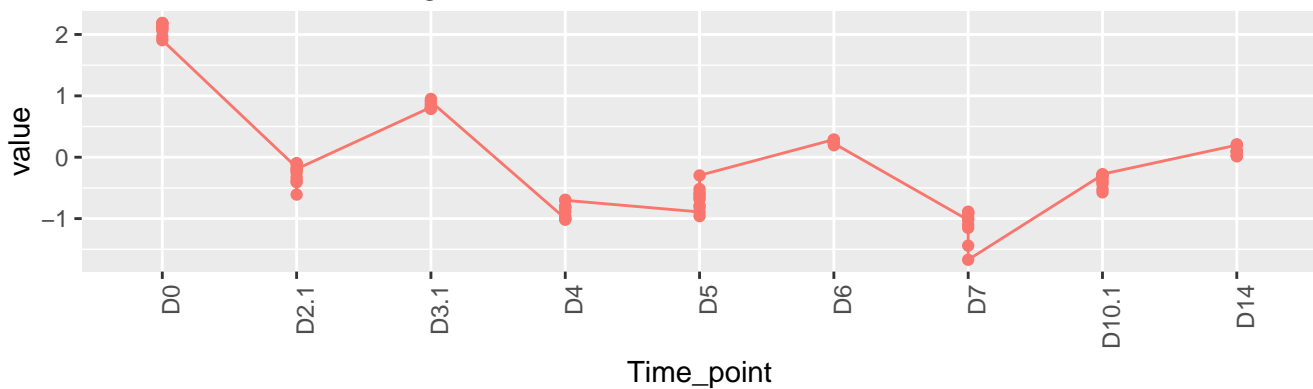
11 genes – KO-cluster-131-standardized



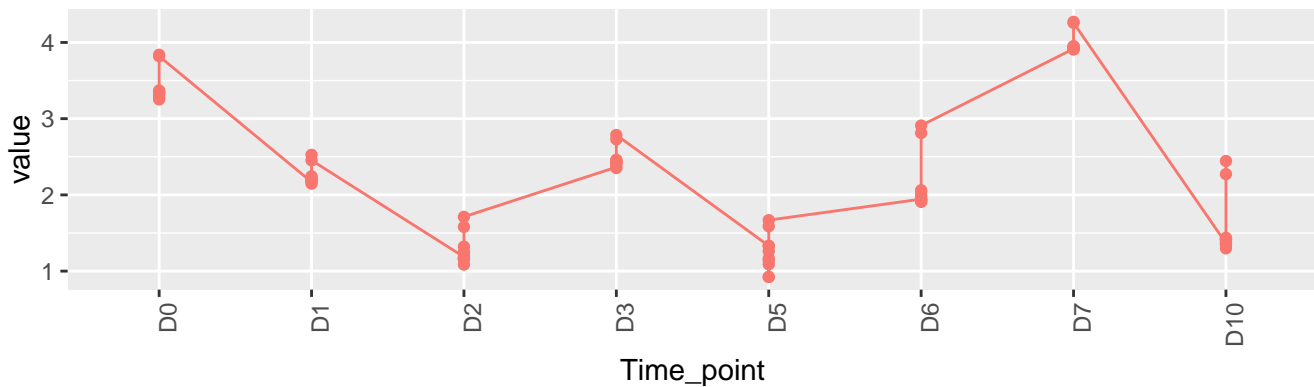
10 genes – WT-cluster-130-original



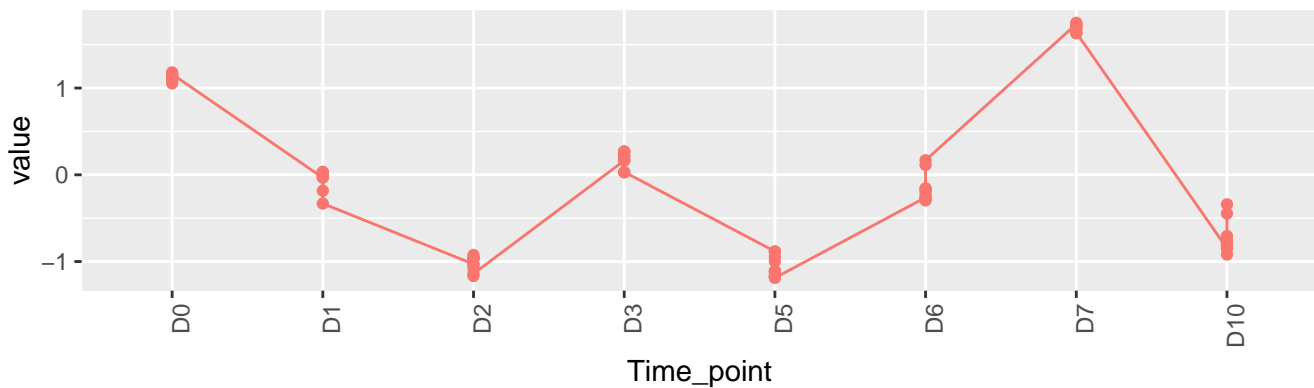
10 genes – WT-cluster-130-standardized



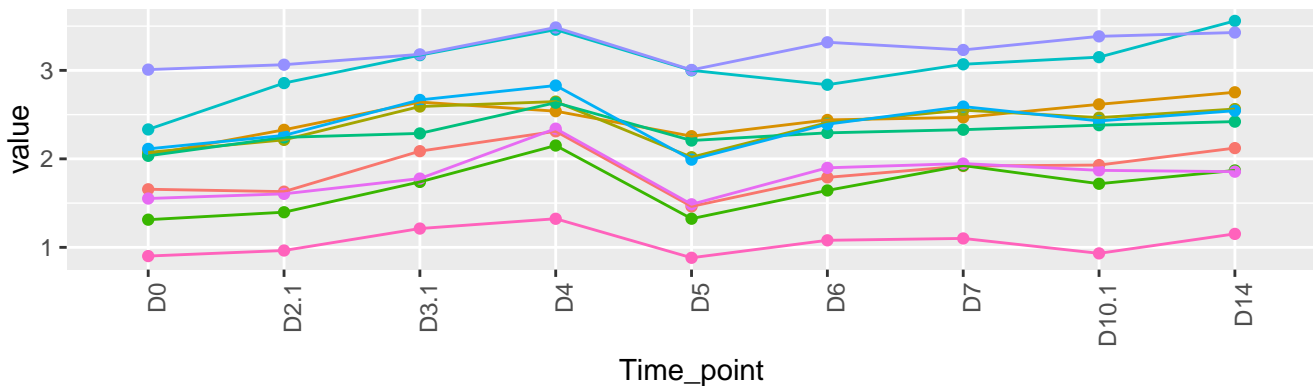
10 genes – KO-cluster-130-original



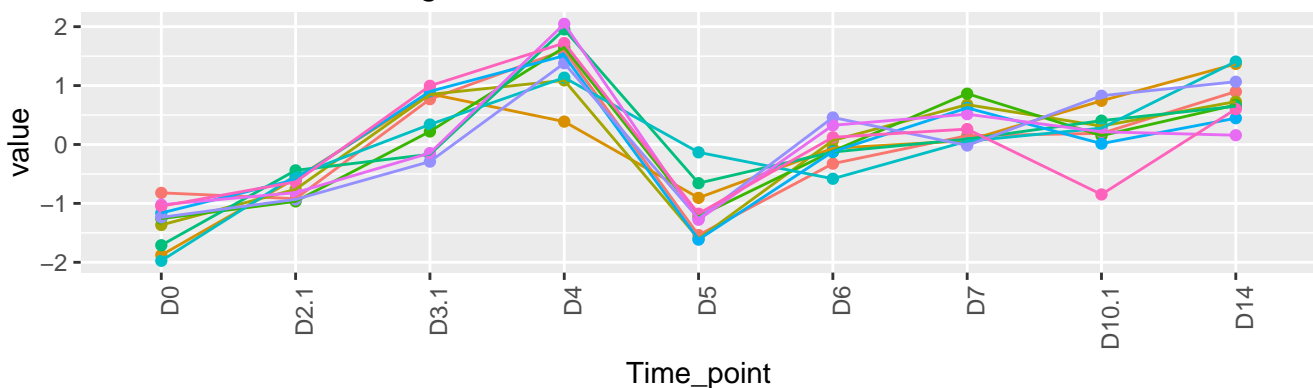
10 genes – KO-cluster-130-standardized



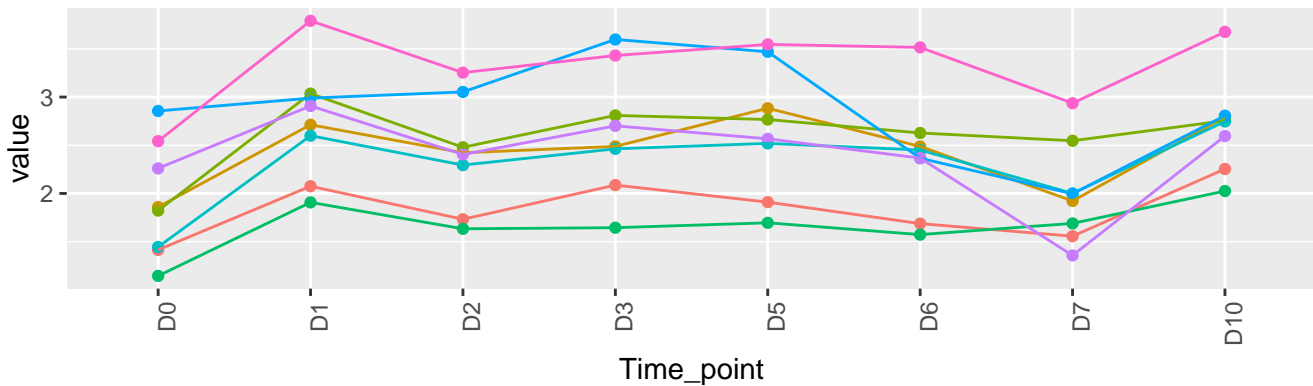
10 genes – WT-cluster-129-original



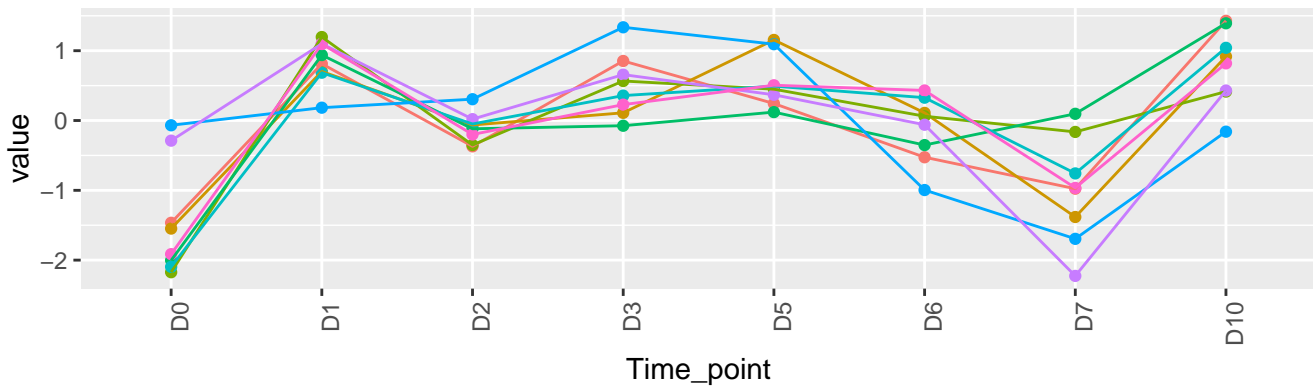
10 genes – WT-cluster-129-standardized



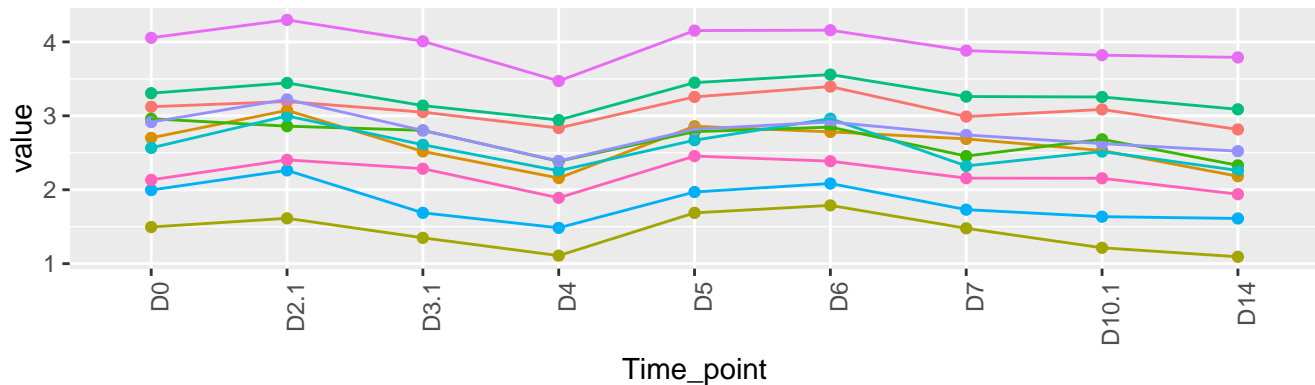
8 genes – KO-cluster-129-original



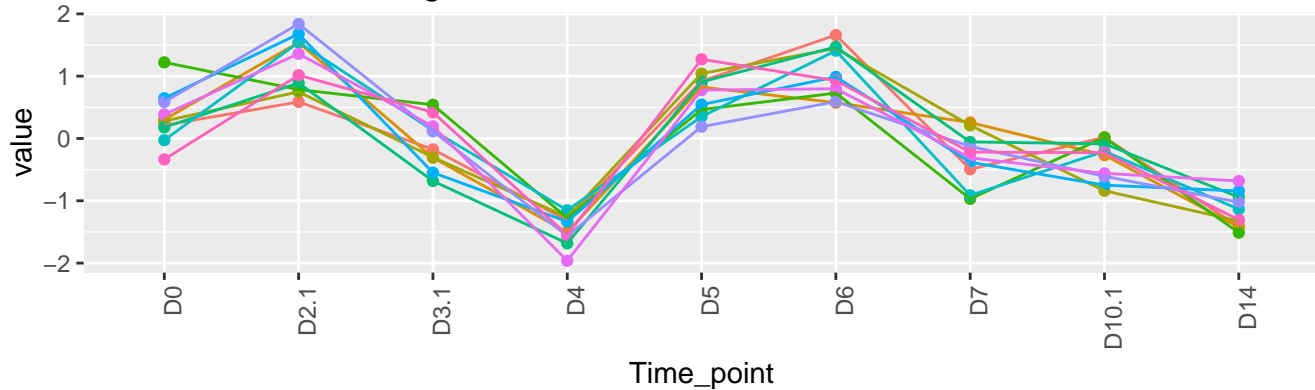
8 genes – KO-cluster-129-standardized



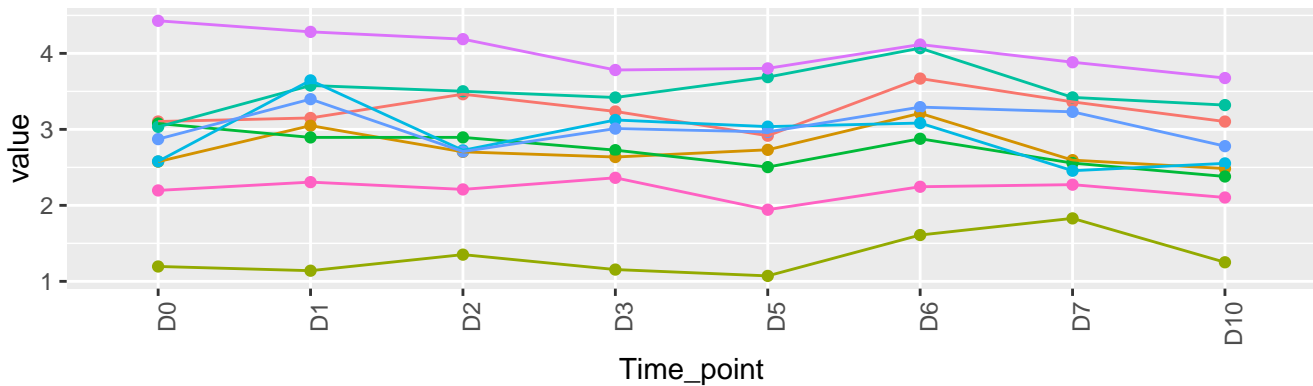
10 genes – WT-cluster-128-original



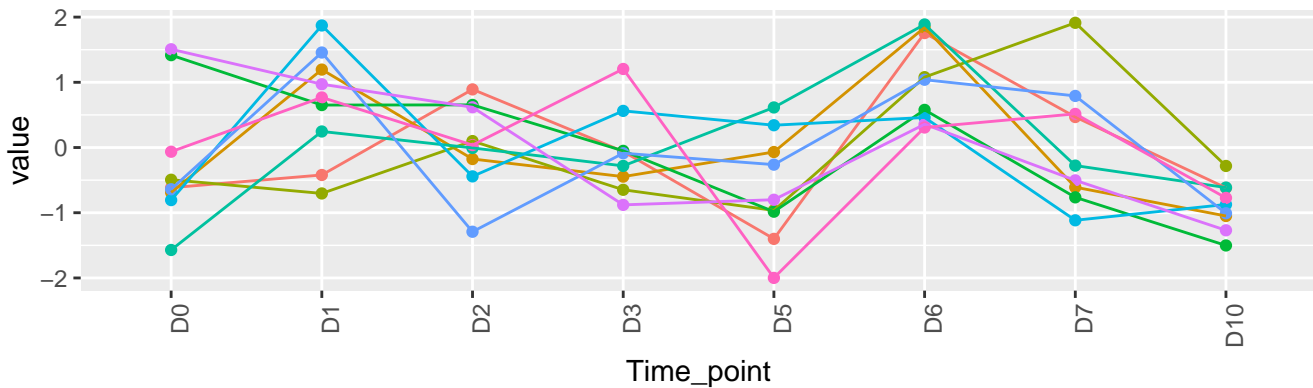
10 genes – WT-cluster-128-standardized



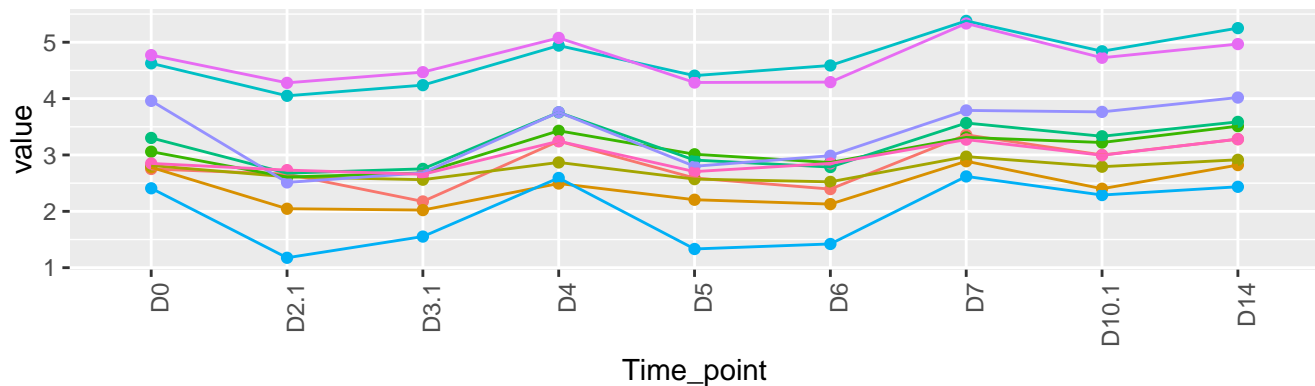
9 genes – KO-cluster-128-original



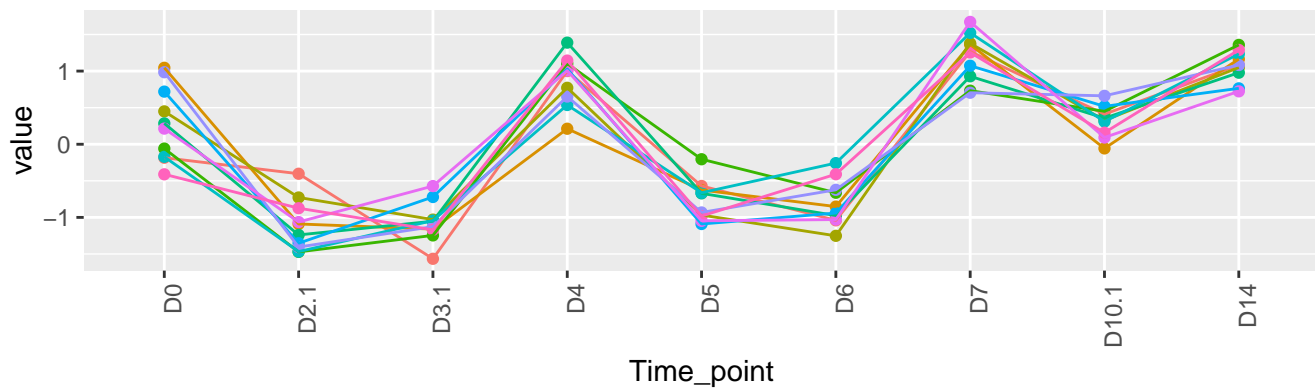
9 genes – KO-cluster-128-standardized



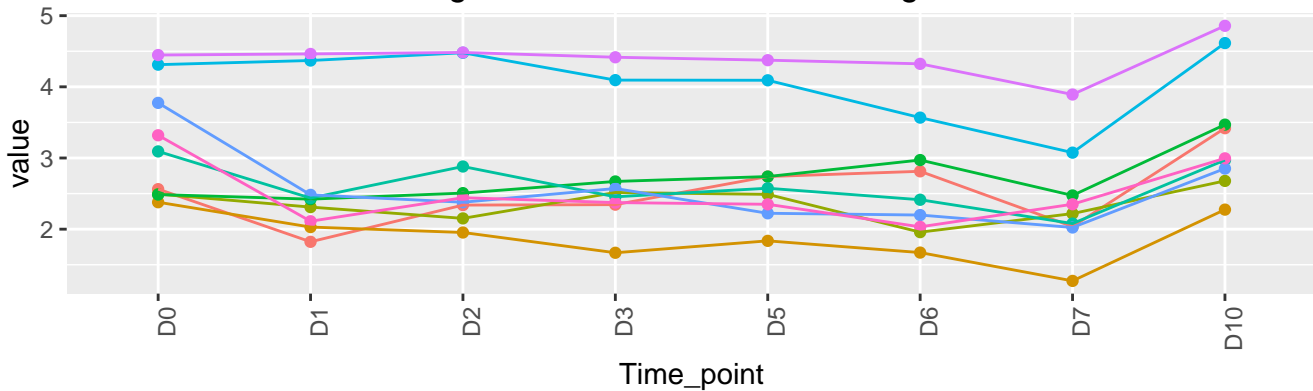
10 genes – WT-cluster-127-original



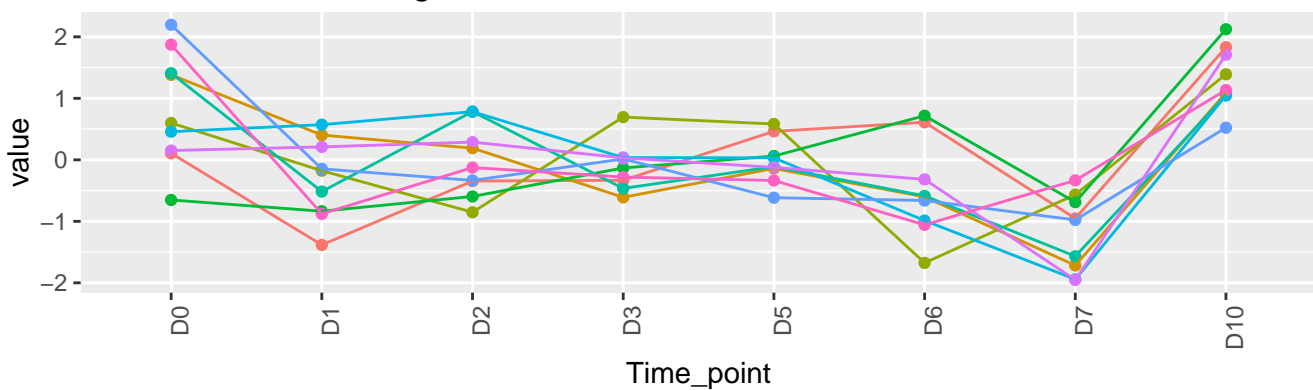
10 genes – WT-cluster-127-standardized



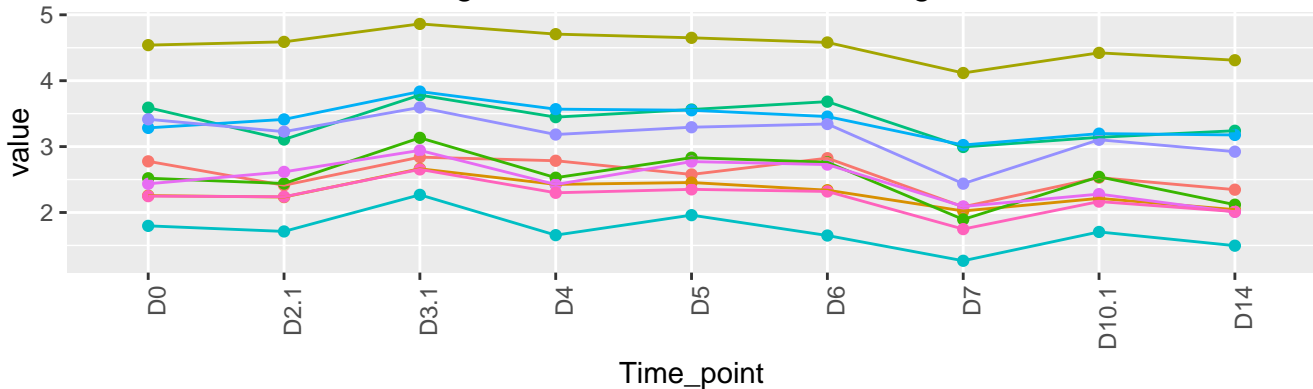
9 genes – KO-cluster-127-original



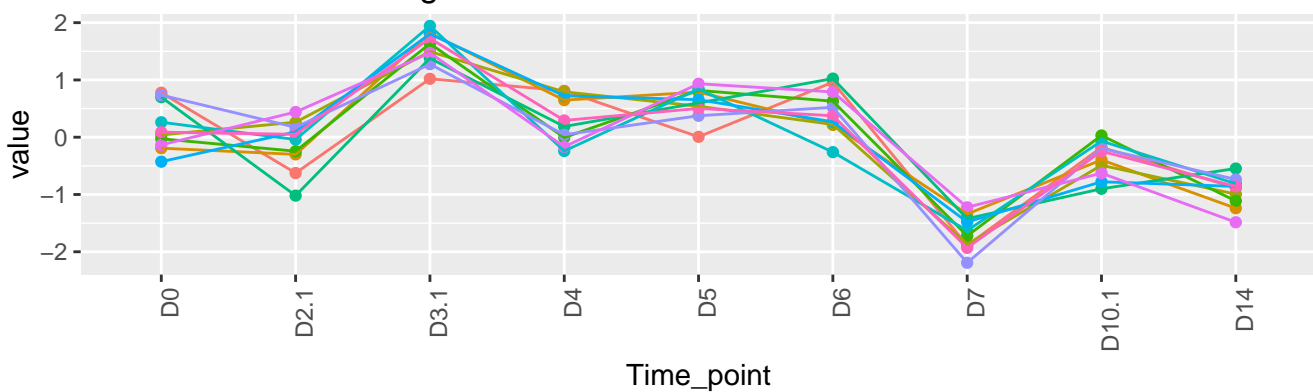
9 genes – KO-cluster-127-standardized



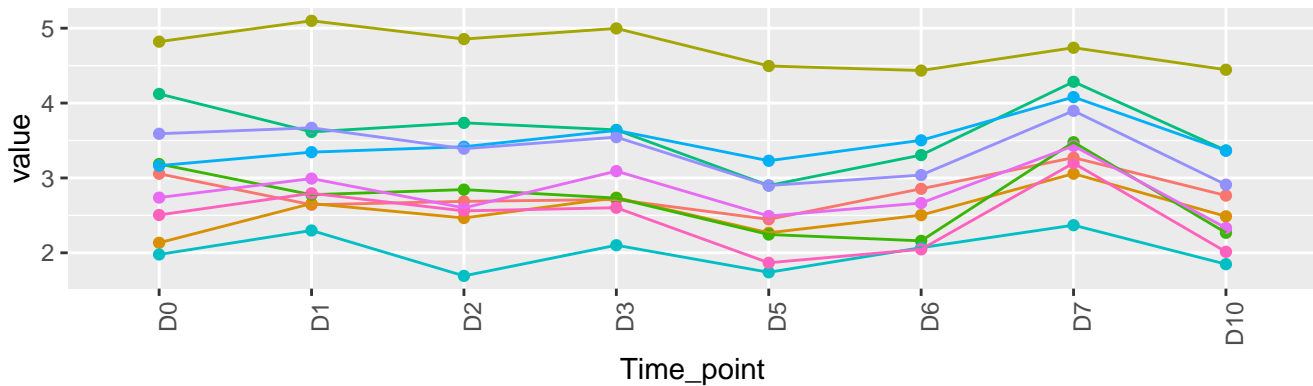
10 genes – WT-cluster-126-original



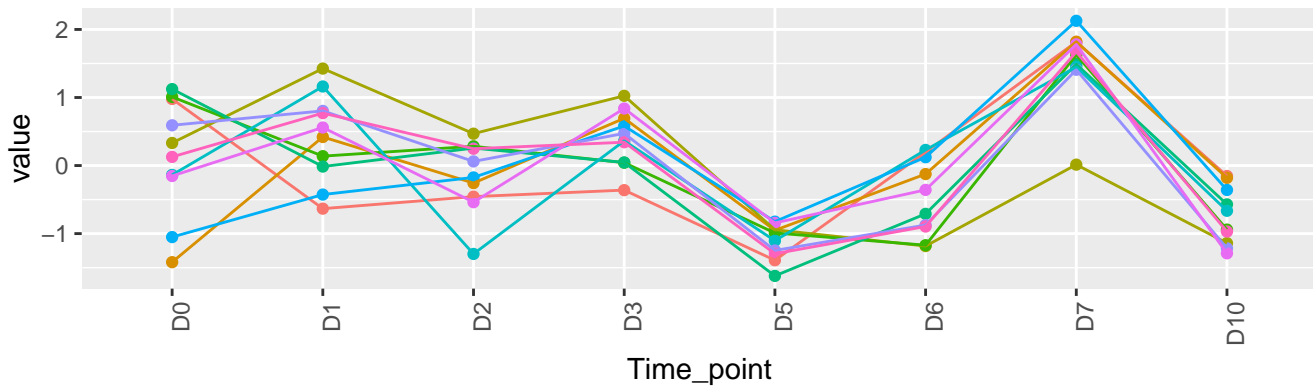
10 genes – WT-cluster-126-standardized



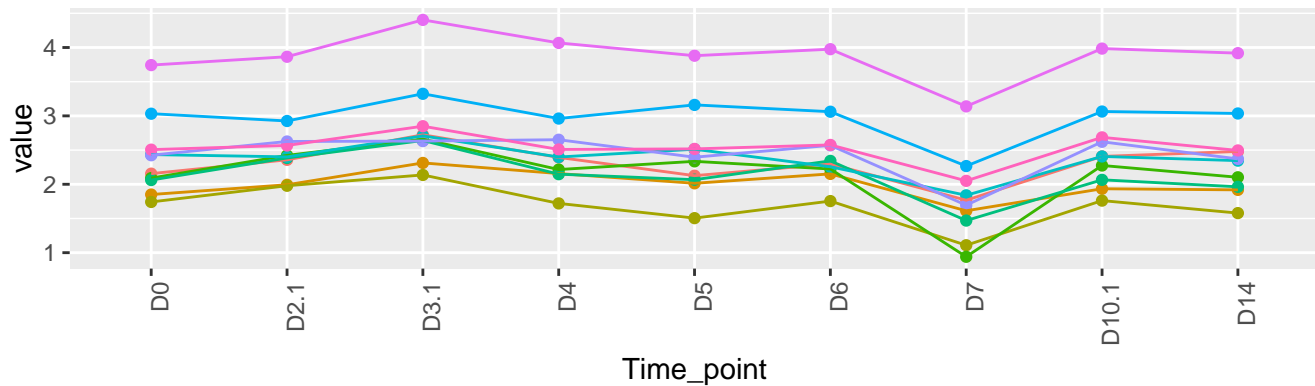
10 genes – KO-cluster-126-original



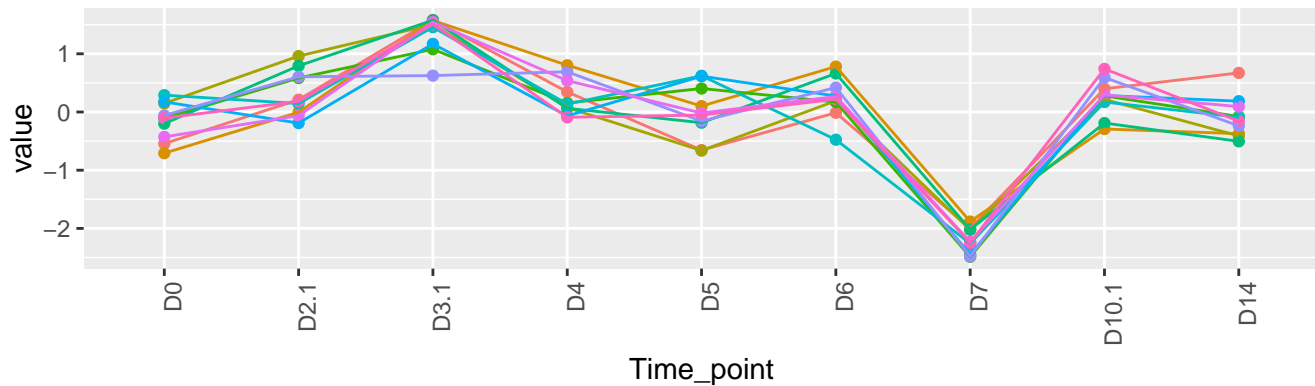
10 genes – KO-cluster-126-standardized



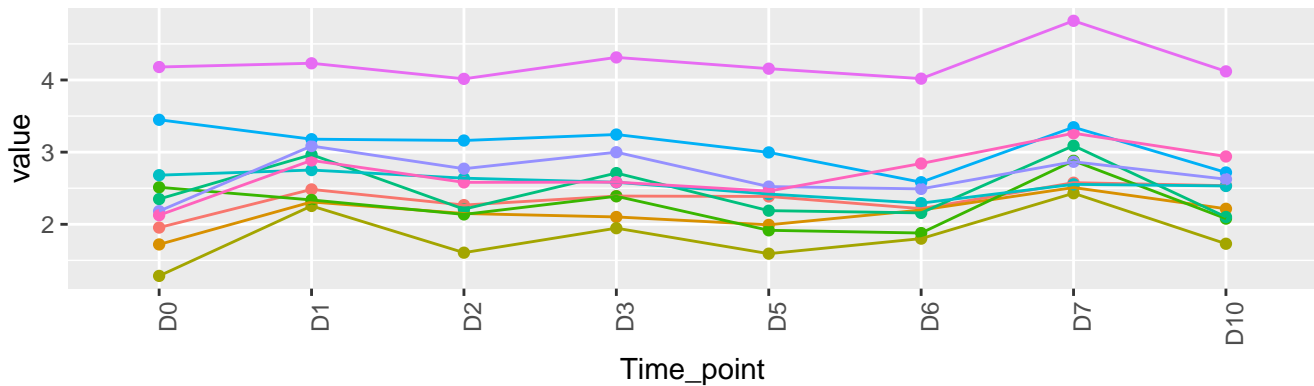
10 genes – WT-cluster-125-original



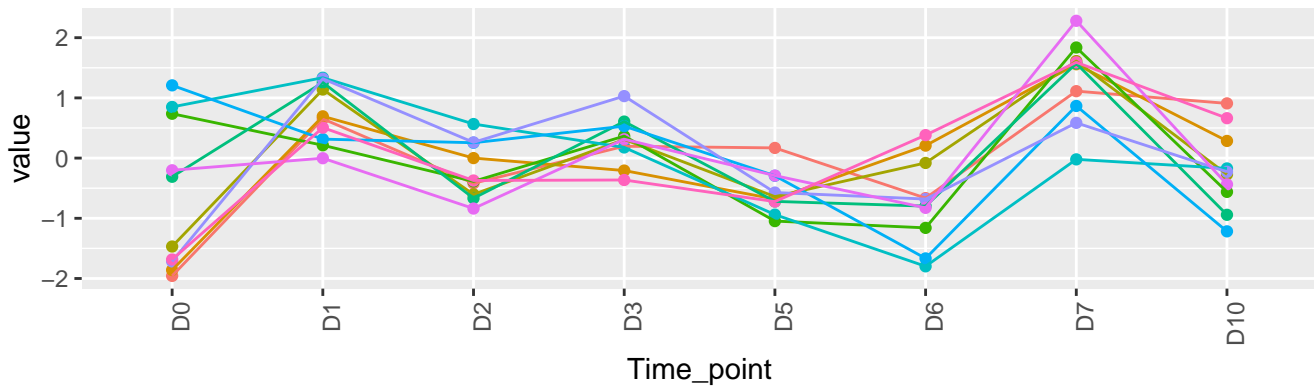
10 genes – WT-cluster-125-standardized



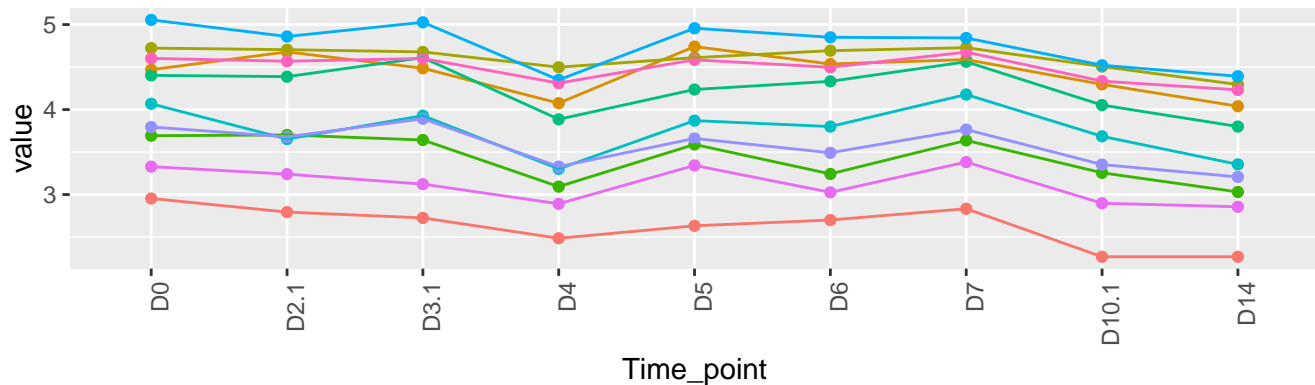
10 genes – KO-cluster-125-original



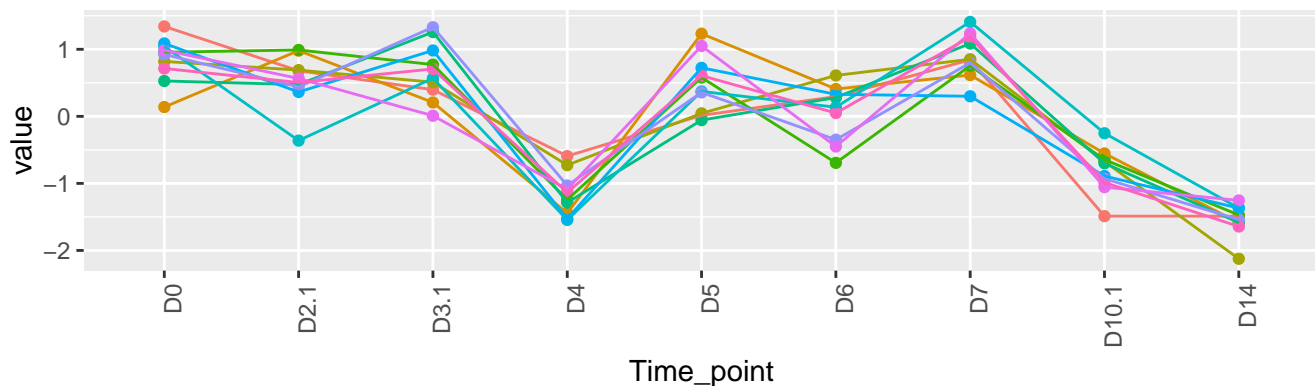
10 genes – KO-cluster-125-standardized



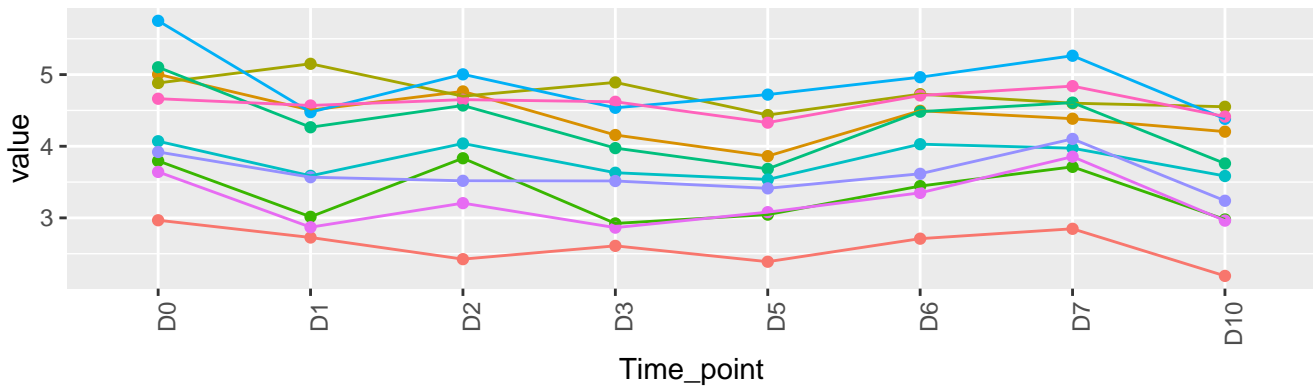
10 genes – WT-cluster-124-original



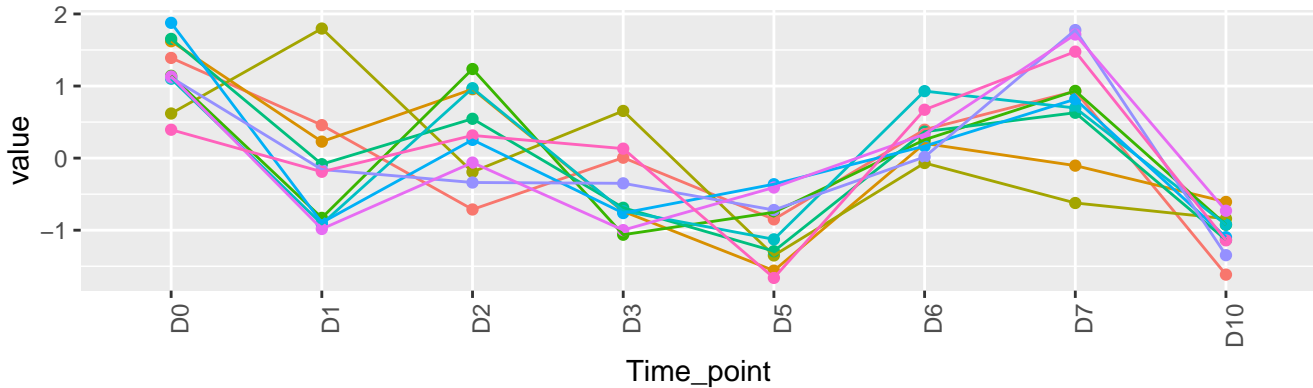
10 genes – WT-cluster-124-standardized



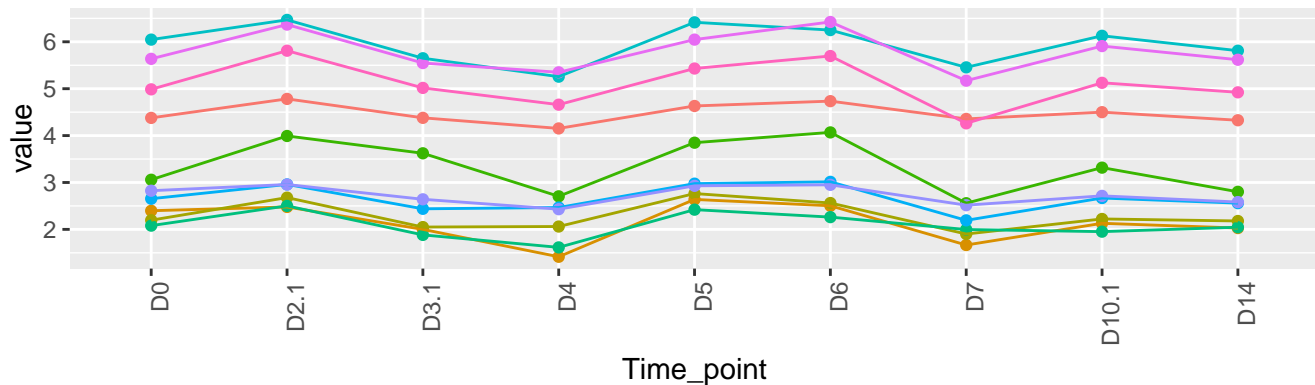
10 genes – KO-cluster-124-original



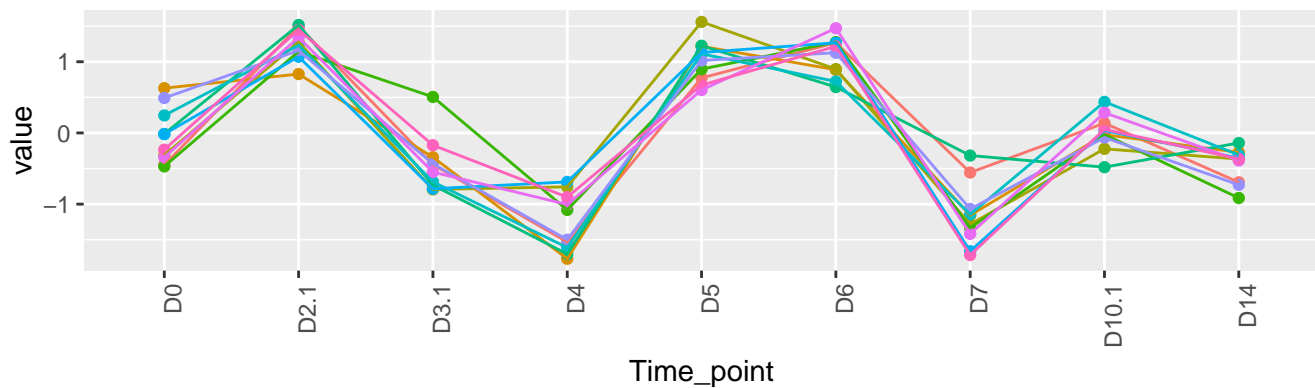
10 genes – KO-cluster-124-standardized



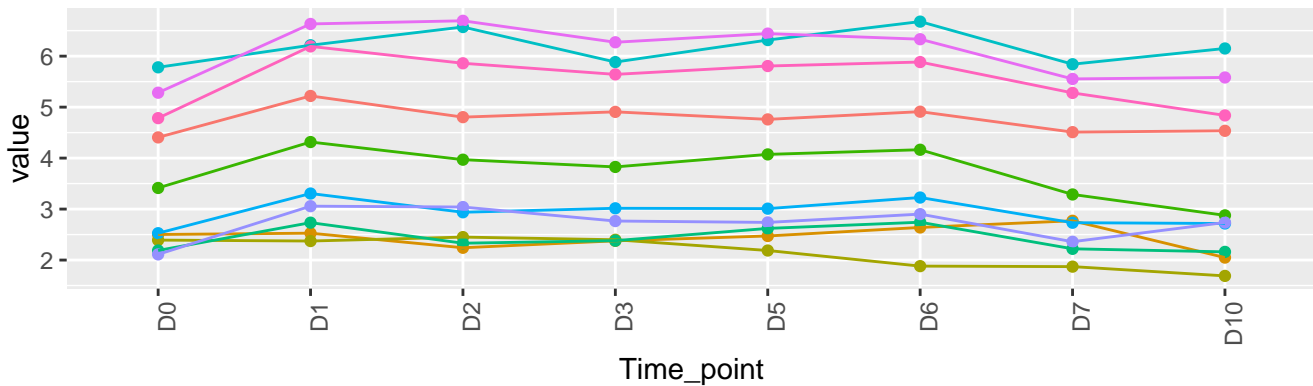
10 genes – WT-cluster-123-original



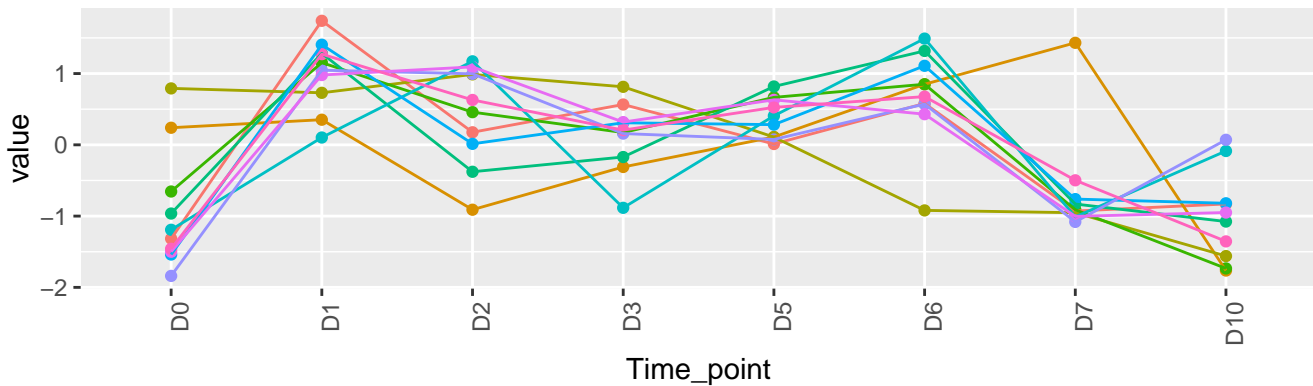
10 genes – WT-cluster-123-standardized



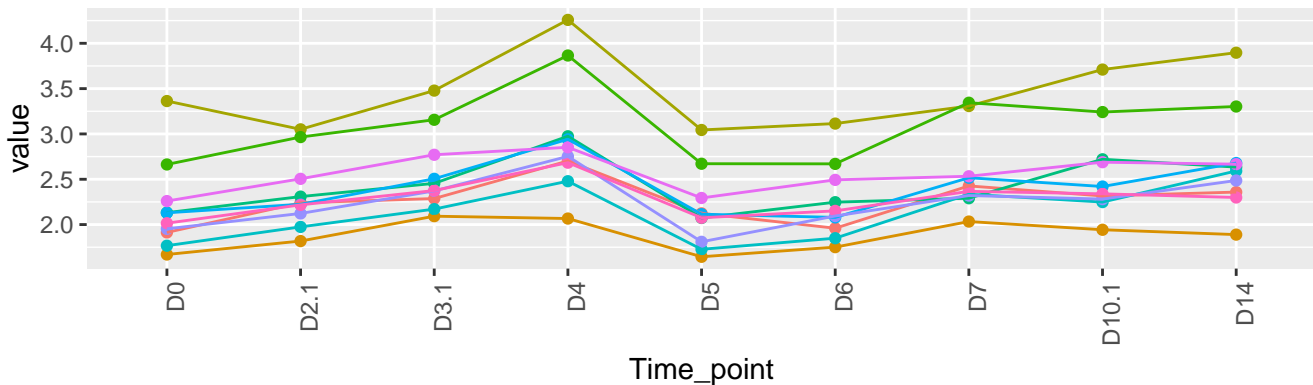
10 genes – KO-cluster-123-original



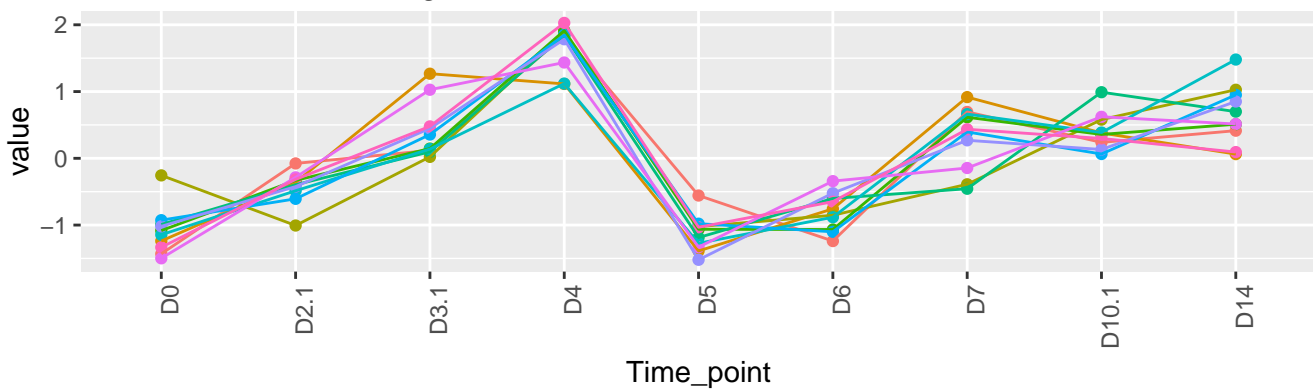
10 genes – KO-cluster-123-standardized



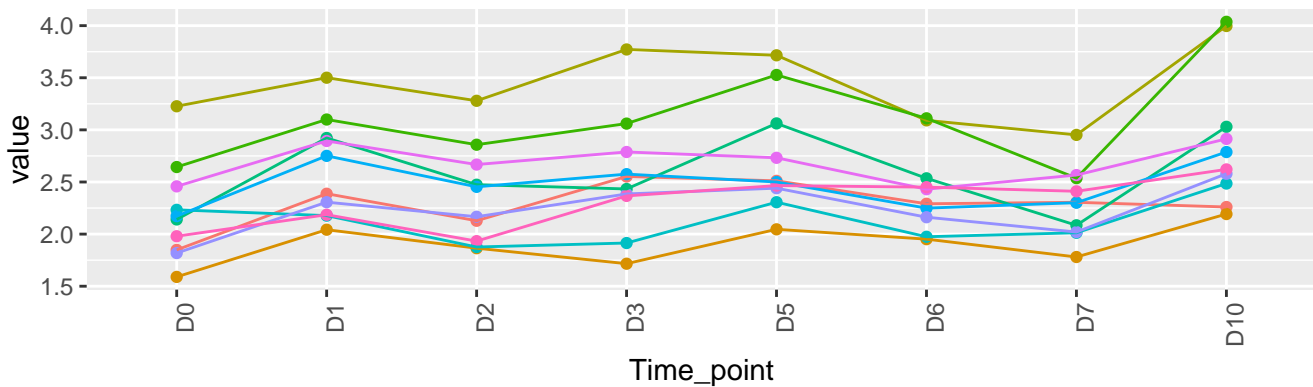
10 genes – WT-cluster-122-original



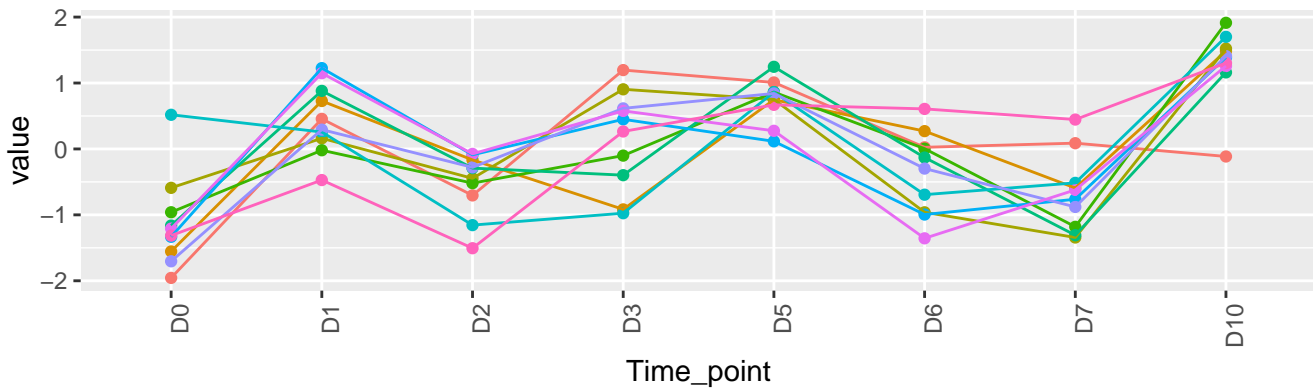
10 genes – WT-cluster-122-standardized



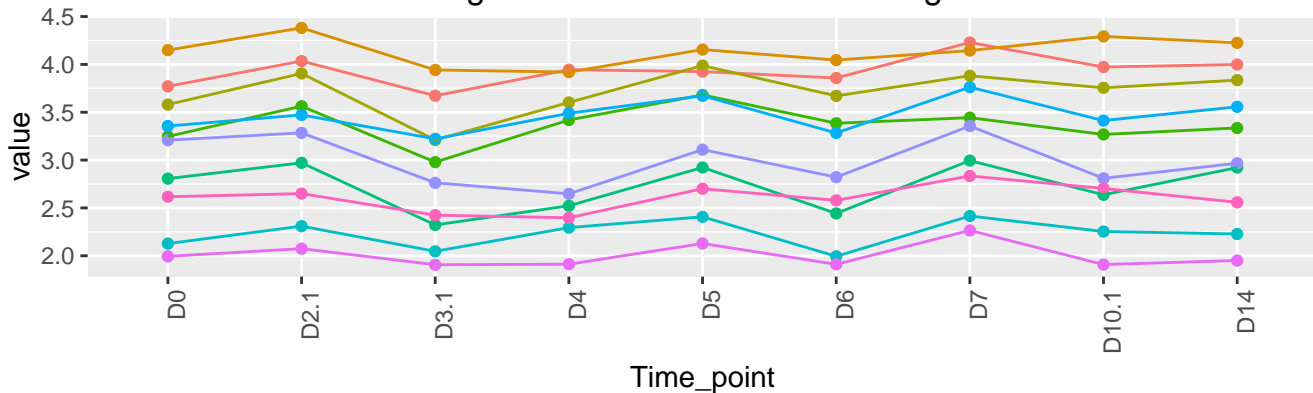
10 genes – KO-cluster-122-original



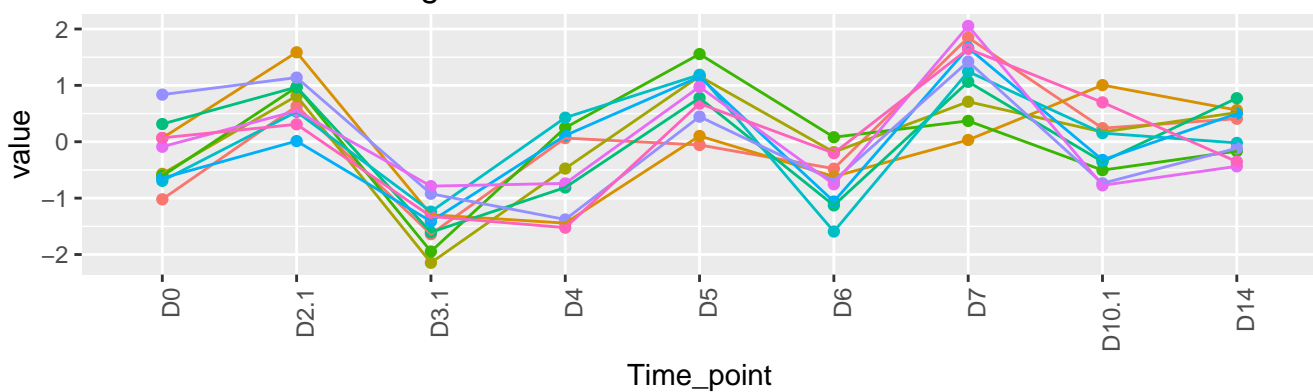
10 genes – KO-cluster-122-standardized



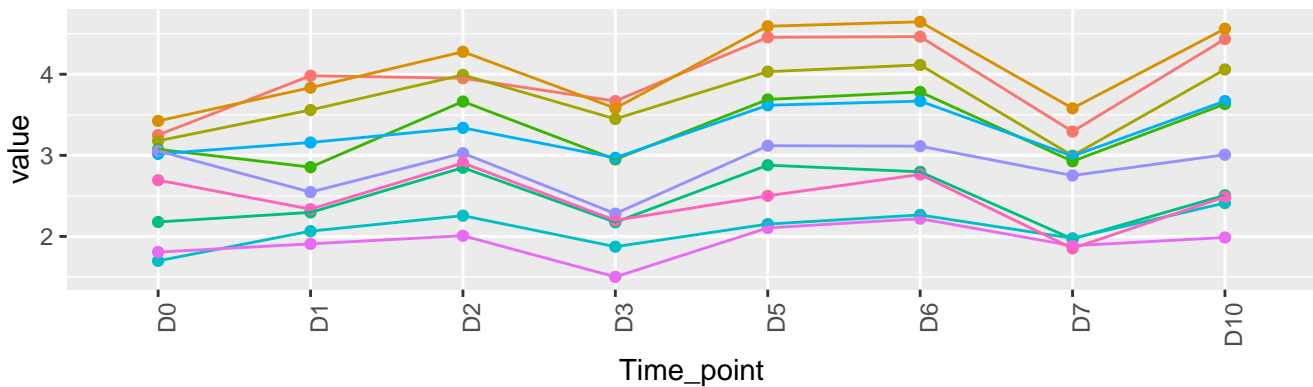
10 genes – WT-cluster-121-original



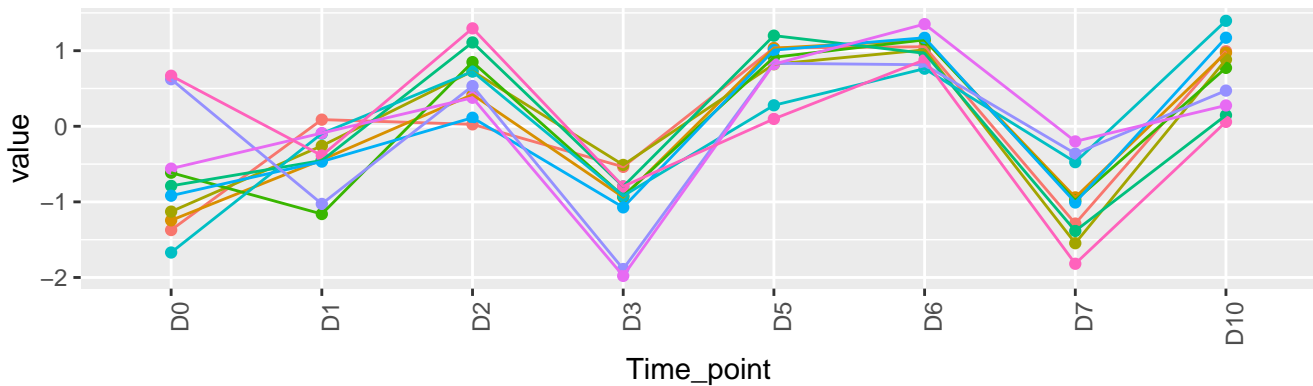
10 genes – WT-cluster-121-standardized



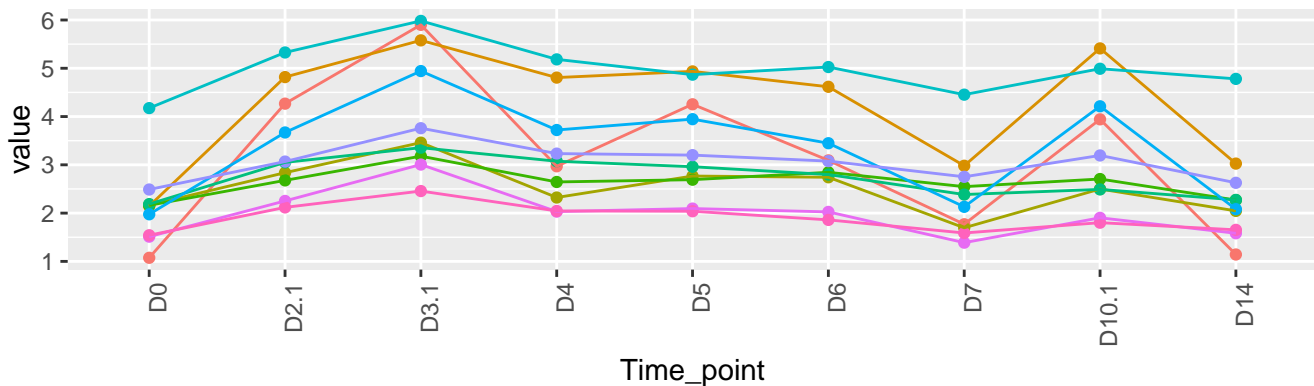
10 genes – KO-cluster-121-original



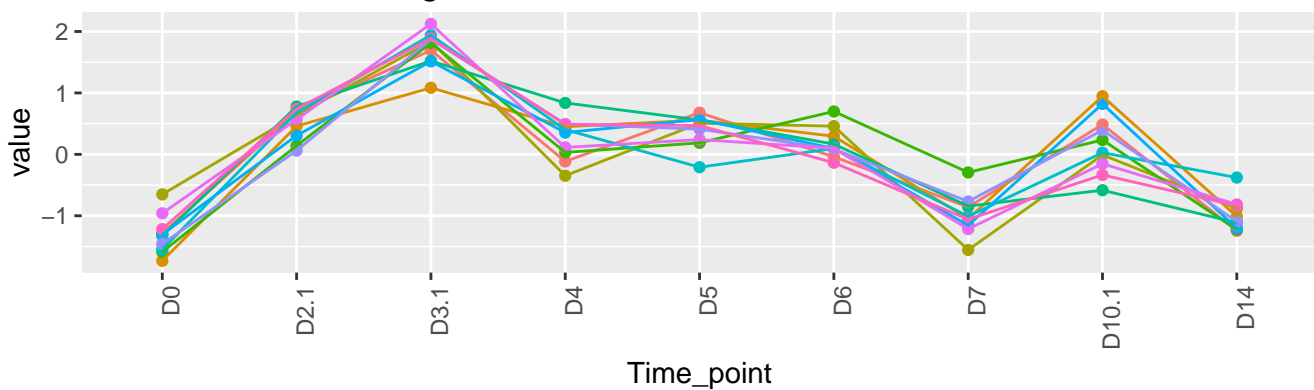
10 genes – KO-cluster-121-standardized



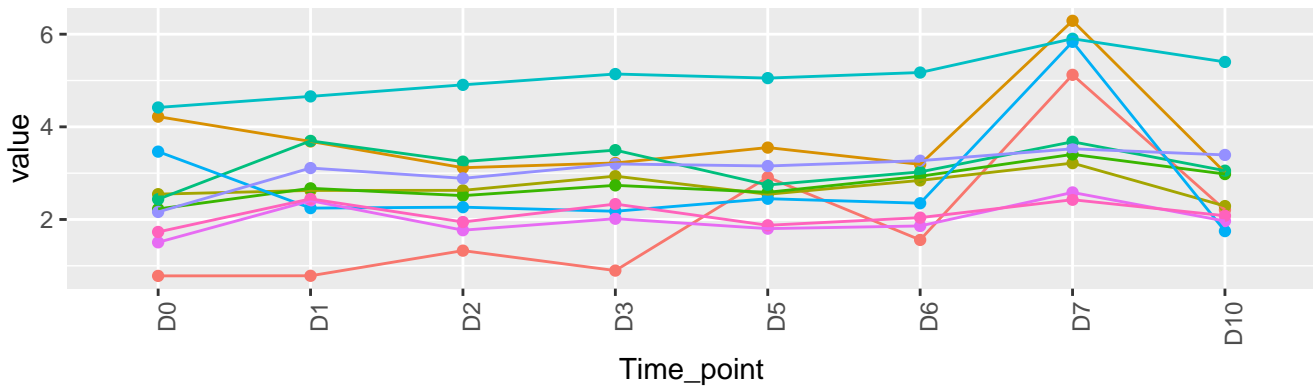
10 genes – WT-cluster-120-original



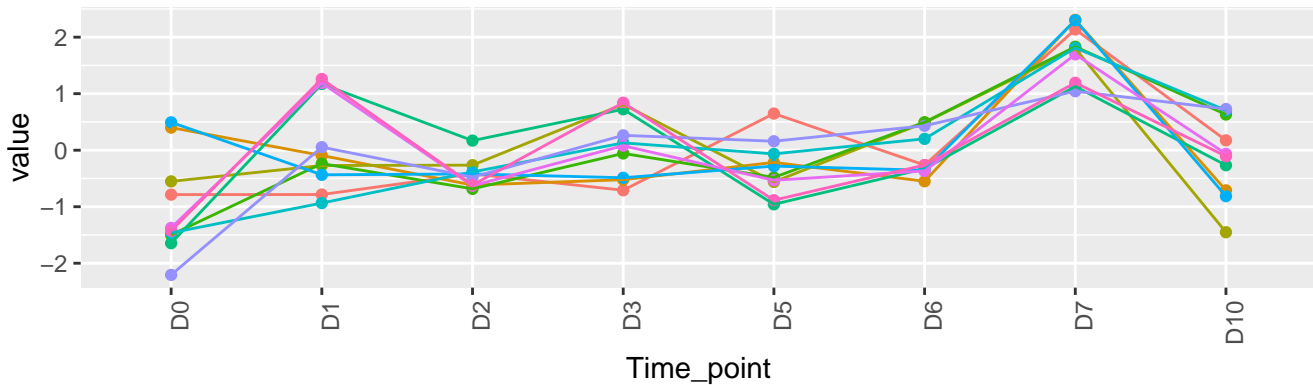
10 genes – WT-cluster-120-standardized



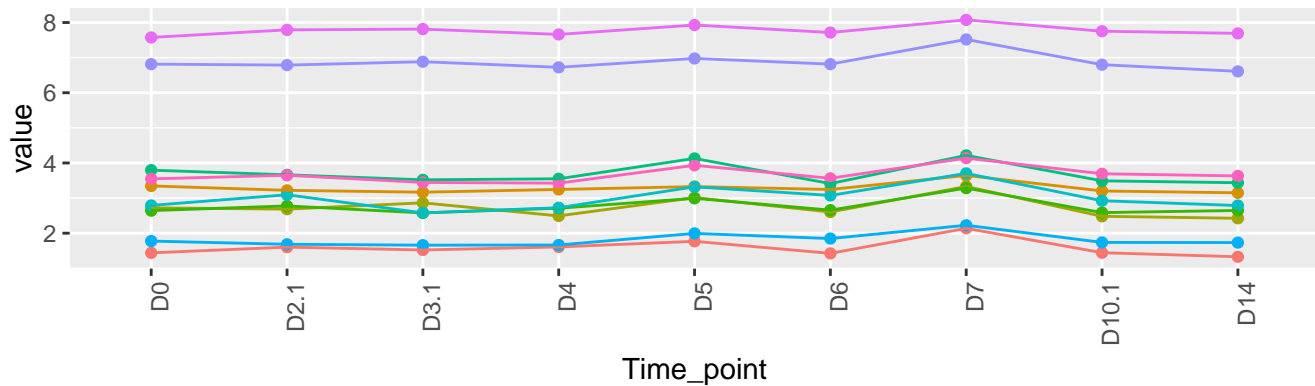
10 genes – KO-cluster-120-original



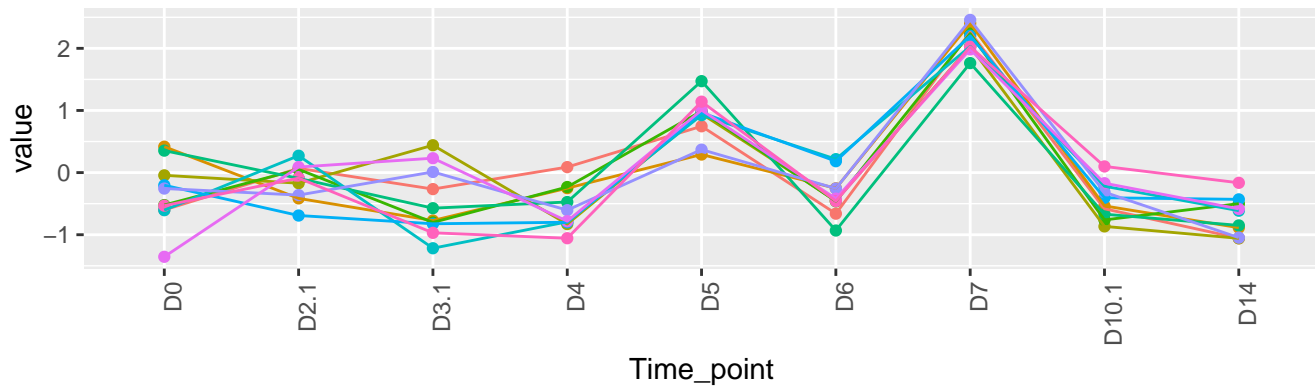
10 genes – KO-cluster-120-standardized



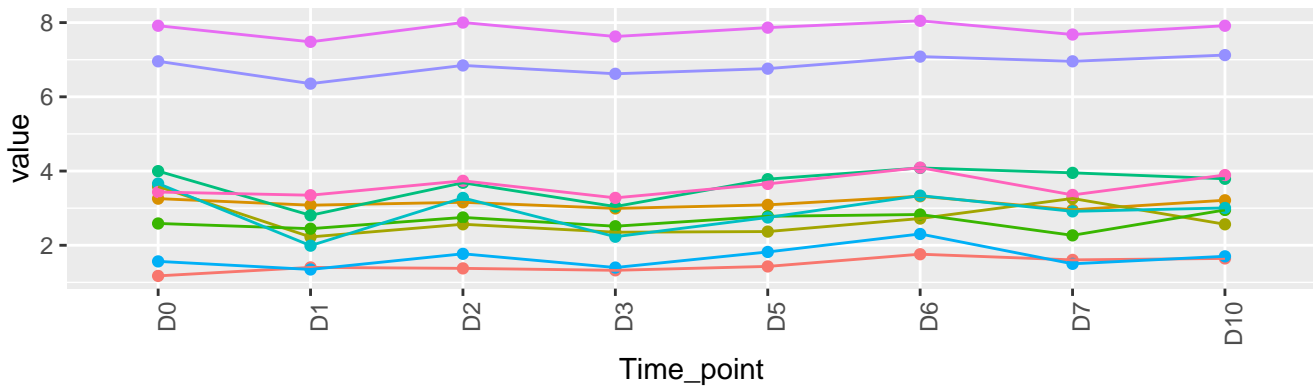
10 genes – WT-cluster-119-original



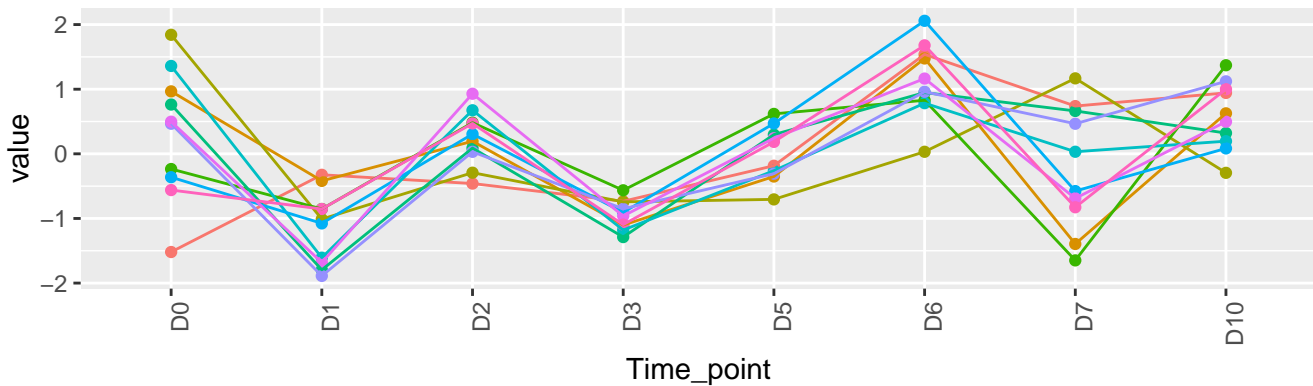
10 genes – WT-cluster-119-standardized



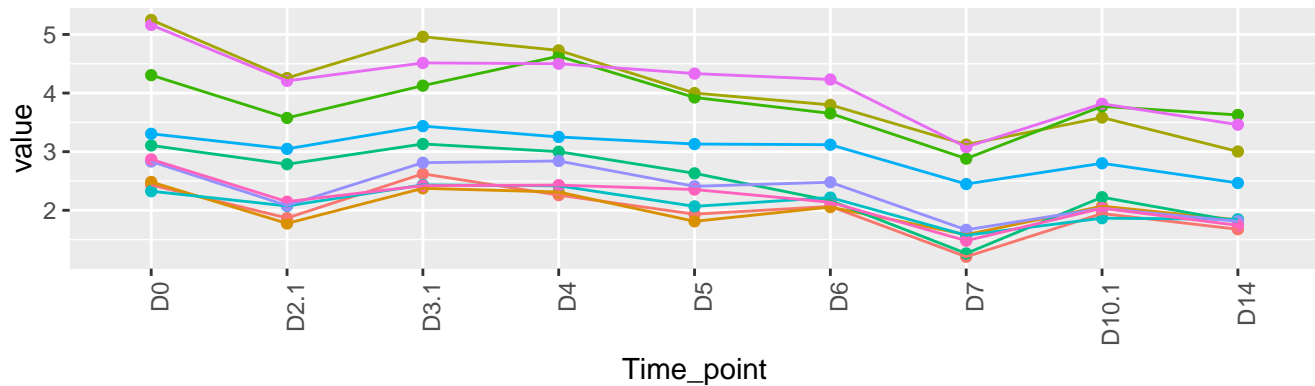
10 genes – KO-cluster-119-original



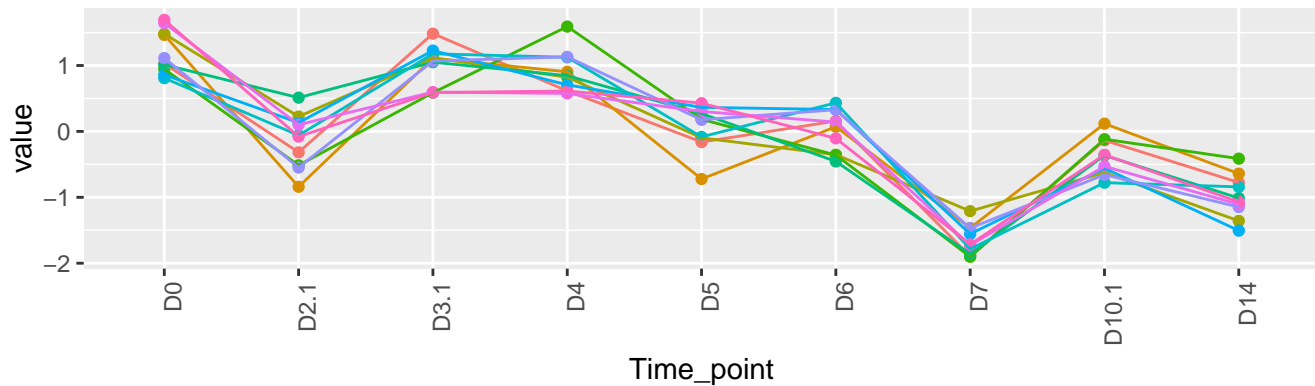
10 genes – KO-cluster-119-standardized



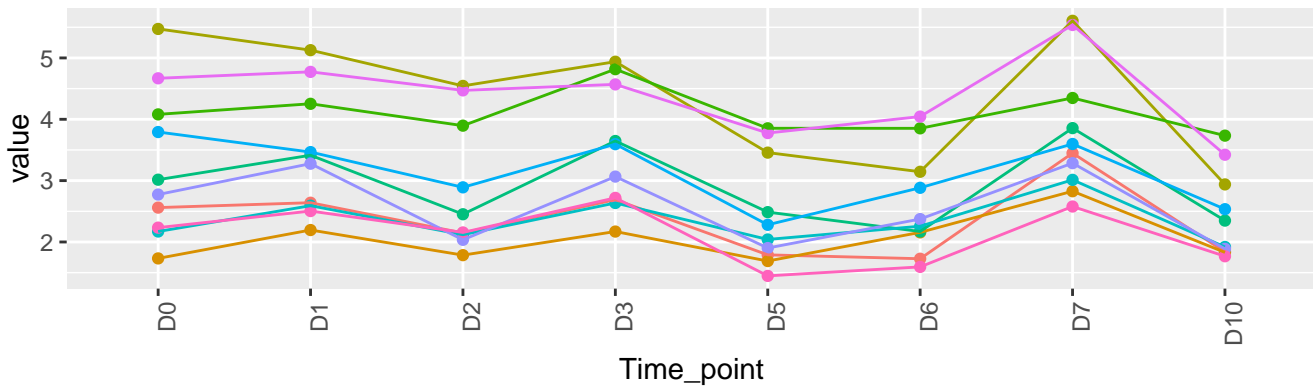
10 genes – WT-cluster-118-original



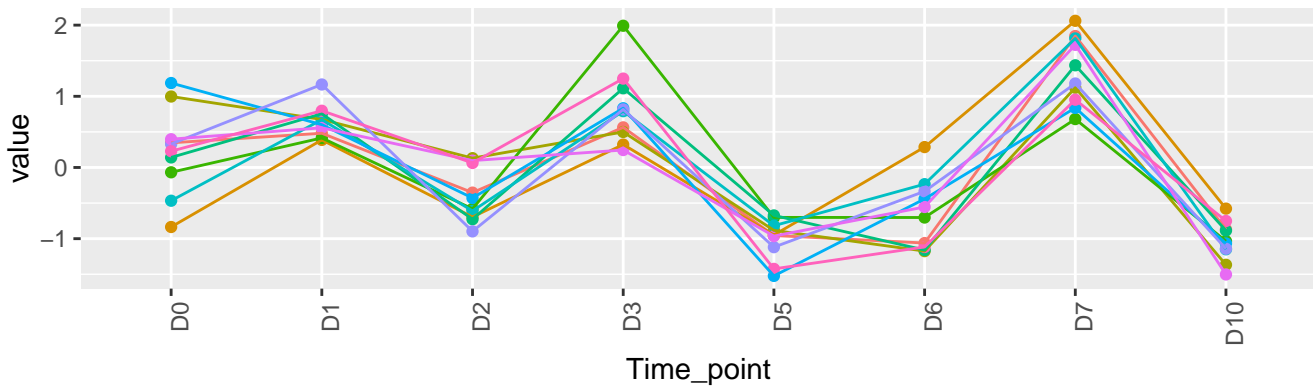
10 genes – WT-cluster-118-standardized



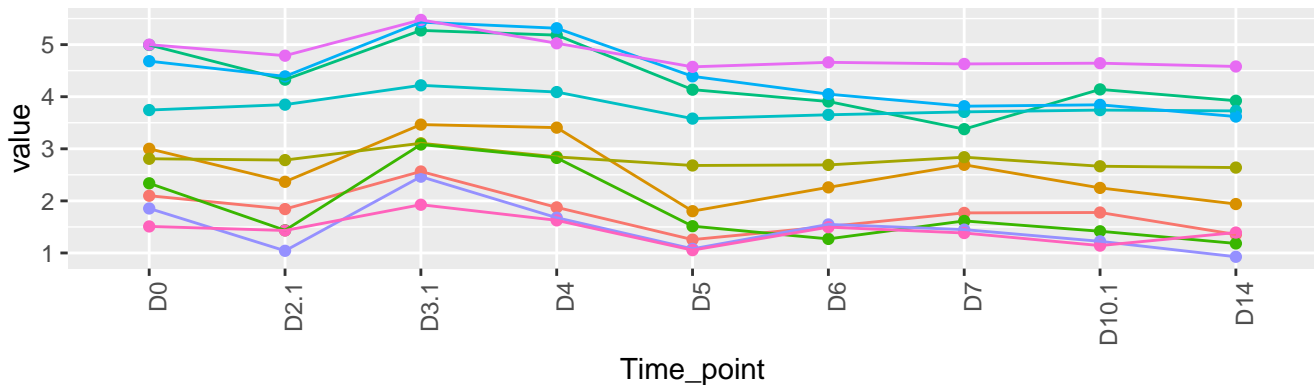
10 genes – KO-cluster-118-original



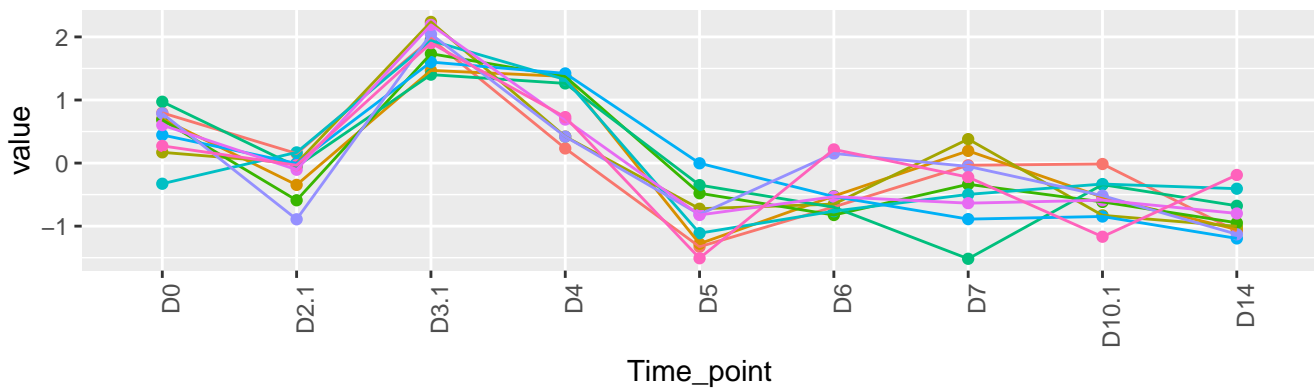
10 genes – KO-cluster-118-standardized



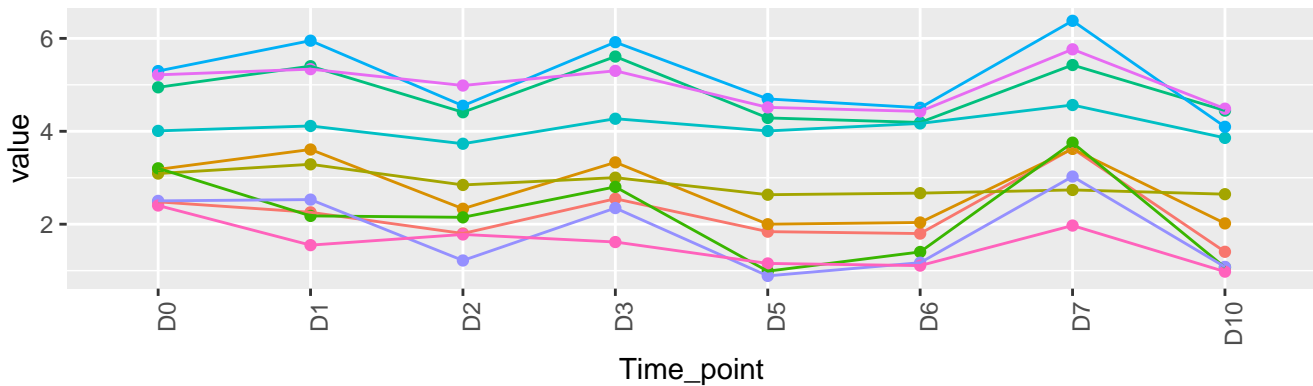
10 genes – WT-cluster-117-original



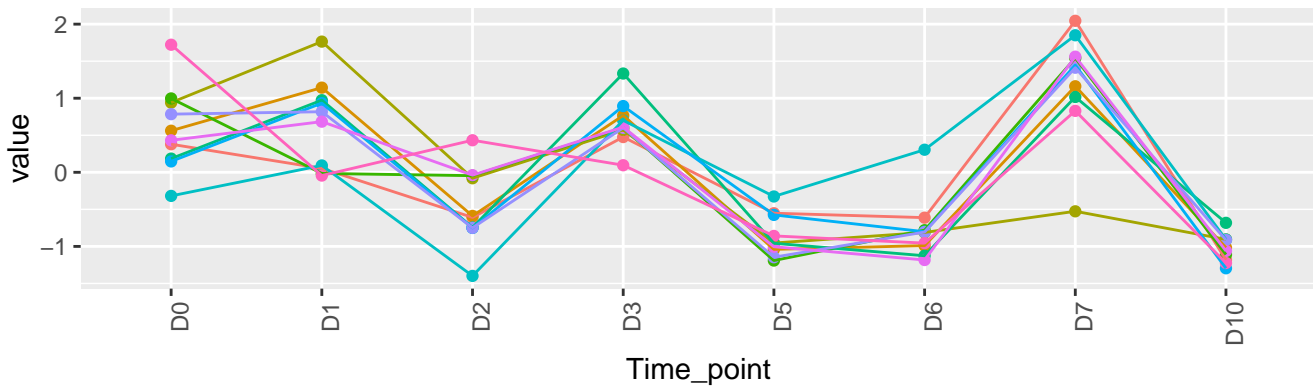
10 genes – WT-cluster-117-standardized



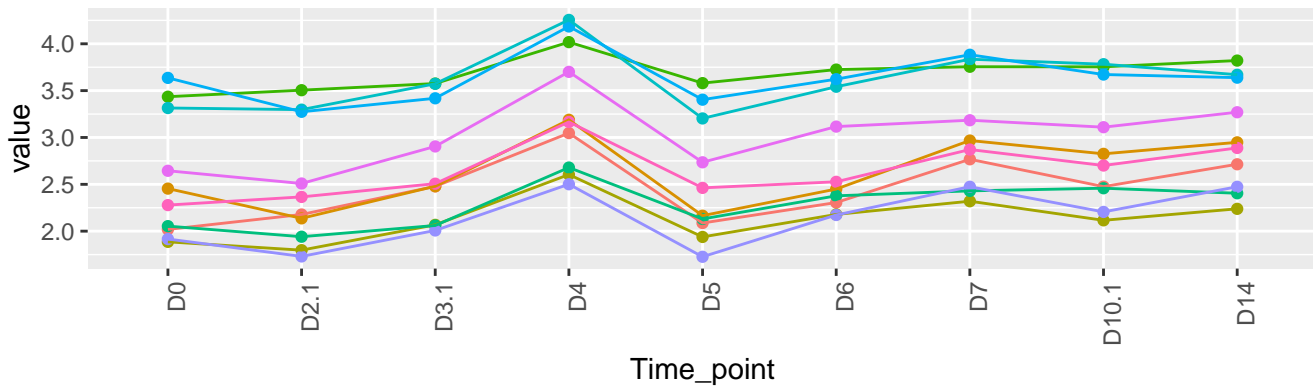
10 genes – KO-cluster-117-original



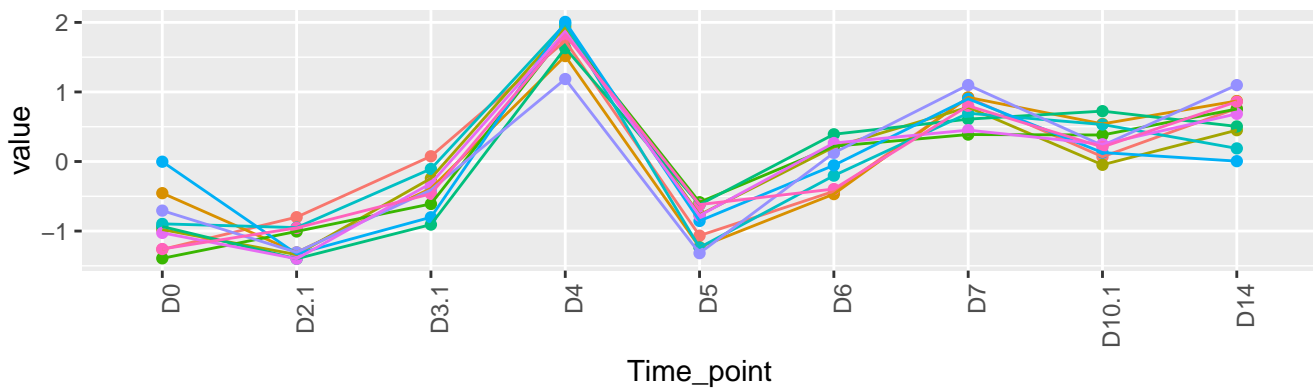
10 genes – KO-cluster-117-standardized



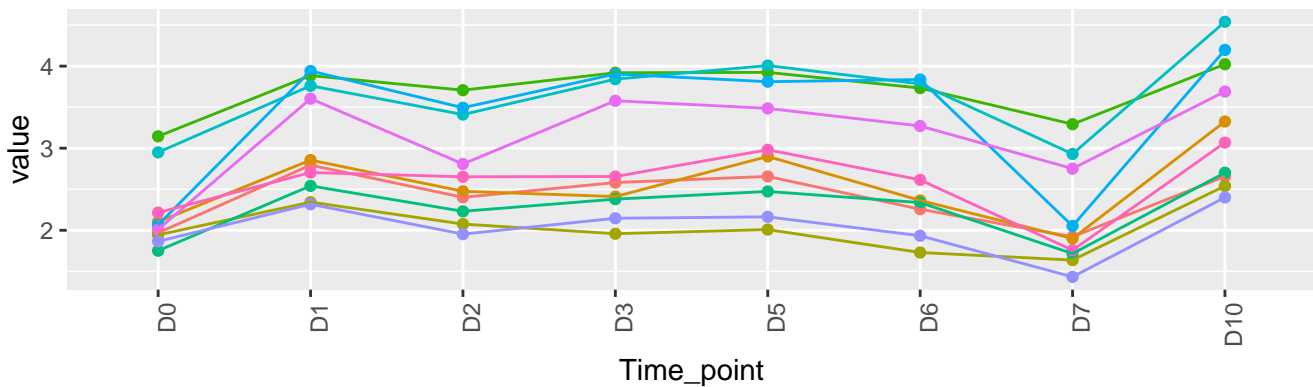
10 genes – WT-cluster-116-original



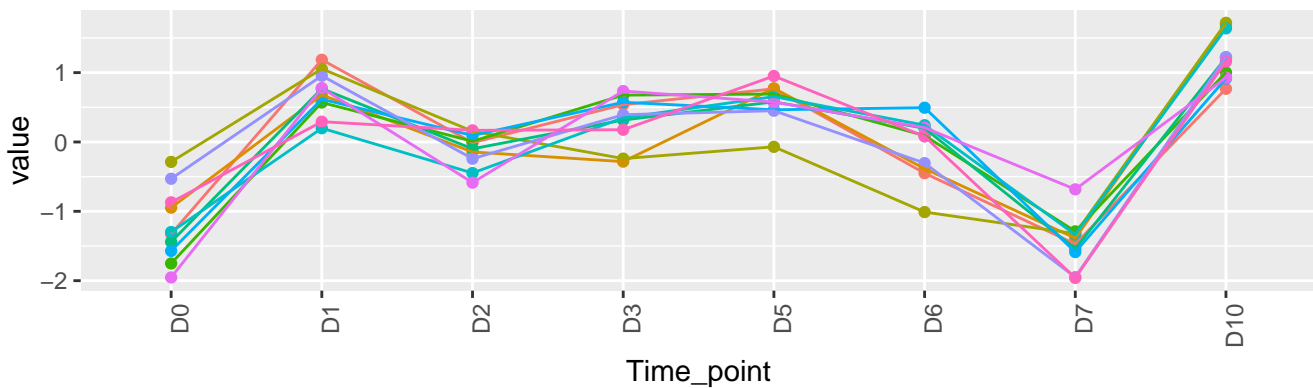
10 genes – WT-cluster-116-standardized



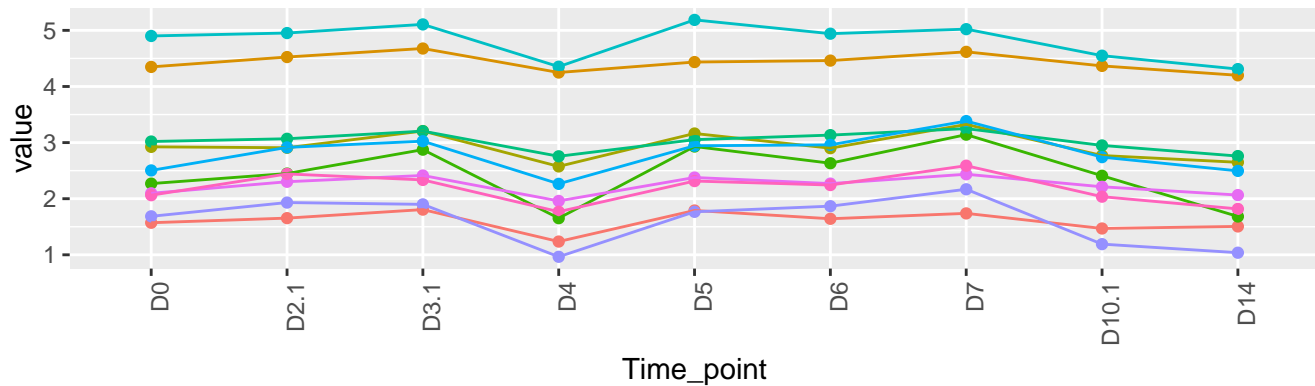
10 genes – KO-cluster-116-original



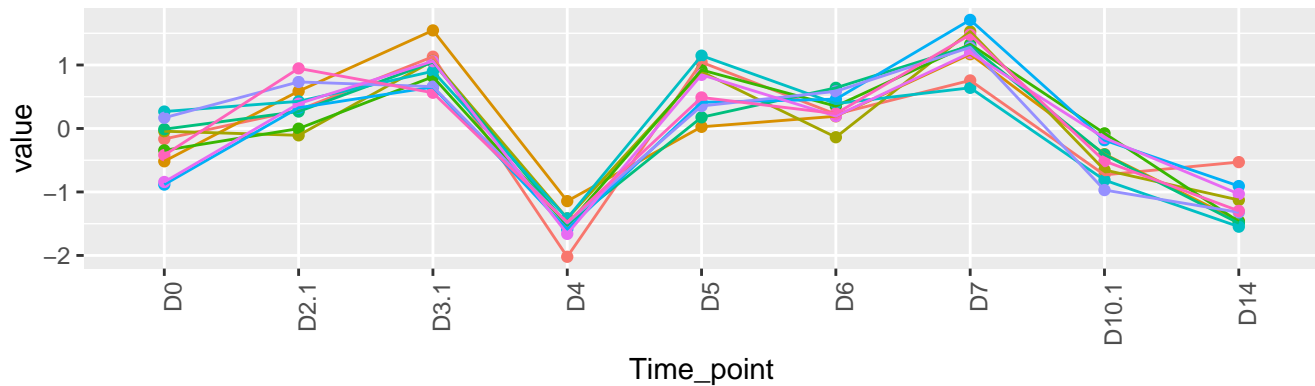
10 genes – KO-cluster-116-standardized



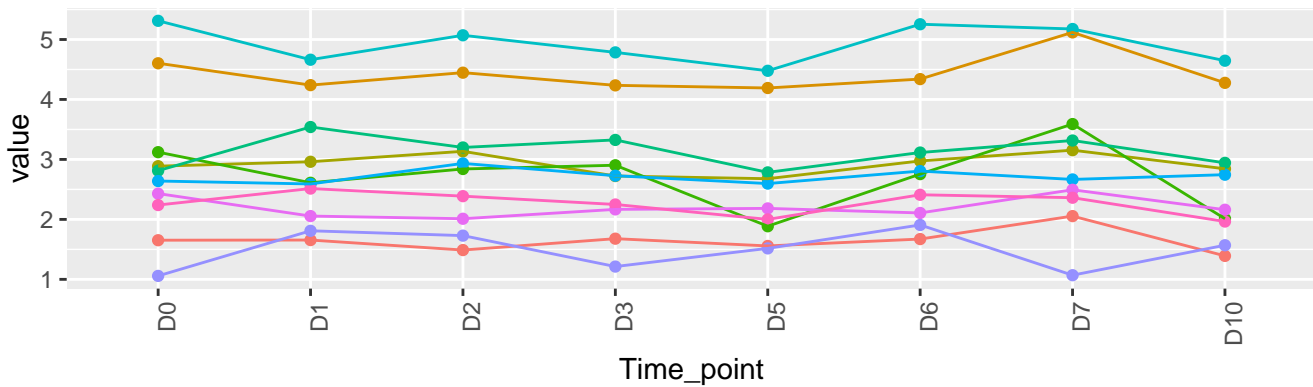
10 genes – WT-cluster-115-original



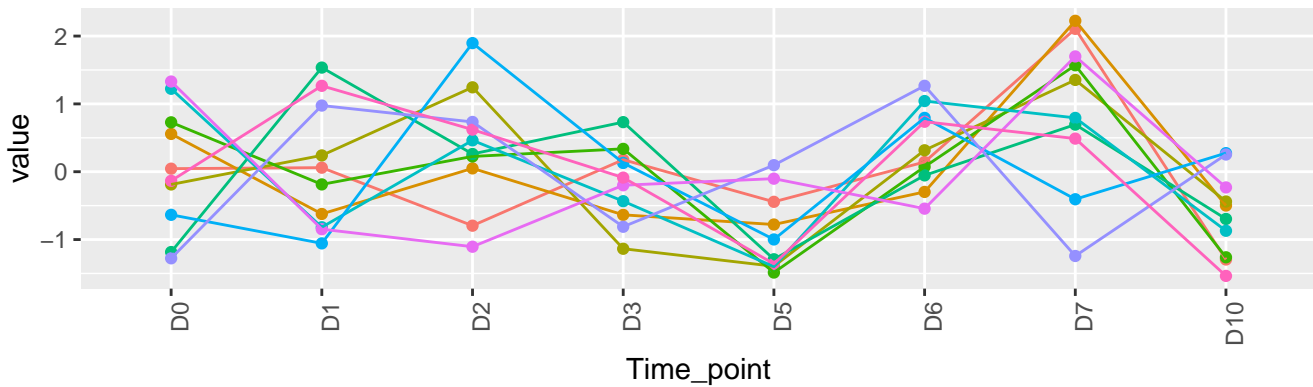
10 genes – WT-cluster-115-standardized



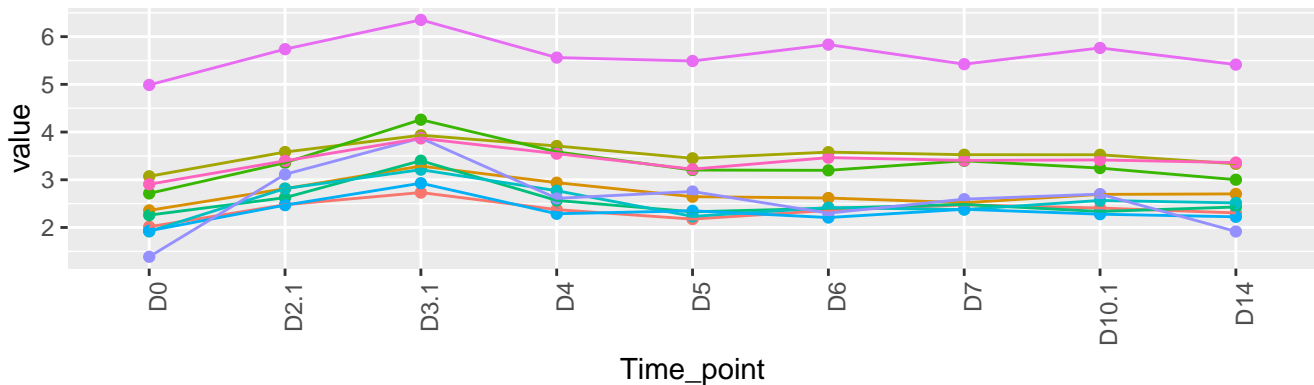
10 genes – KO-cluster-115-original



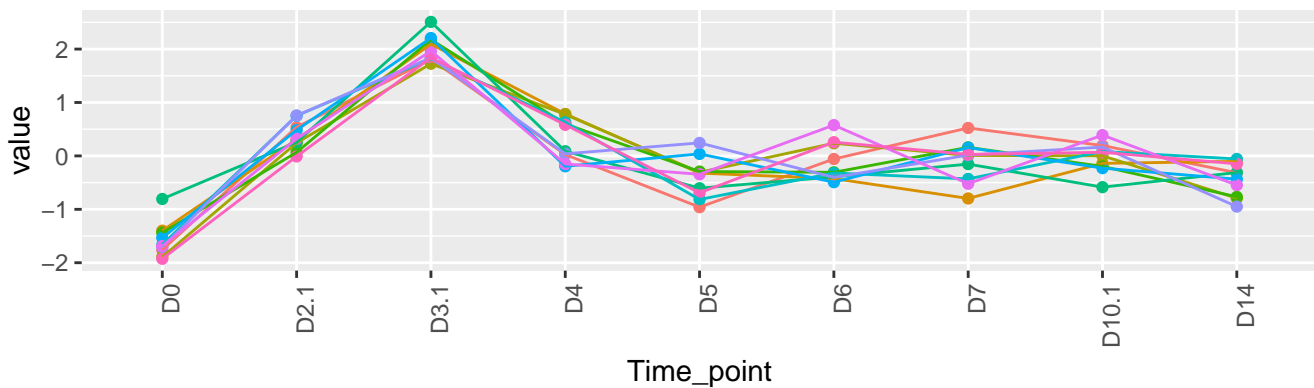
10 genes – KO-cluster-115-standardized



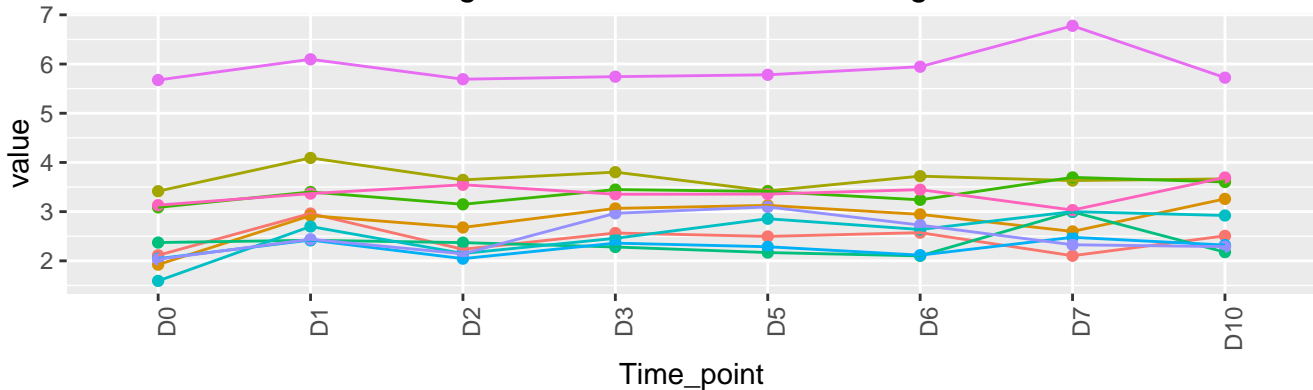
10 genes – WT-cluster-114-original



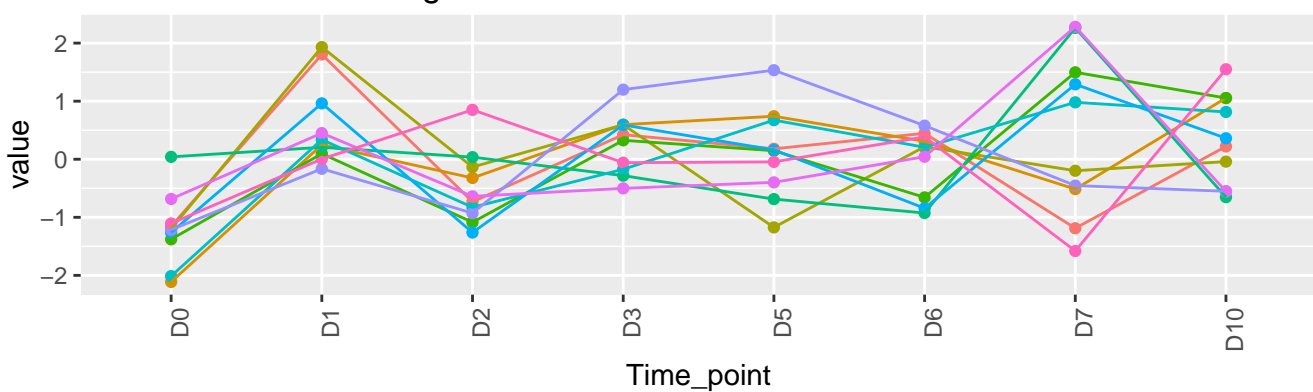
10 genes – WT-cluster-114-standardized



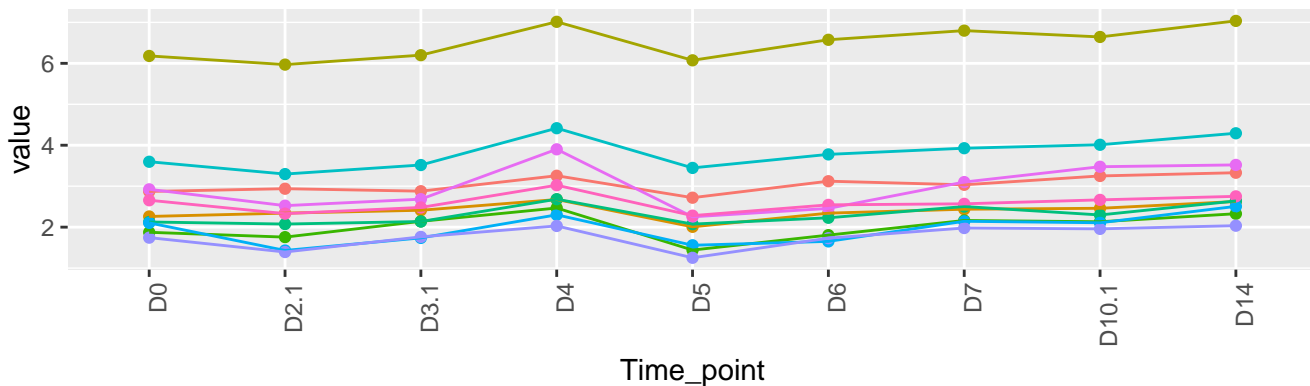
10 genes – KO-cluster-114-original



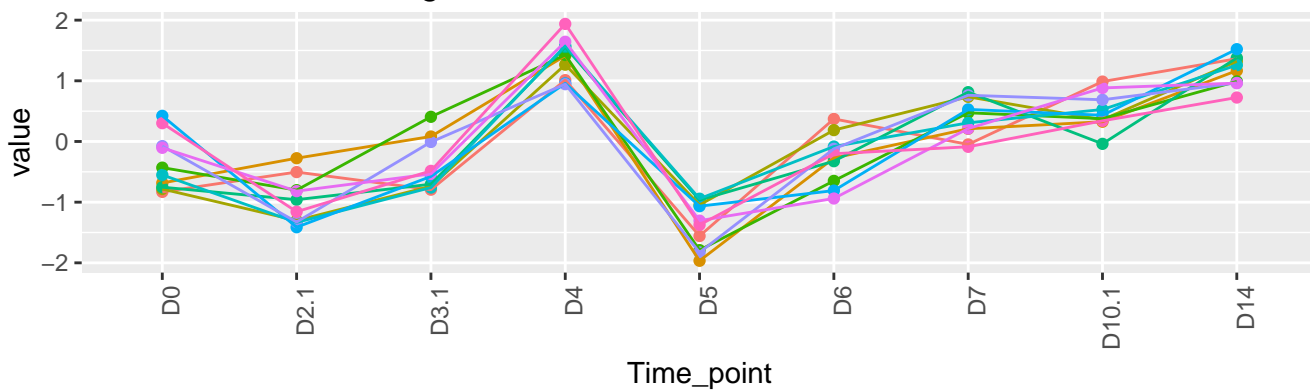
10 genes – KO-cluster-114-standardized



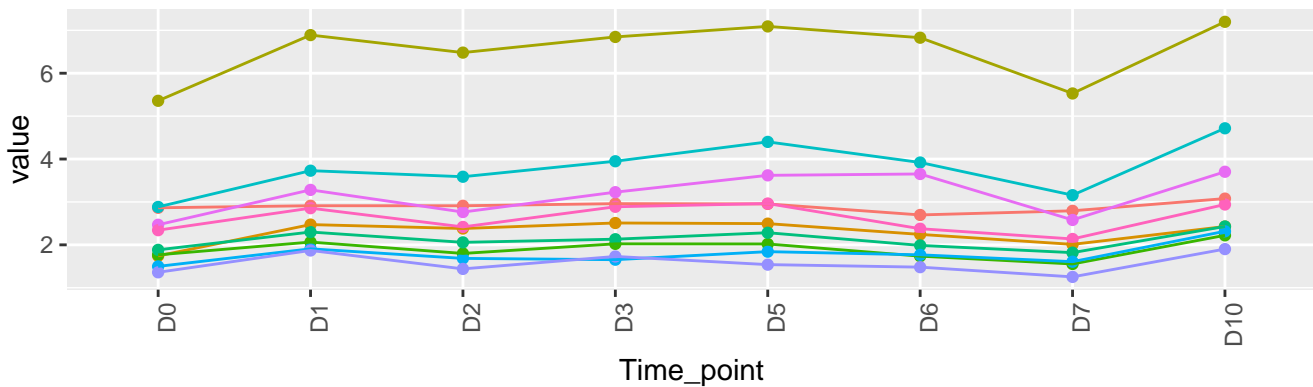
10 genes – WT-cluster-113-original



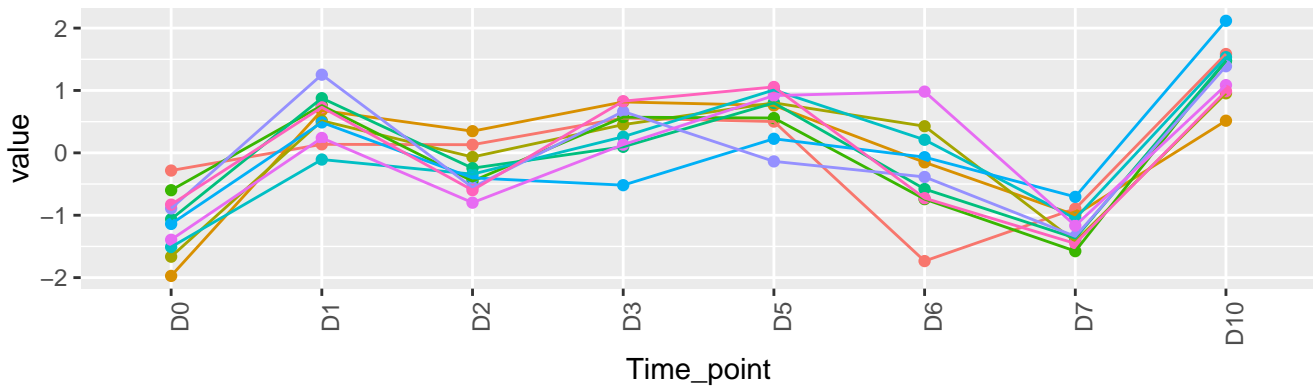
10 genes – WT-cluster-113-standardized



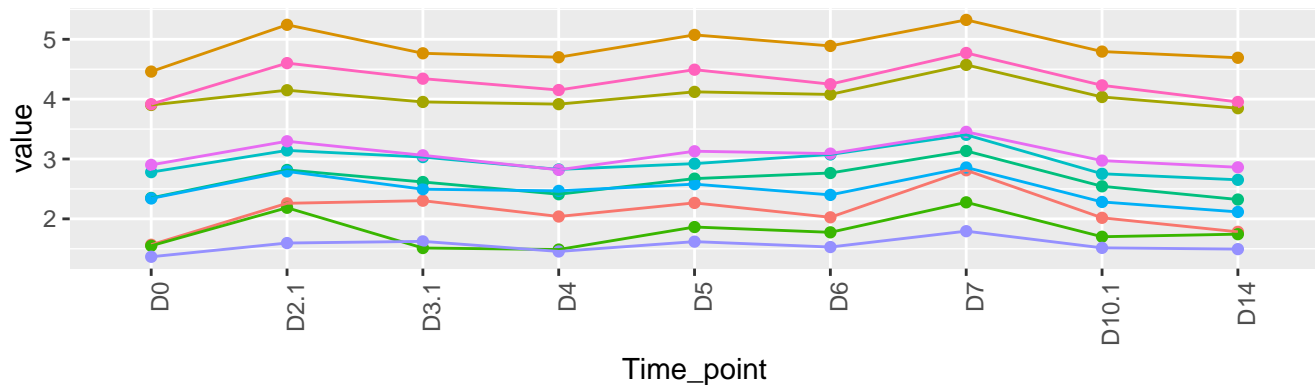
10 genes – KO-cluster-113-original



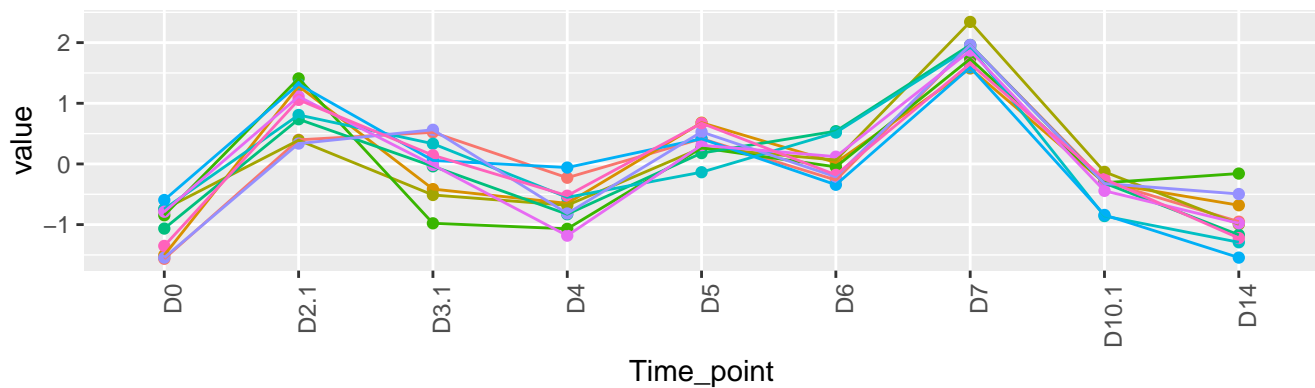
10 genes – KO-cluster-113-standardized



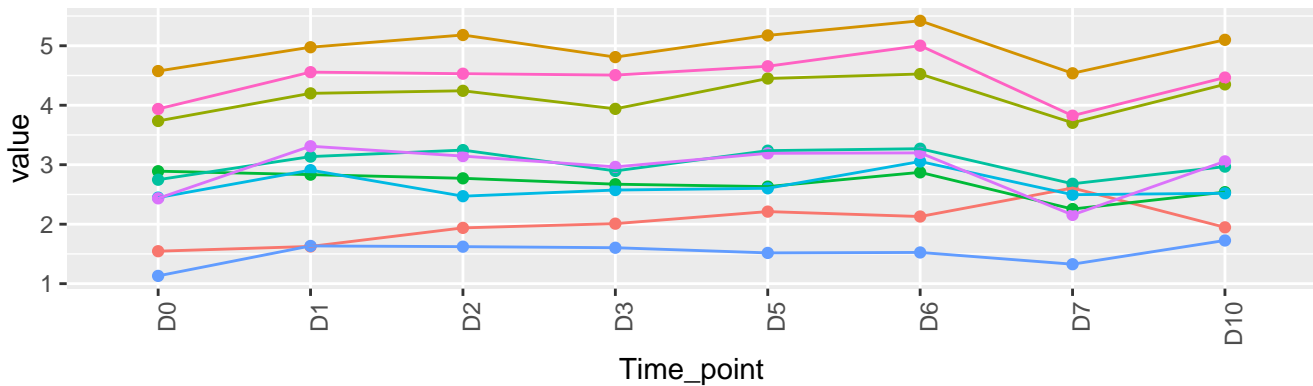
10 genes – WT-cluster-112-original



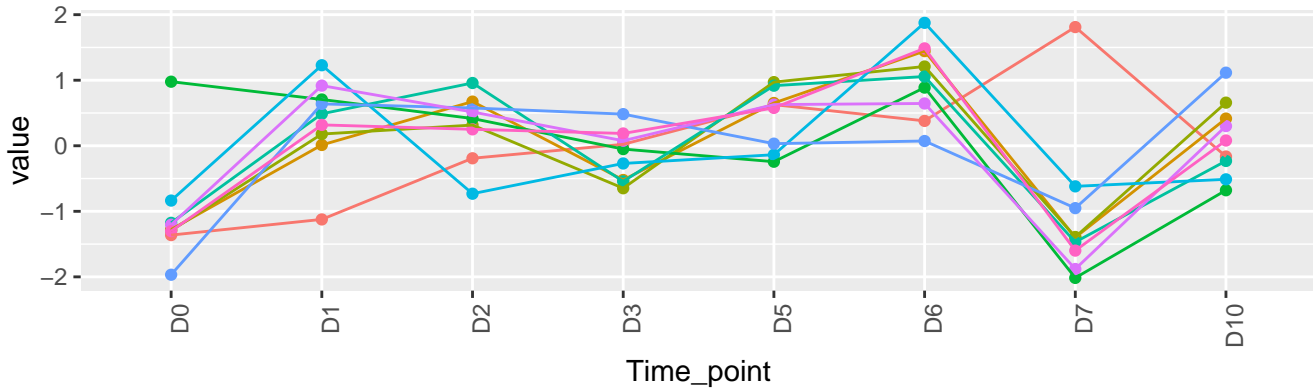
10 genes – WT-cluster-112-standardized



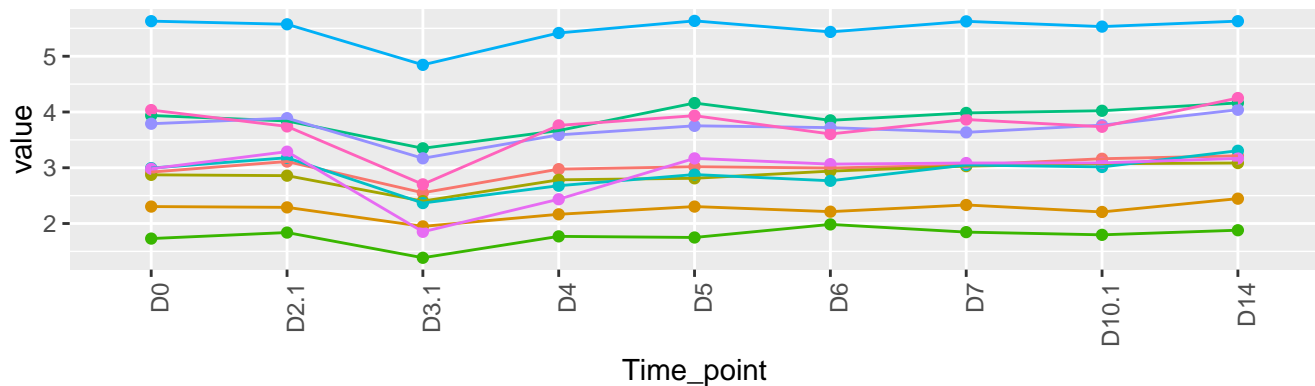
9 genes – KO-cluster-112-original



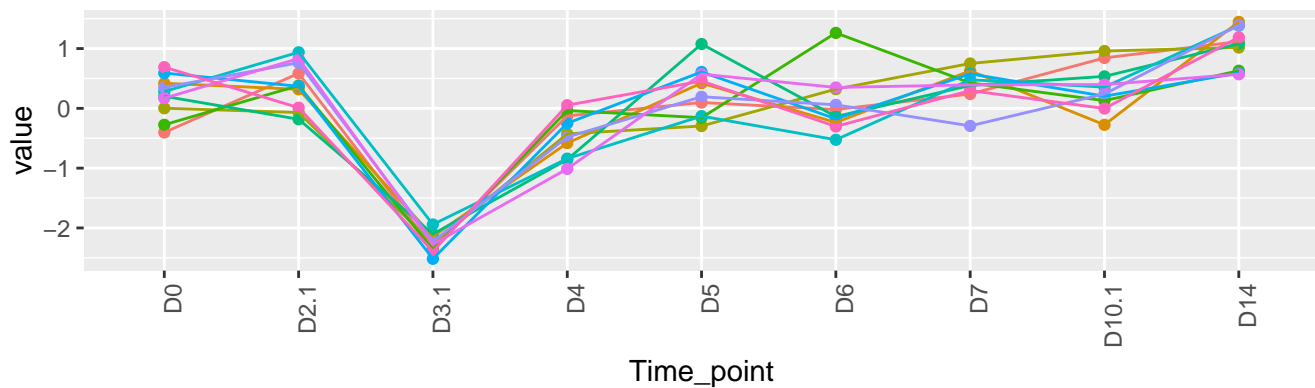
9 genes – KO-cluster-112-standardized



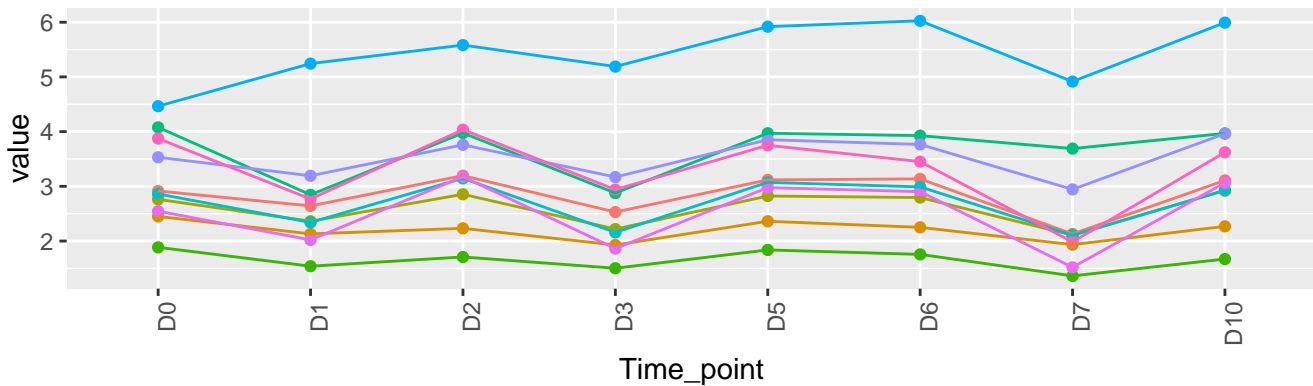
10 genes – WT-cluster-111-original



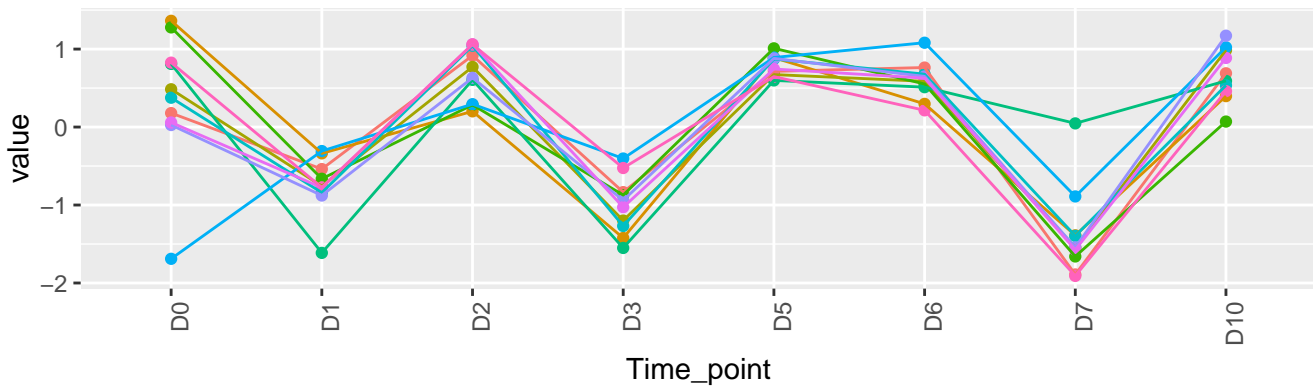
10 genes – WT-cluster-111-standardized



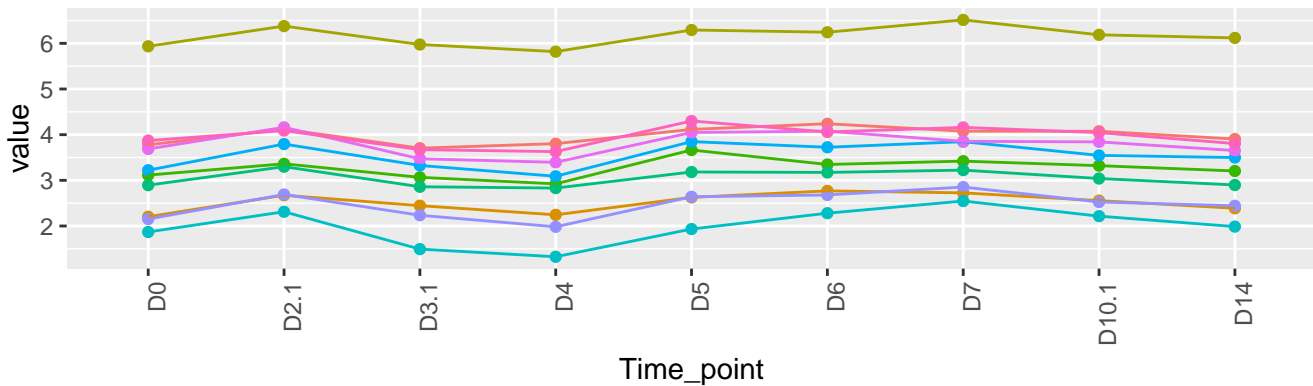
10 genes – KO-cluster-111-original



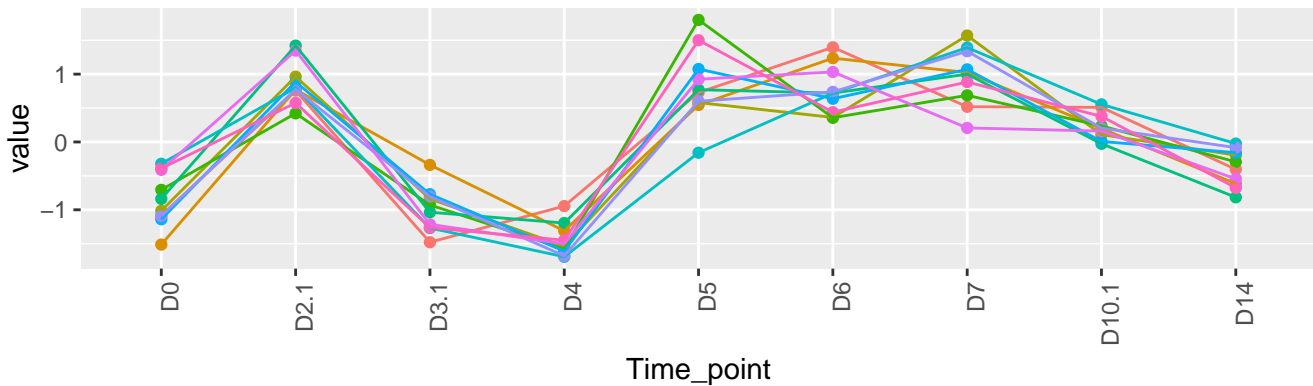
10 genes – KO-cluster-111-standardized



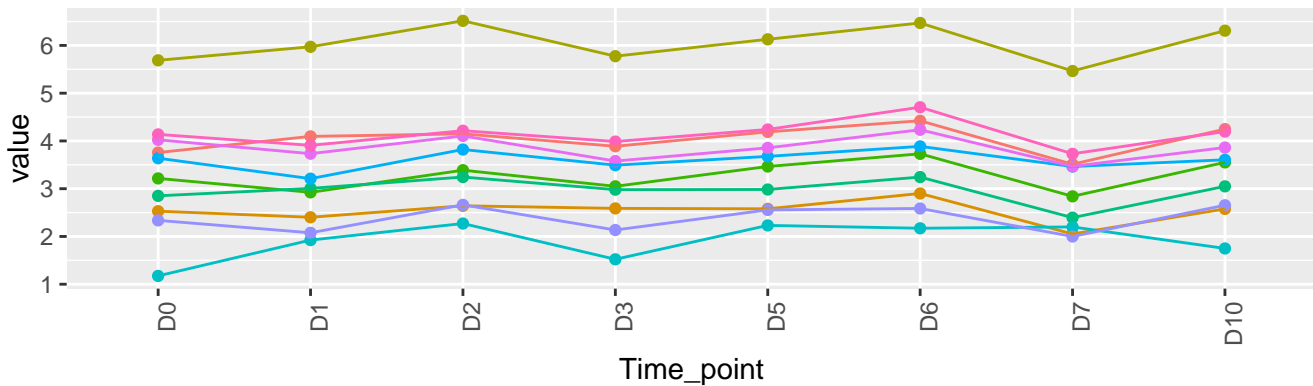
10 genes – WT-cluster-110-original



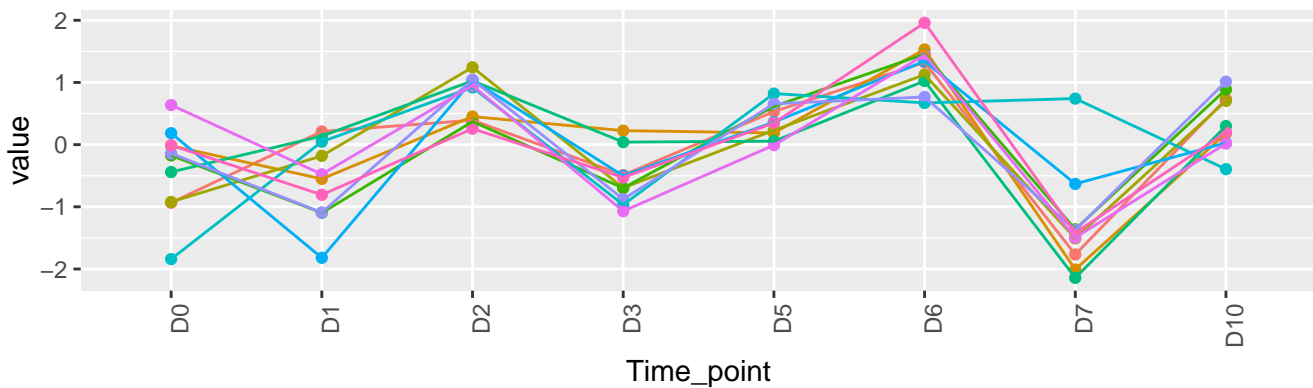
10 genes – WT-cluster-110-standardized



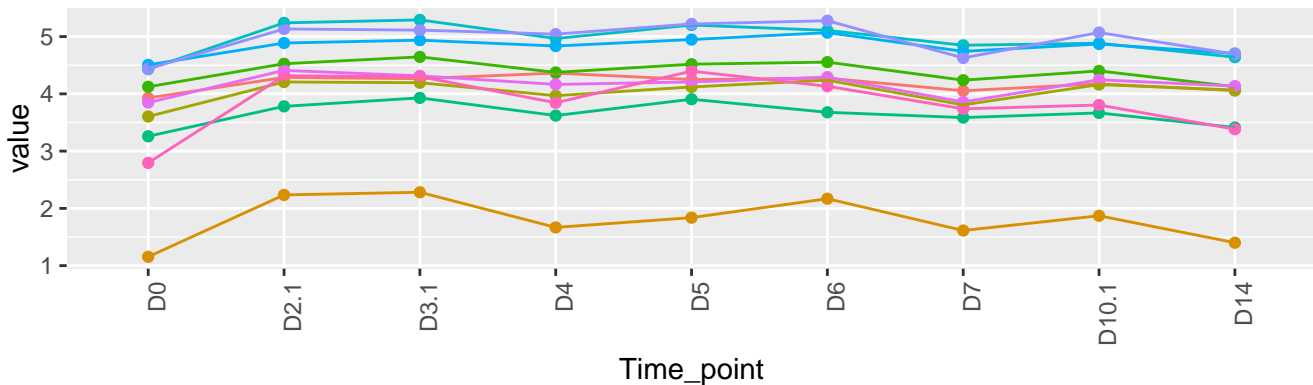
10 genes – KO-cluster-110-original



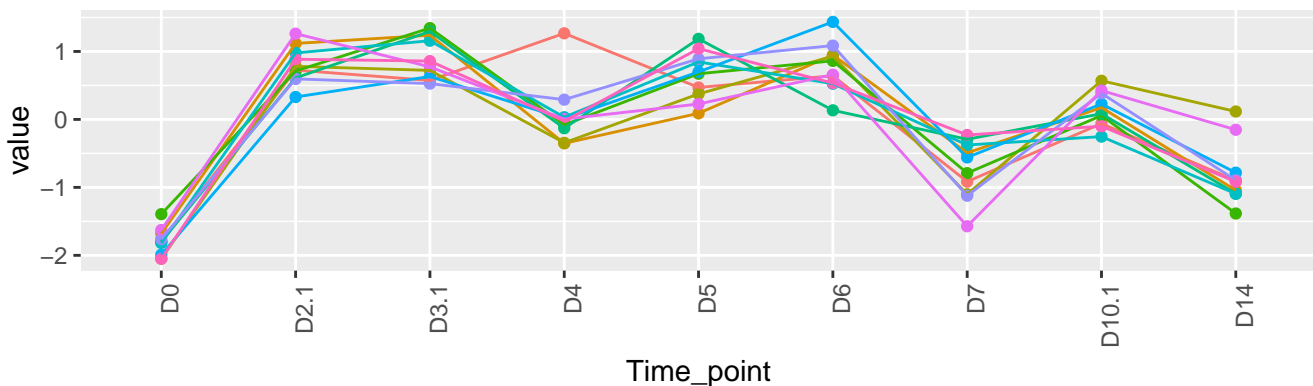
10 genes – KO-cluster-110-standardized



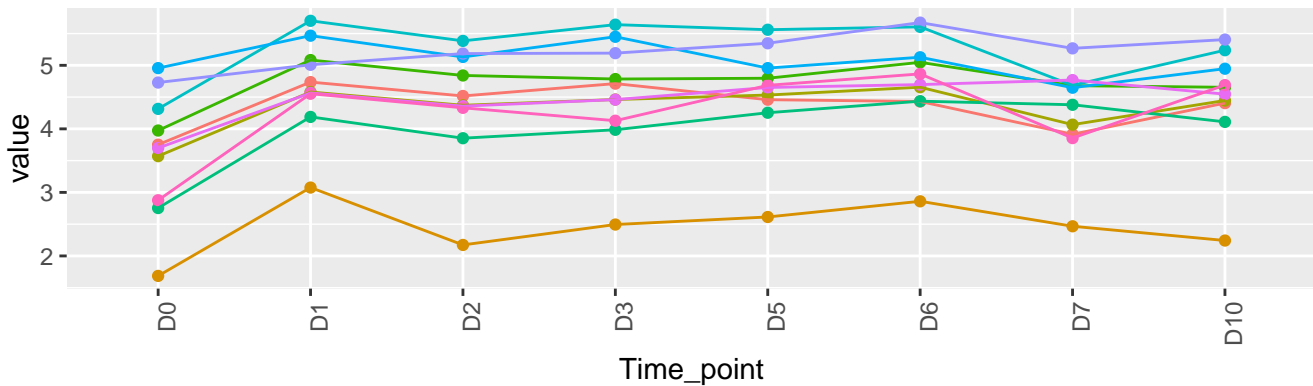
10 genes – WT-cluster-109-original



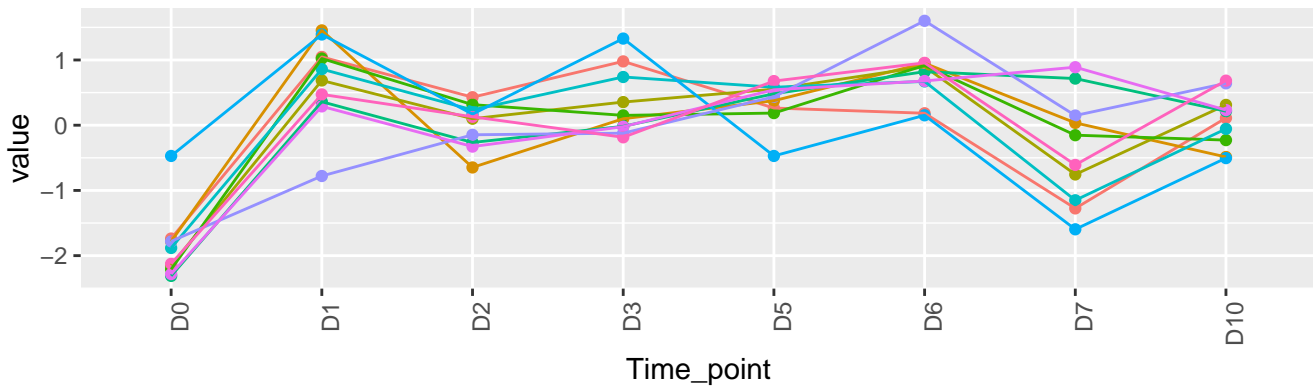
10 genes – WT-cluster-109-standardized



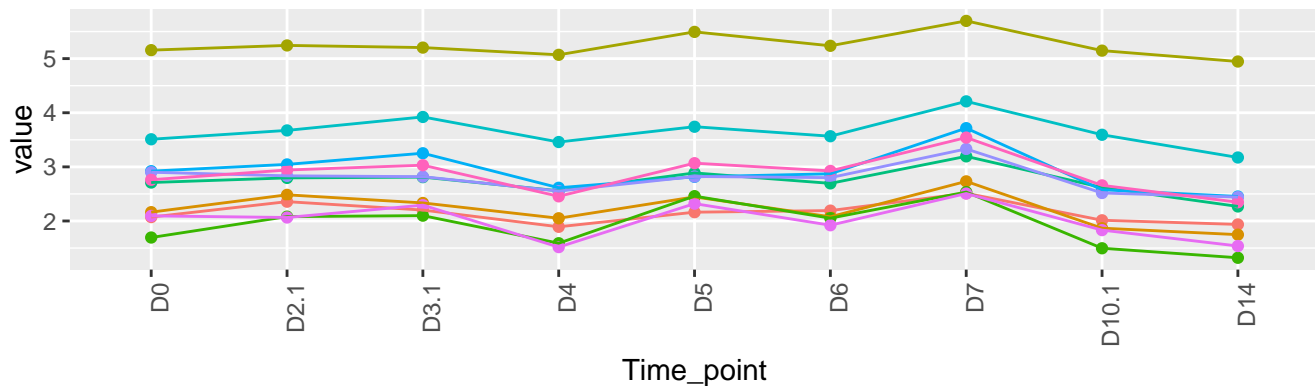
10 genes – KO-cluster-109-original



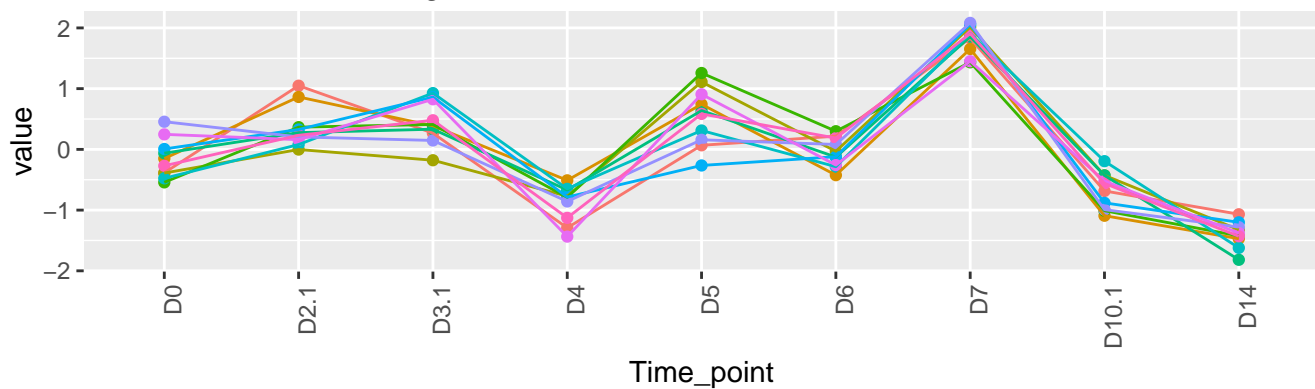
10 genes – KO-cluster-109-standardized



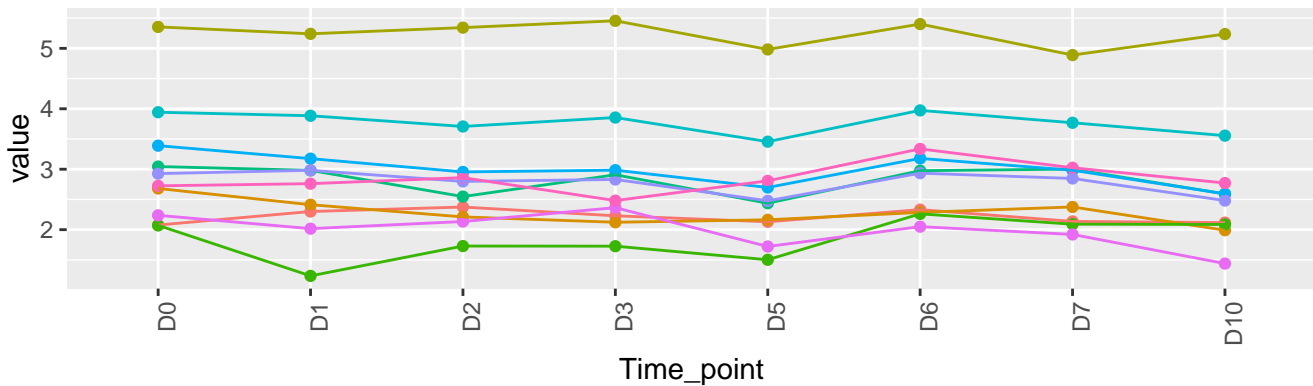
10 genes – WT-cluster-108-original



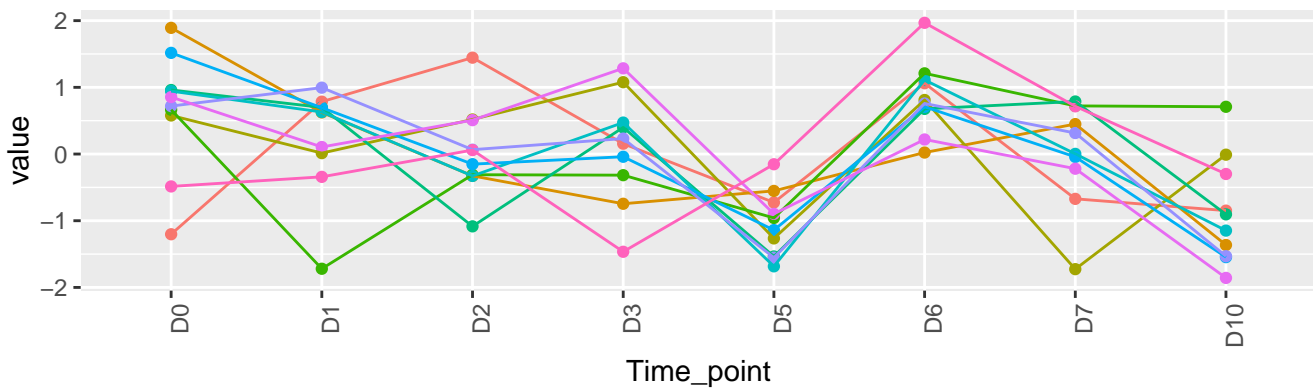
10 genes – WT-cluster-108-standardized



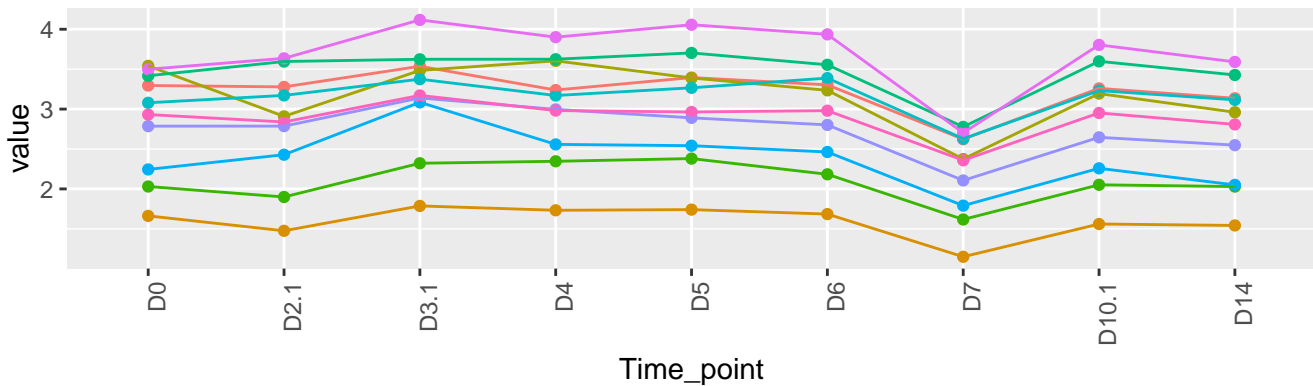
10 genes – KO-cluster-108-original



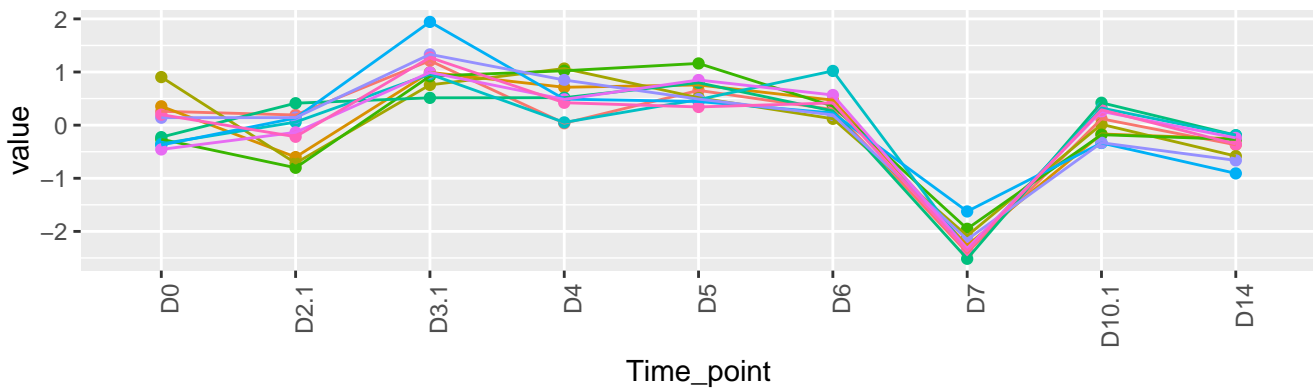
10 genes – KO-cluster-108-standardized



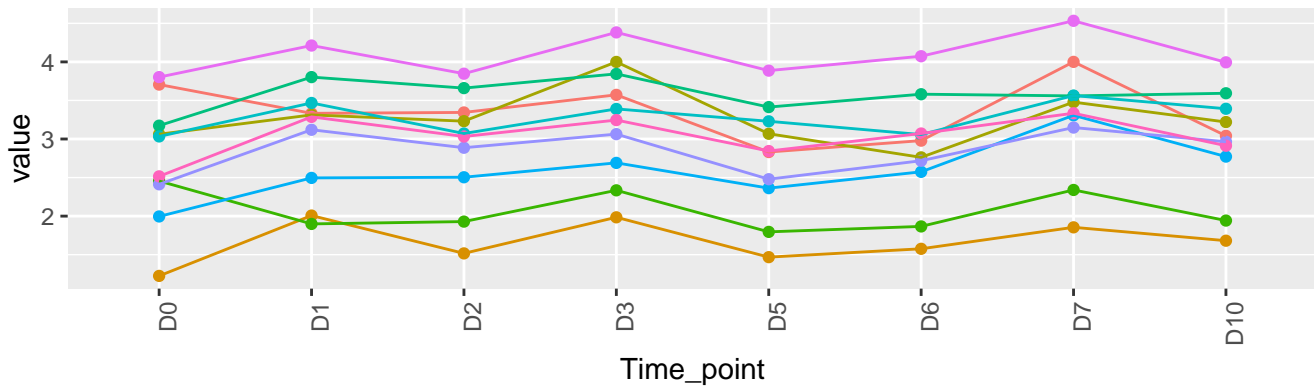
10 genes – WT-cluster-107-original



10 genes – WT-cluster-107-standardized



10 genes – KO-cluster-107-original



10 genes – KO-cluster-107-standardized

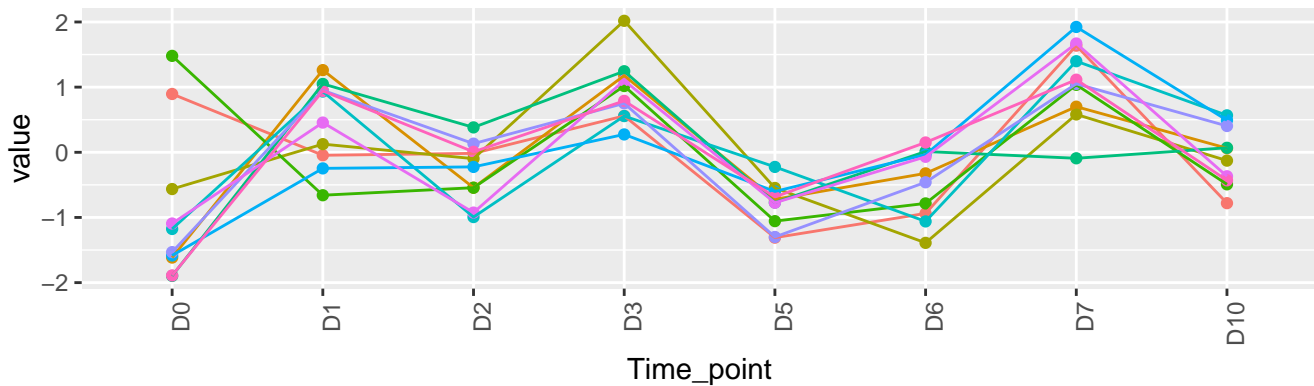
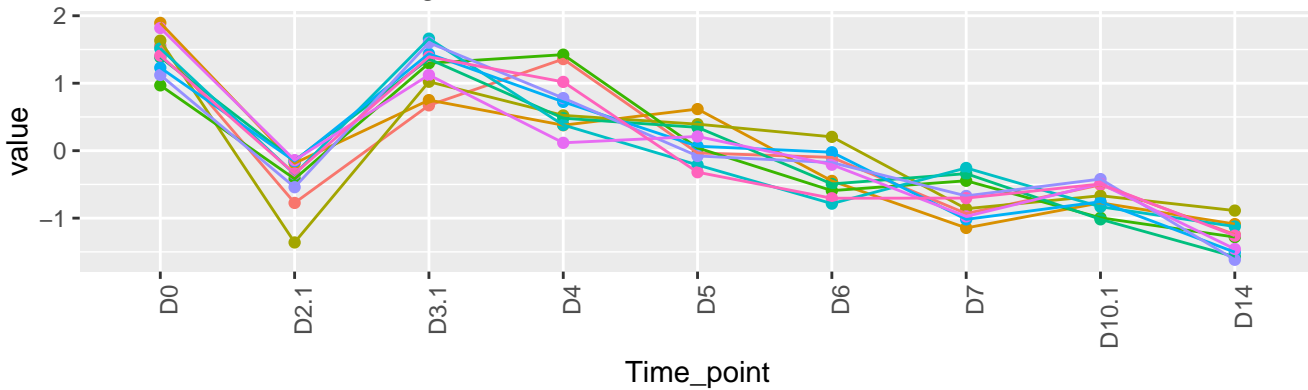
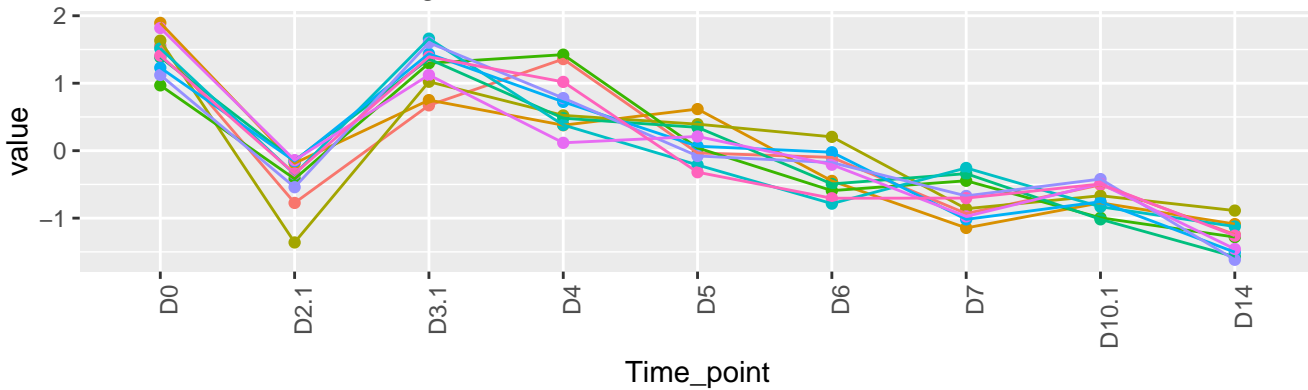
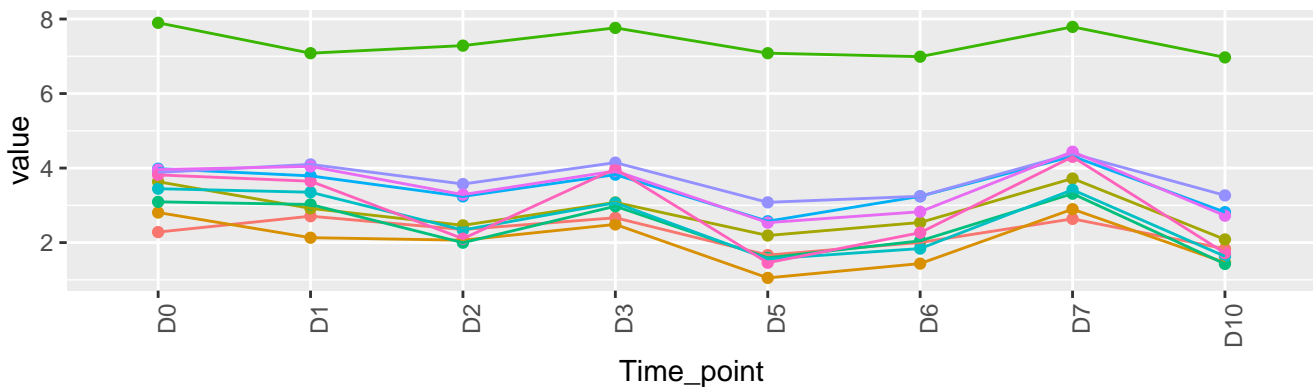


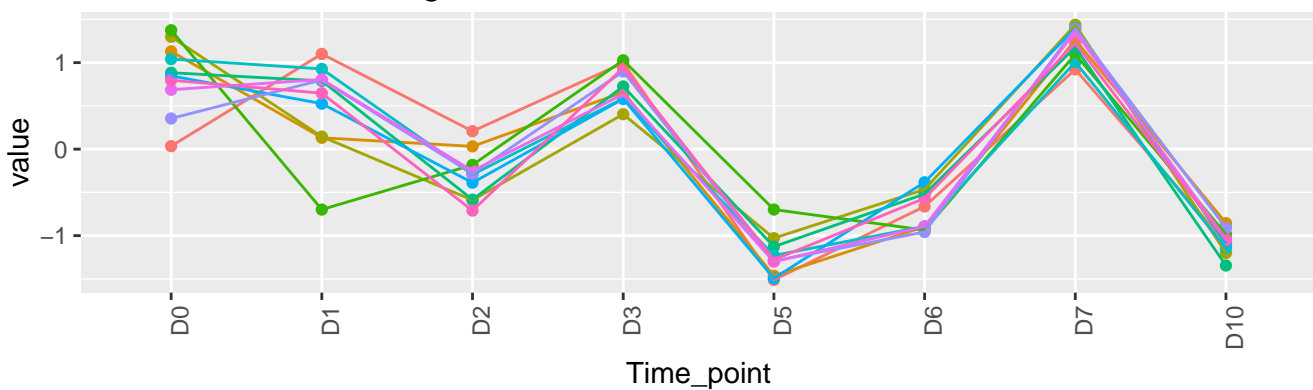
Figure 10: Evolution of the number of nodes in the network. The graph shows the number of nodes (Y-axis, 0 to 100) over time (X-axis, D0 to D14). The network size is constant for each simulation, with different colors representing different sizes. The green line represents the largest network size, which starts at 100 nodes and decreases slightly to around 85 nodes by D14. The other lines represent smaller network sizes, starting between 20 and 40 nodes and decreasing to around 10-20 nodes by D14.



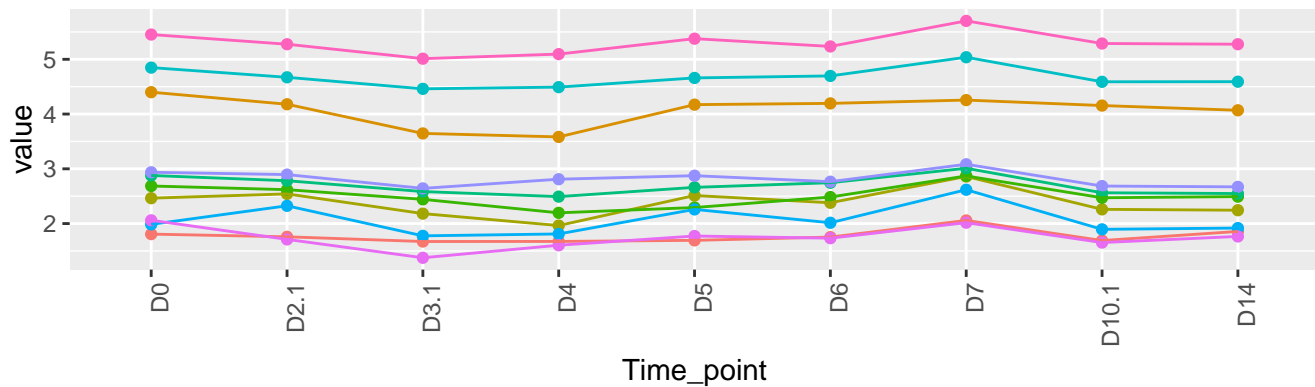
10 genes – KO-cluster-106-original



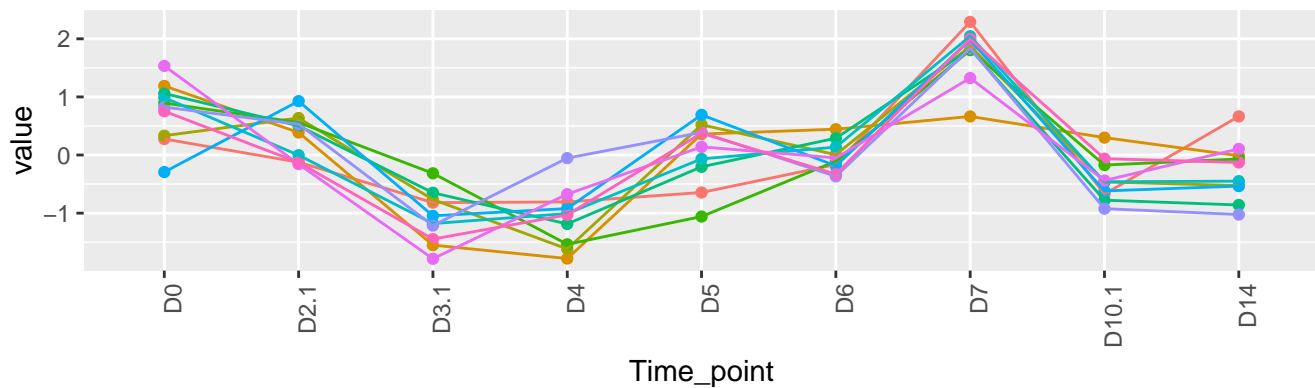
10 genes – KO-cluster-106-standardized



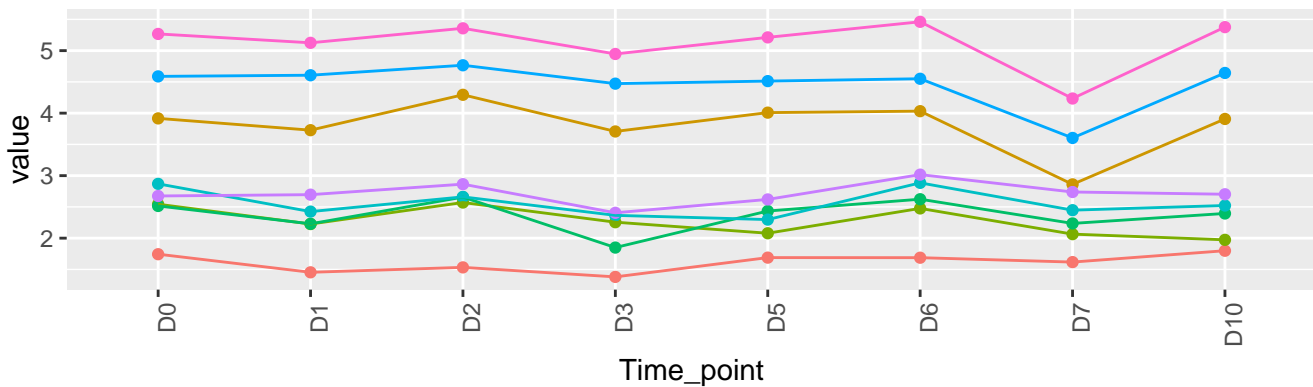
10 genes – WT-cluster-105-original



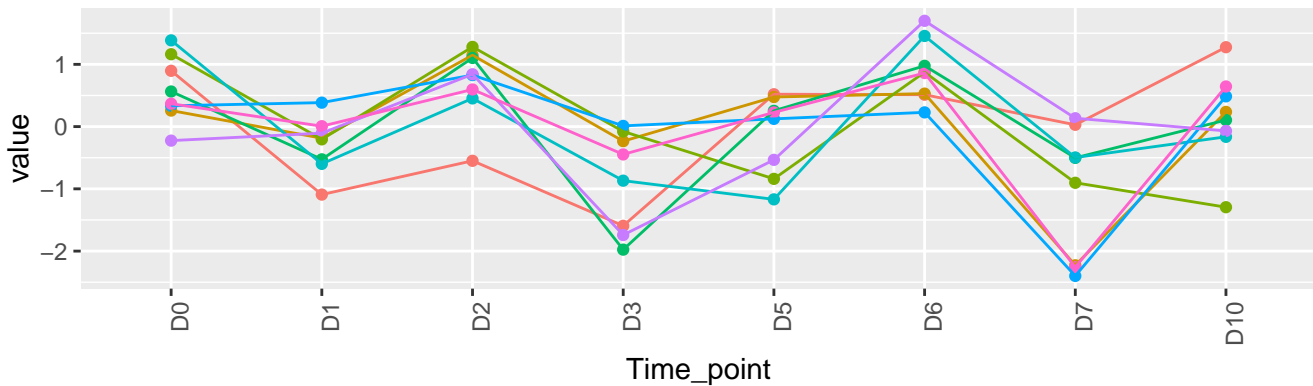
10 genes – WT-cluster-105-standardized



8 genes – KO-cluster-105-original

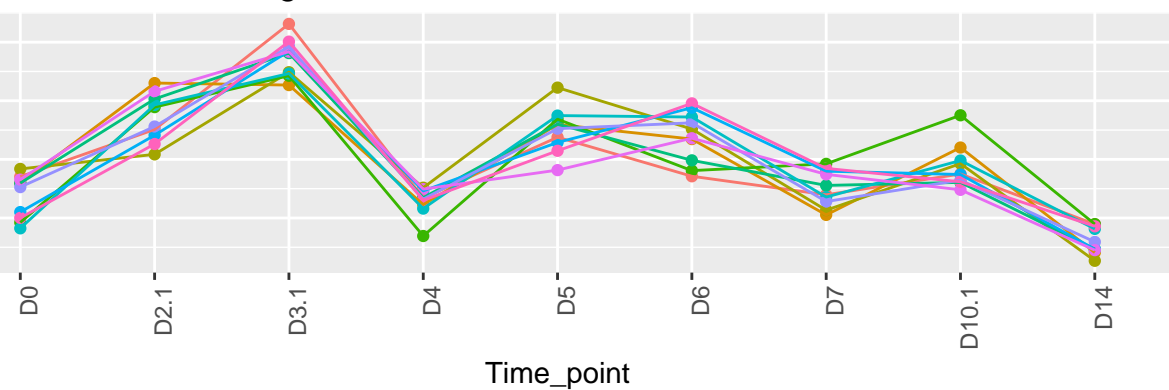


8 genes – KO-cluster-105-standardized

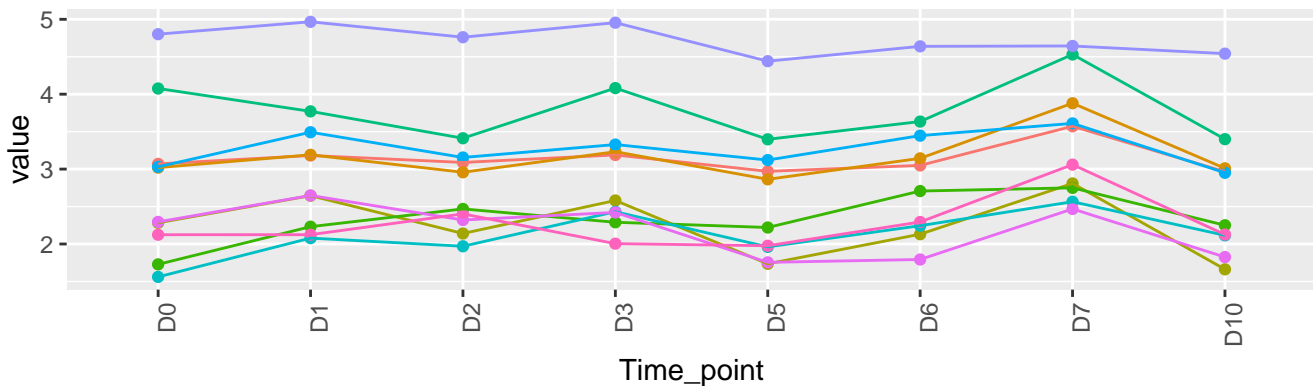


The graph displays the evolution of 10 metrics over time. The x-axis represents time points: D0, D2.1, D3.1, D4, D5, D6, D7, D10.1, and D14. The y-axis represents the value of the metrics, ranging from 0 to 100. The metrics are represented by colored lines with markers. The purple line is the highest, followed by green, red, blue, orange, yellow, light green, dark green, pink, and light pink.

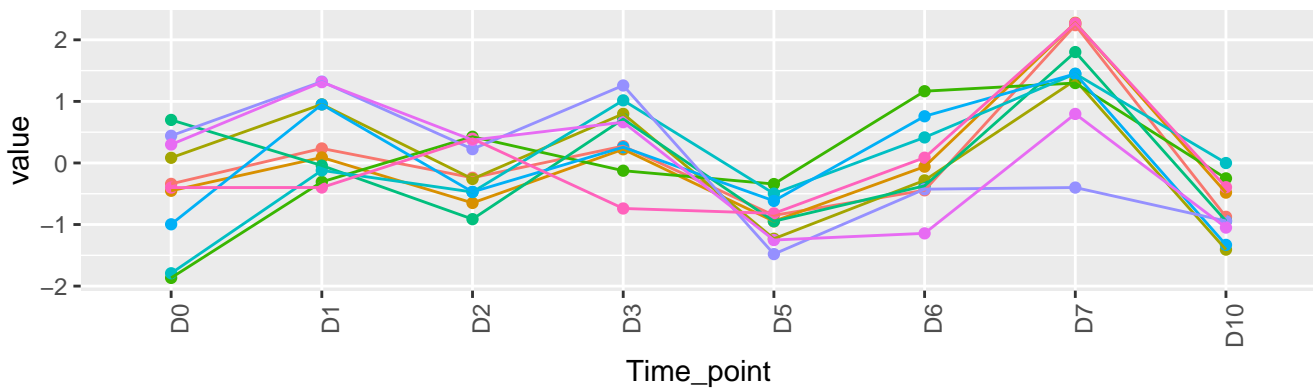
Time_point	Purple	Green	Red	Blue	Orange	Yellow	Light Green	Dark Green	Pink	Light Pink
D0	95	75	70	65	60	55	50	45	40	35
D2.1	96	85	75	70	65	60	55	50	45	40
D3.1	98	90	85	75	70	65	60	55	50	45
D4	95	70	65	60	55	50	45	40	35	30
D5	96	80	75	65	60	55	50	45	40	35
D6	96	75	70	65	60	55	50	45	40	35
D7	95	70	65	60	55	50	45	40	35	30
D10.1	96	75	70	65	60	55	50	45	40	35
D14	95	65	60	55	50	45	40	35	30	25



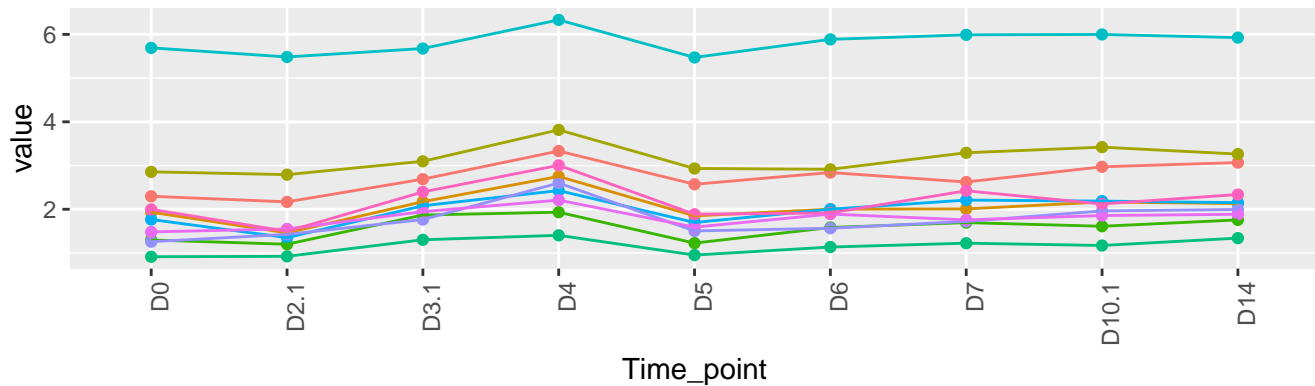
10 genes – KO-cluster-104-original



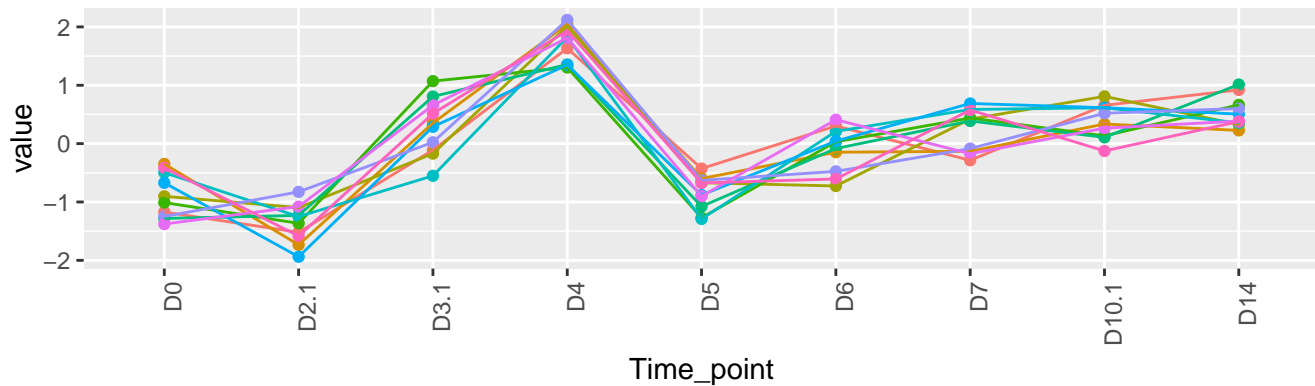
10 genes – KO-cluster-104-standardized



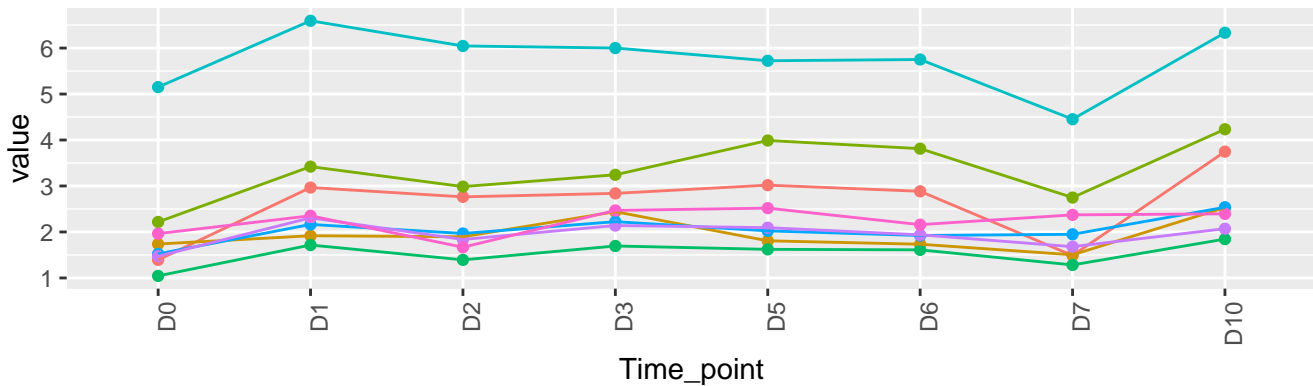
10 genes – WT-cluster-103-original



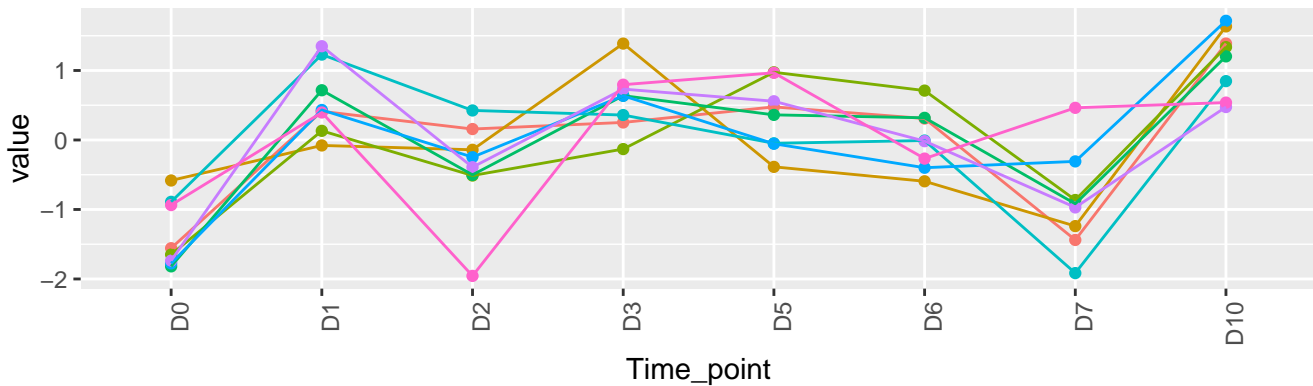
10 genes – WT-cluster-103-standardized



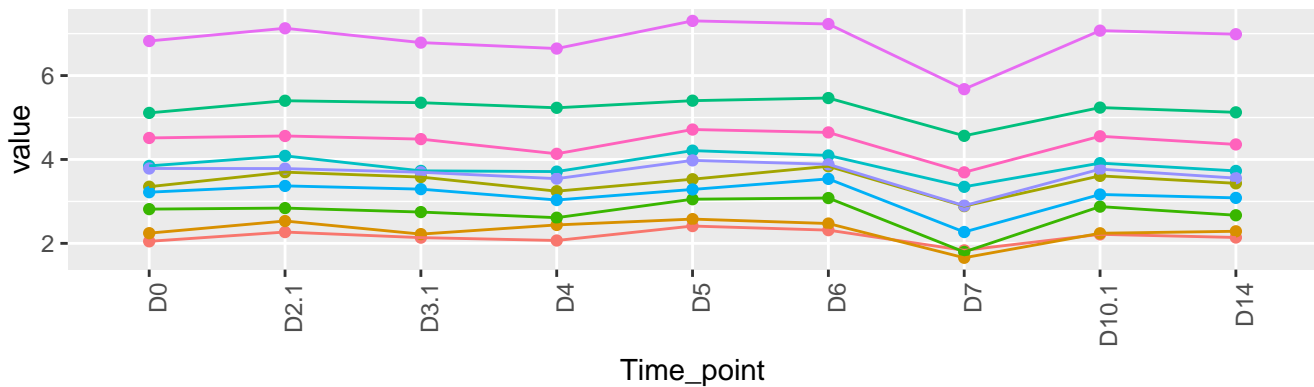
8 genes – KO-cluster-103-original



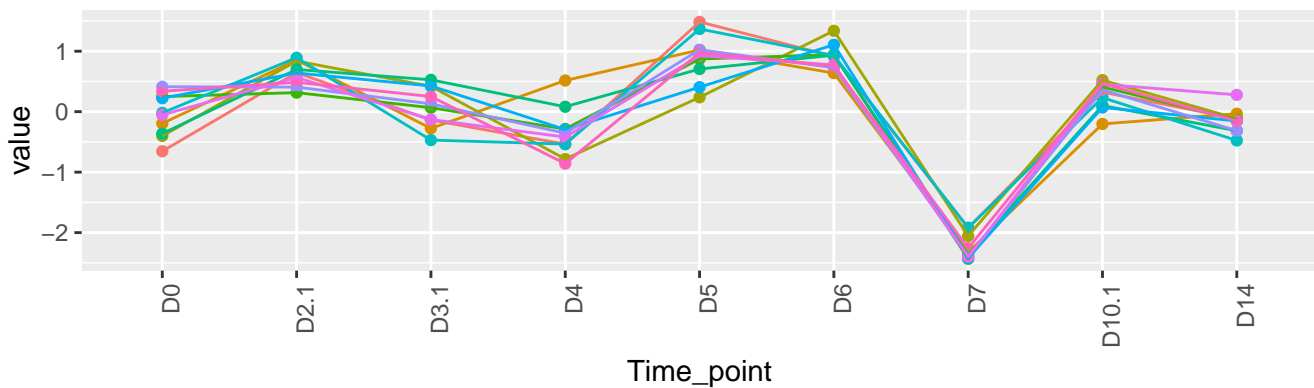
8 genes – KO-cluster-103-standardized



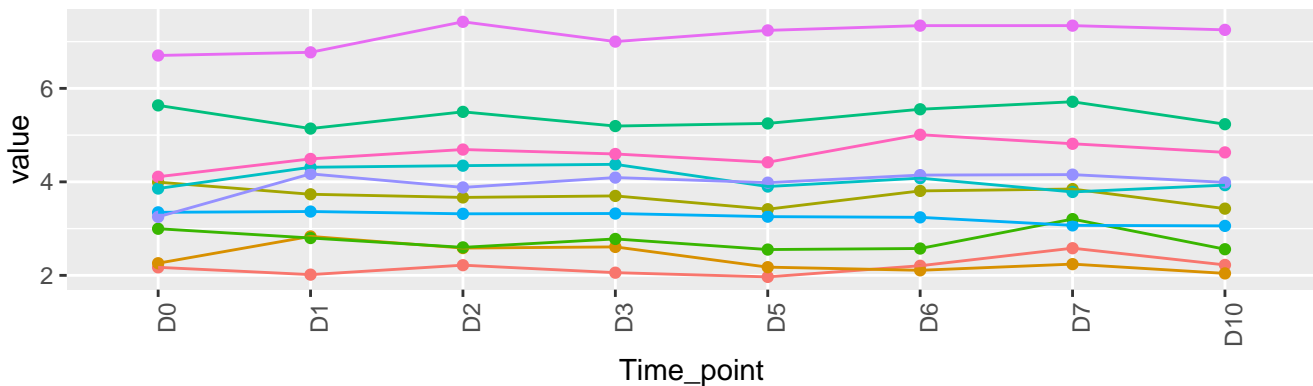
10 genes – WT-cluster-102-original



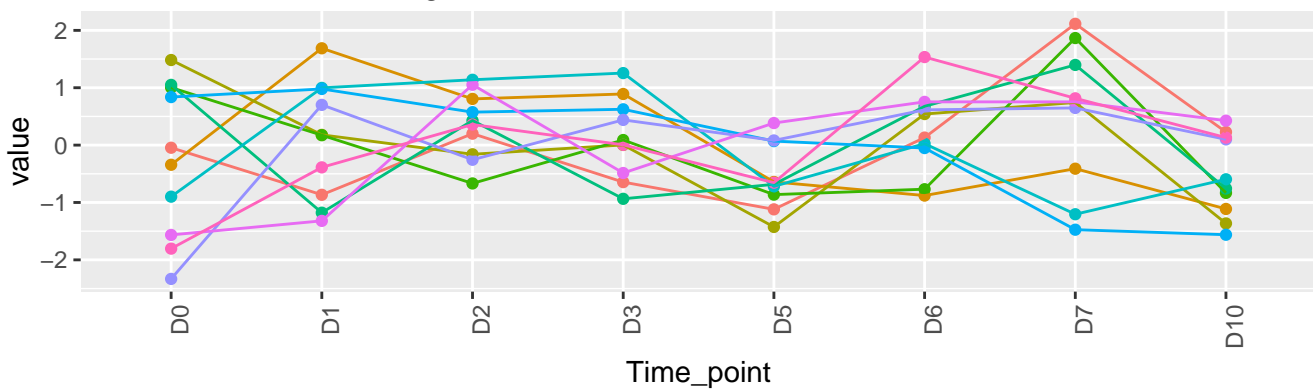
10 genes – WT-cluster-102-standardized



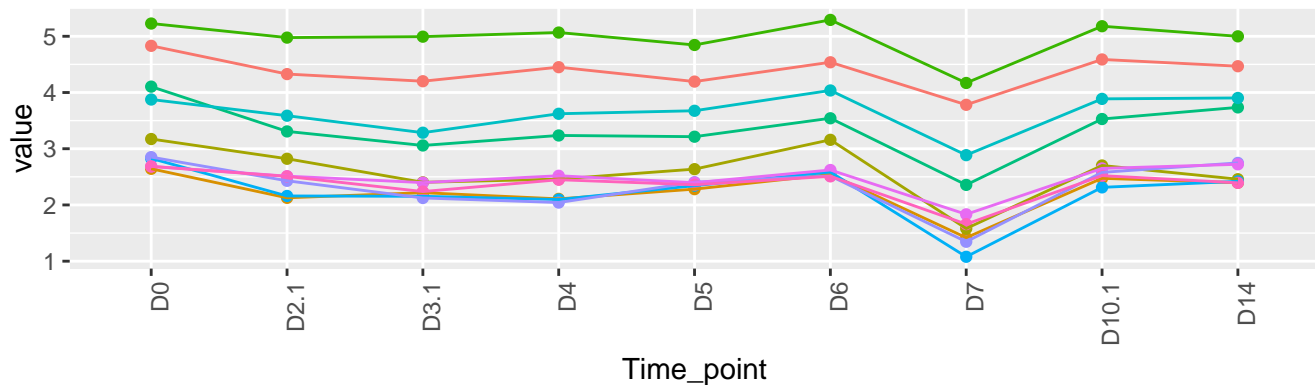
10 genes – KO-cluster-102-original



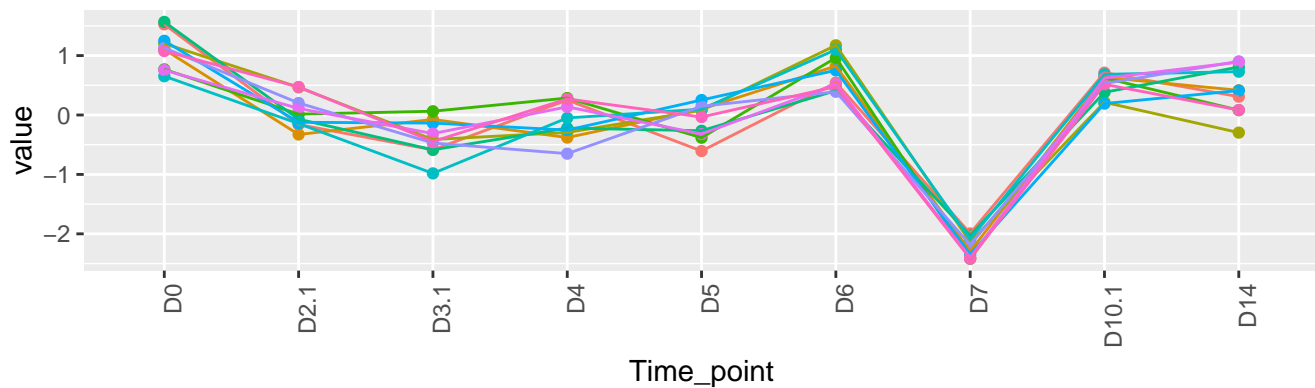
10 genes – KO-cluster-102-standardized



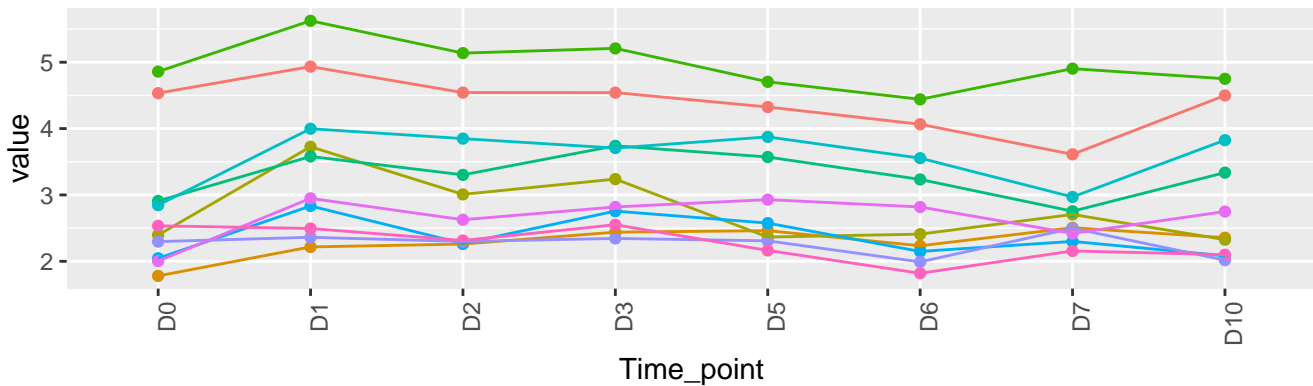
10 genes – WT-cluster-101-original



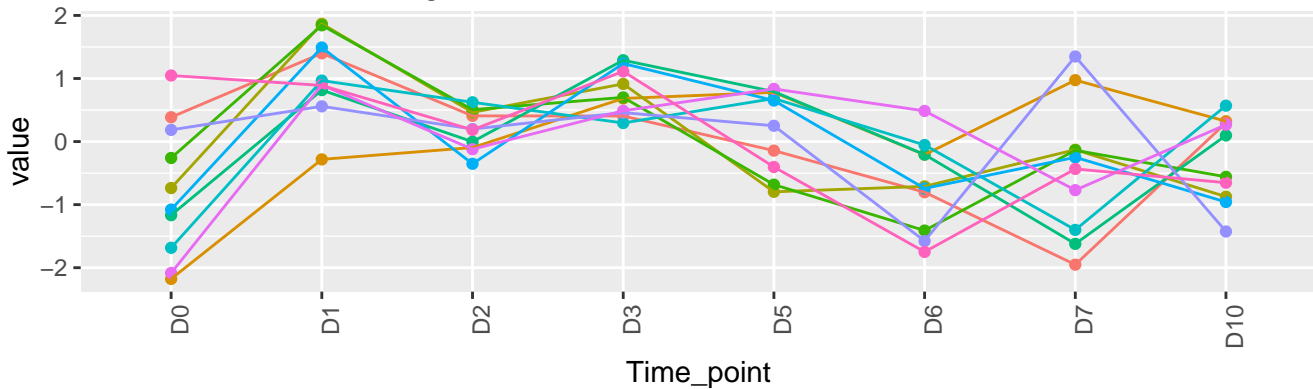
10 genes – WT-cluster-101-standardized



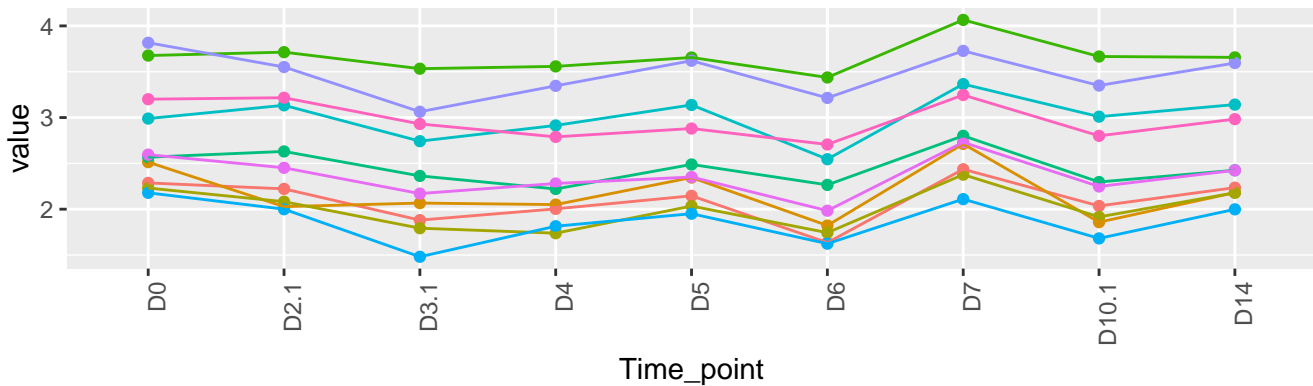
10 genes – KO-cluster-101-original



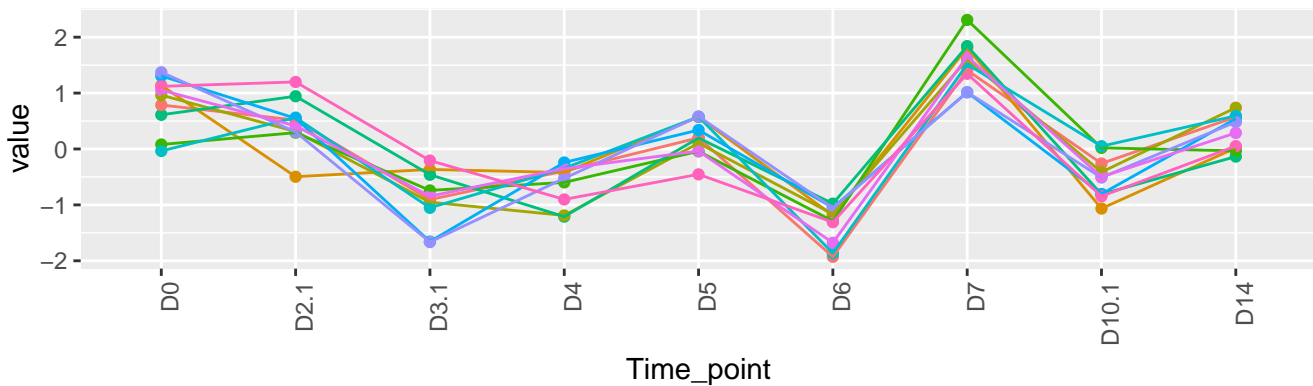
10 genes – KO-cluster-101-standardized



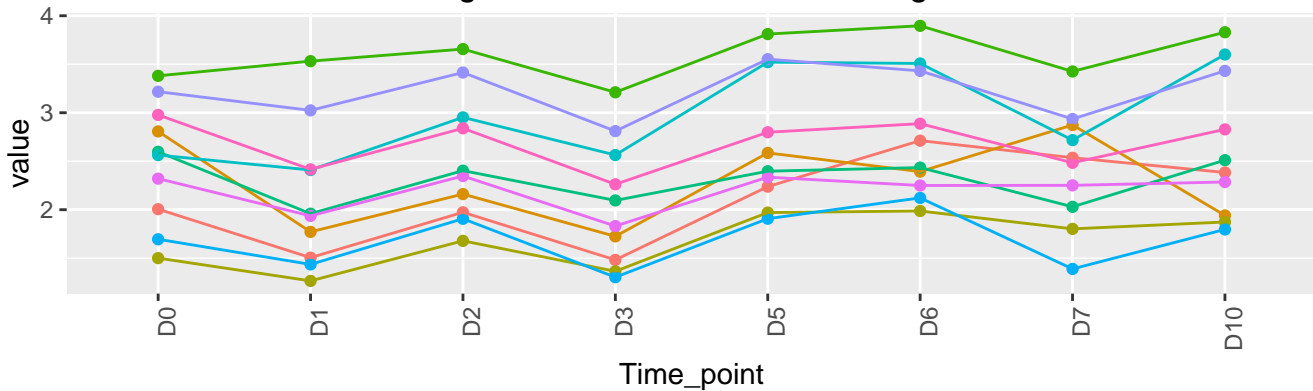
10 genes – WT-cluster-100-original



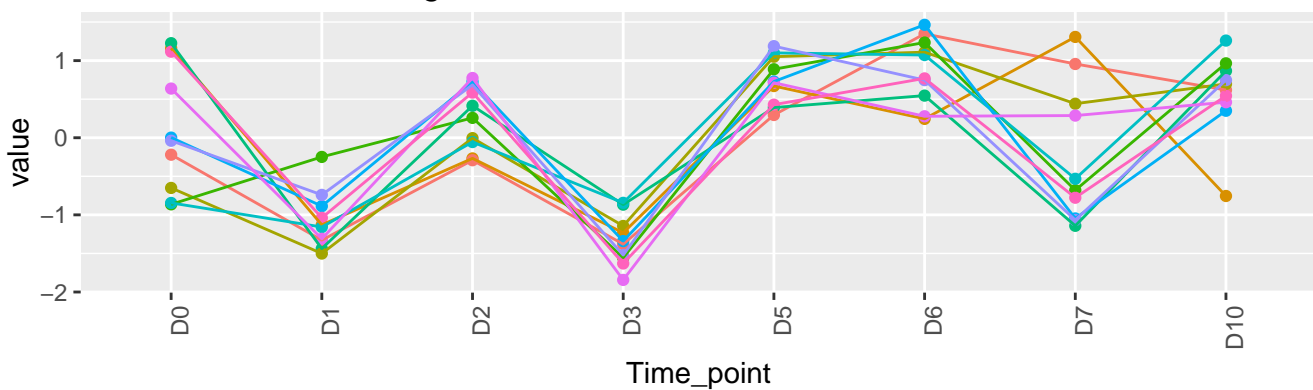
10 genes – WT-cluster-100-standardized



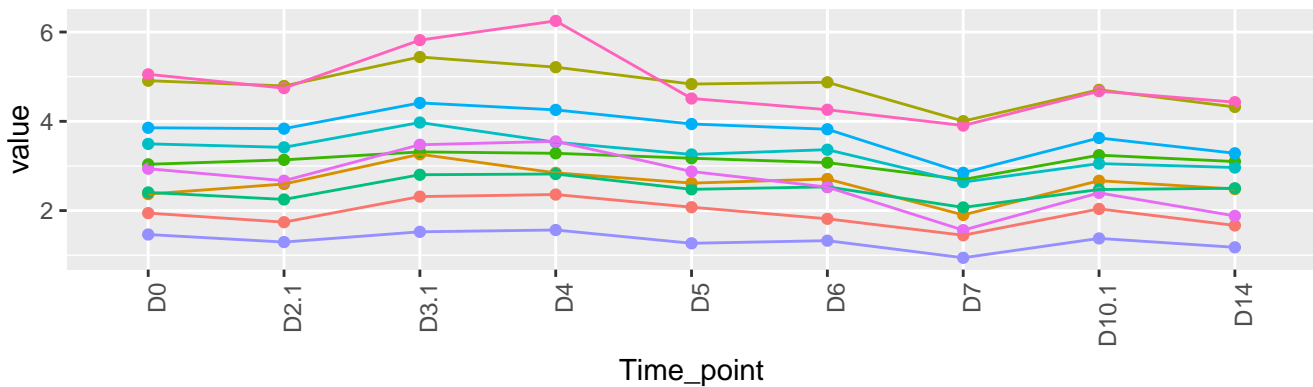
10 genes – KO-cluster-100-original



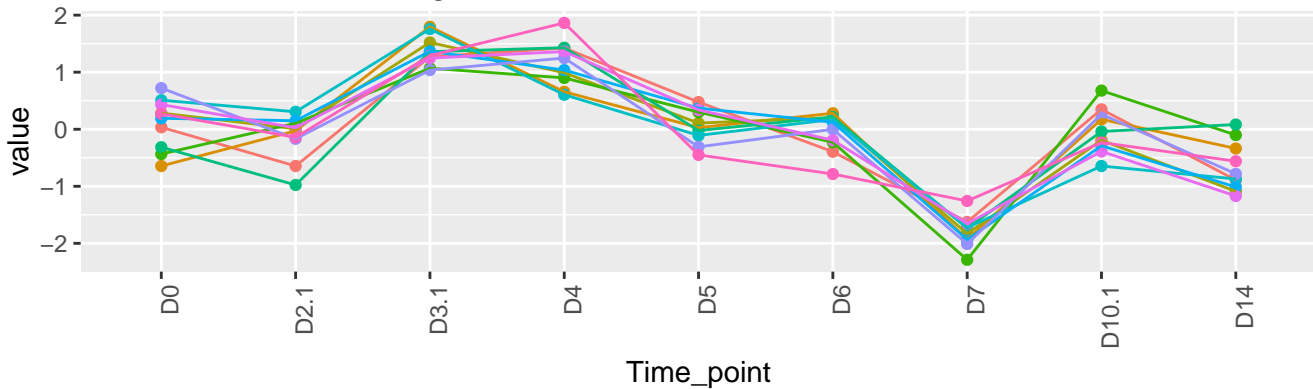
10 genes – KO-cluster-100-standardized



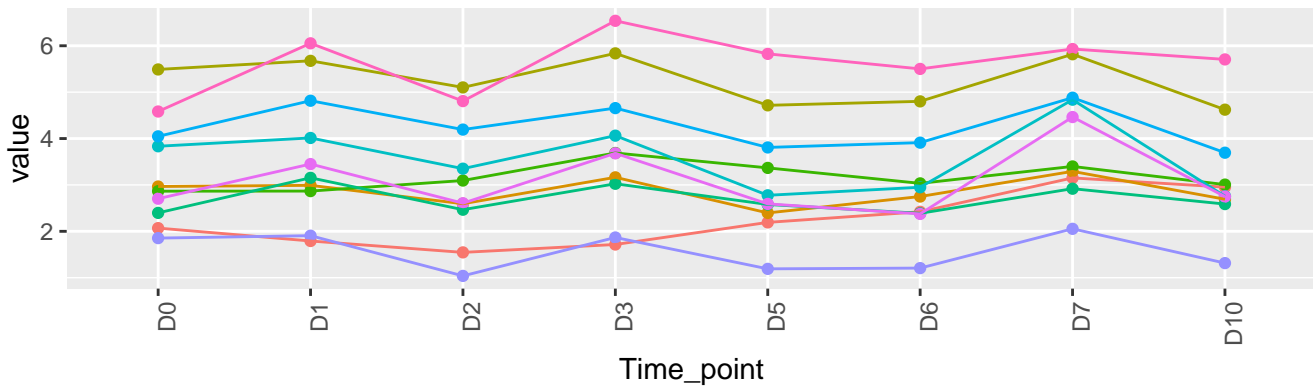
10 genes – WT-cluster-99-original



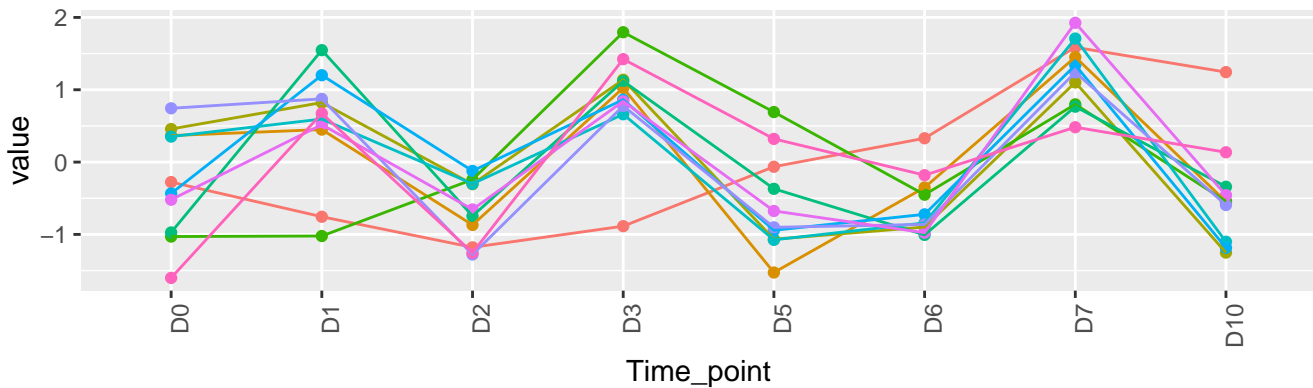
10 genes – WT-cluster-99-standardized



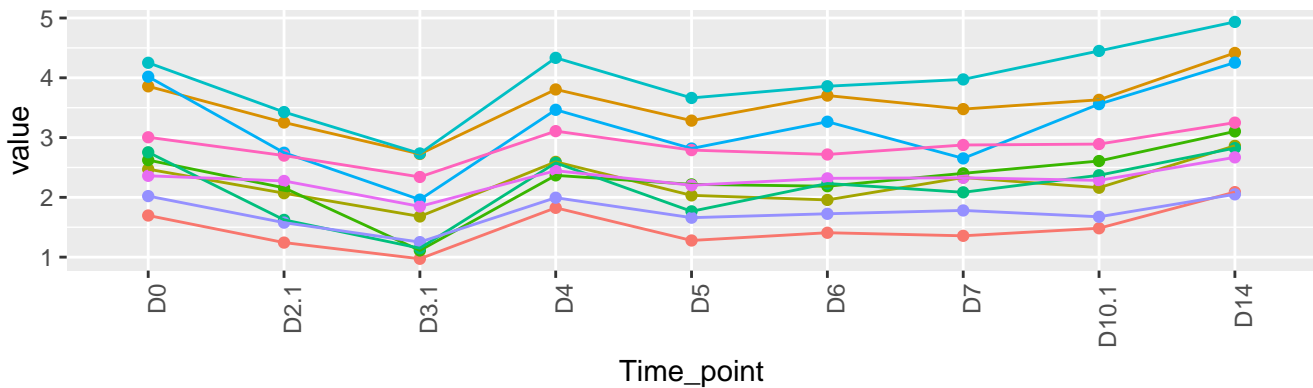
10 genes – KO-cluster-99-original



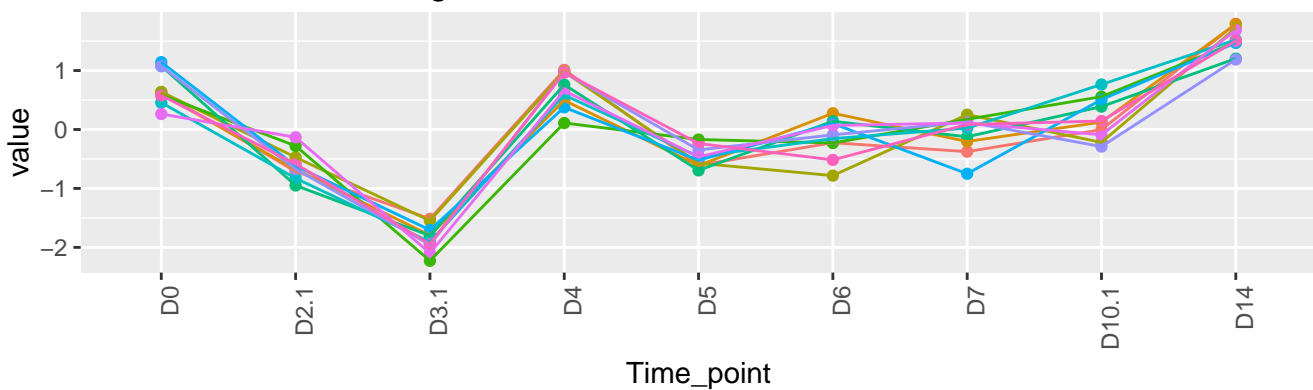
10 genes – KO-cluster-99-standardized



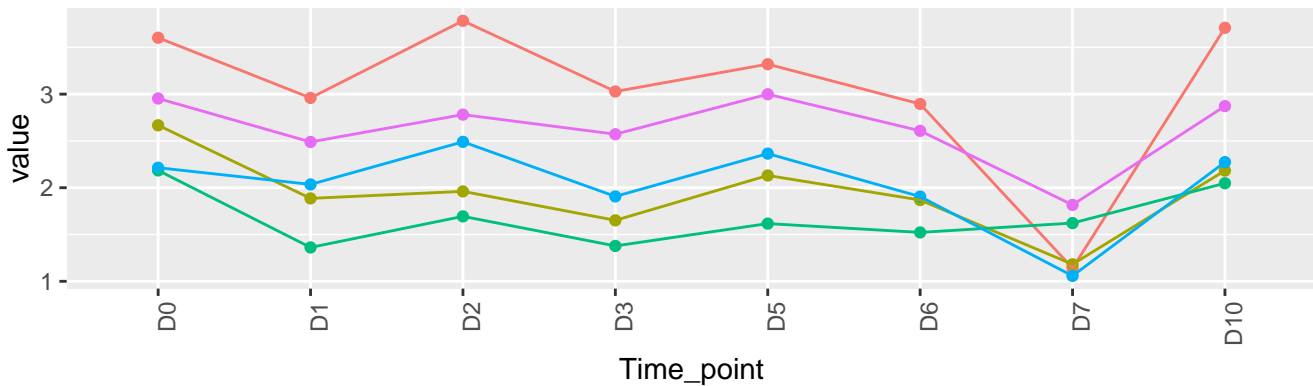
10 genes – WT-cluster-98-original



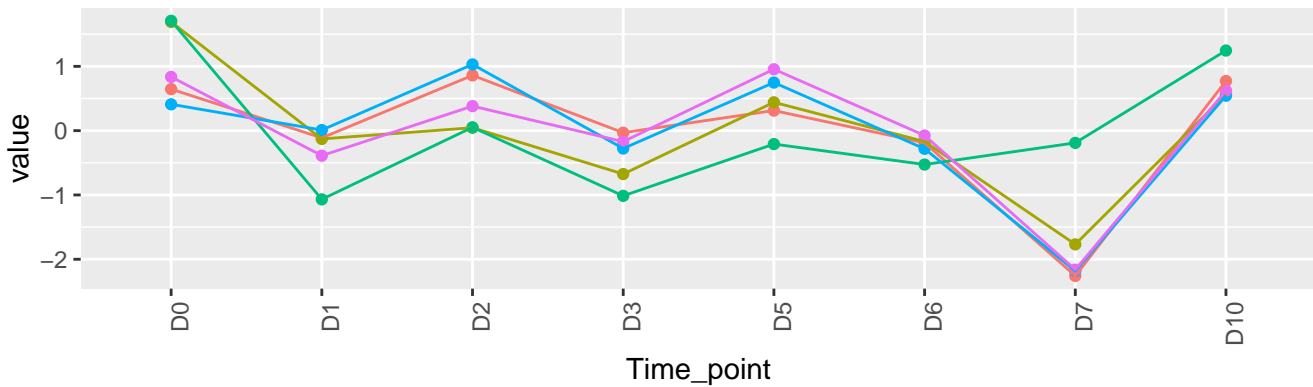
10 genes – WT-cluster-98-standardized



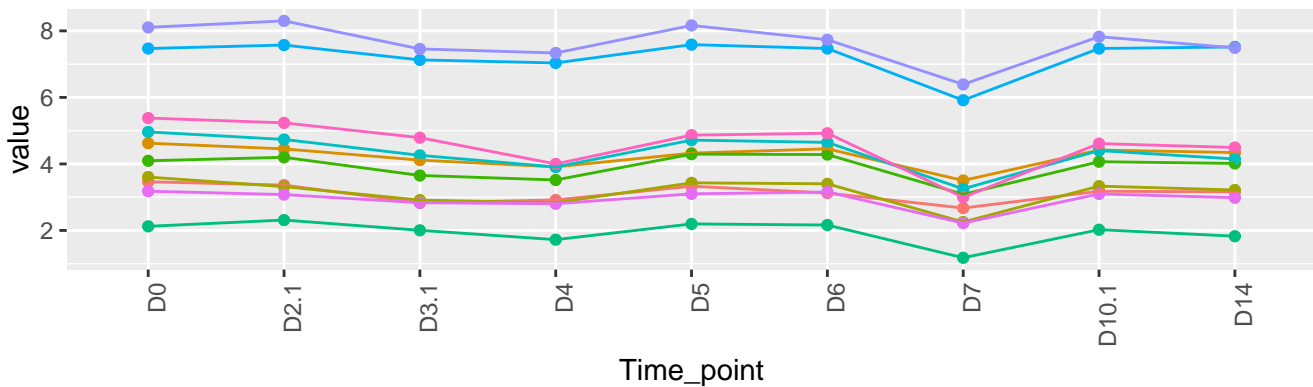
5 genes – KO-cluster-98-original



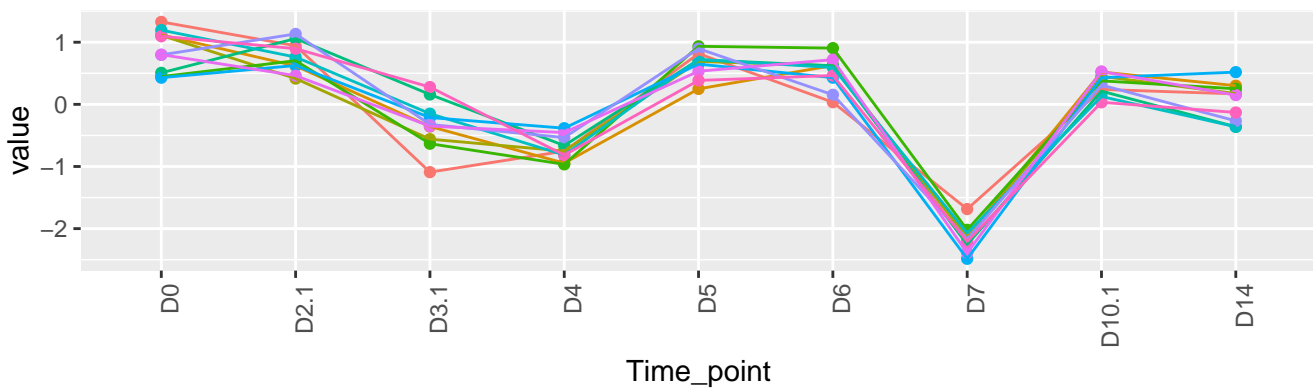
5 genes – KO-cluster-98-standardized



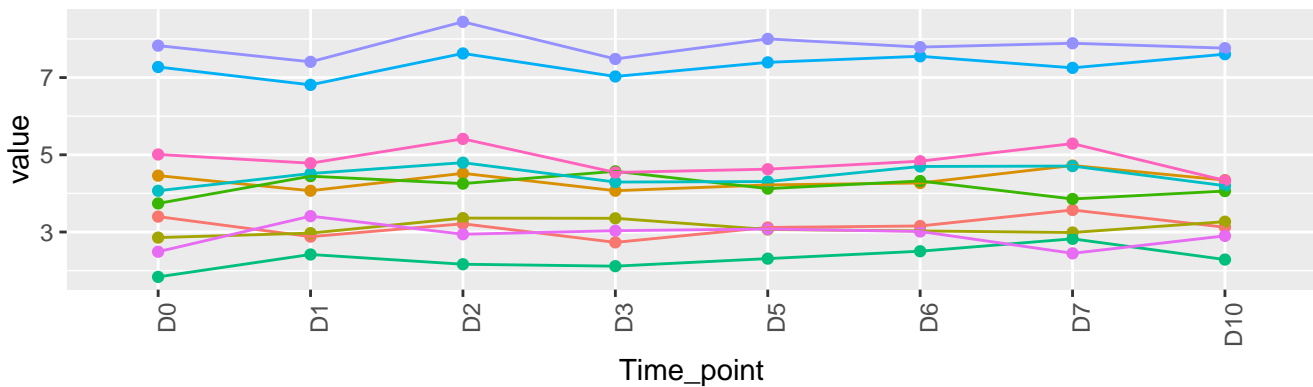
10 genes – WT-cluster-97-original



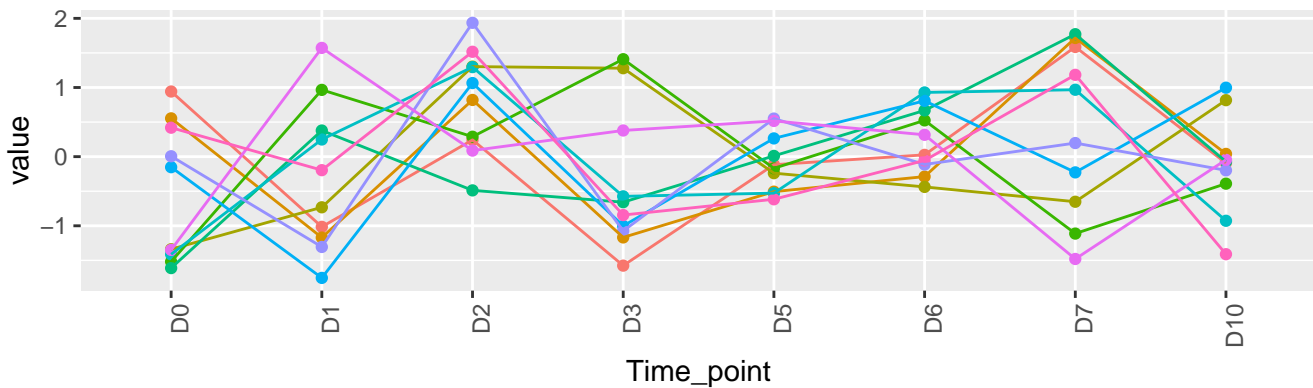
10 genes – WT-cluster-97-standardized



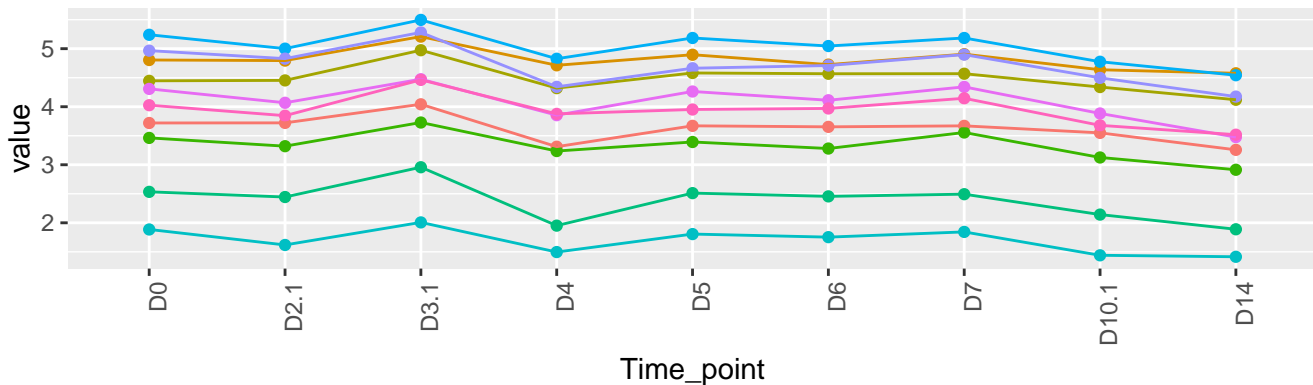
10 genes – KO-cluster-97-original



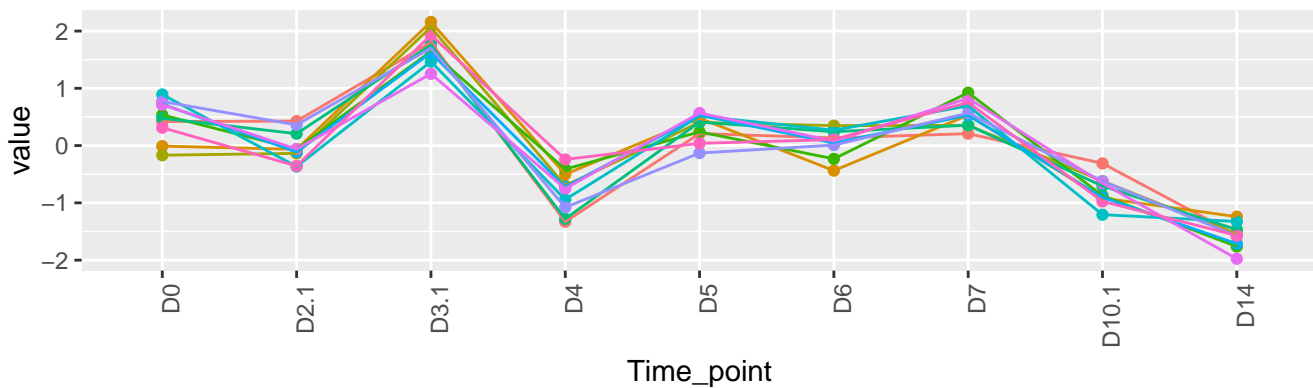
10 genes – KO-cluster-97-standardized



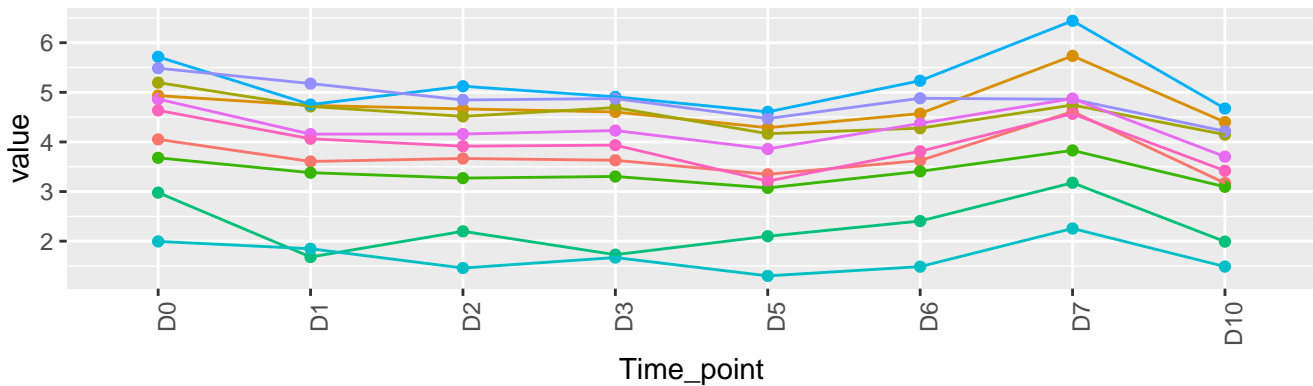
10 genes – WT-cluster-96-original



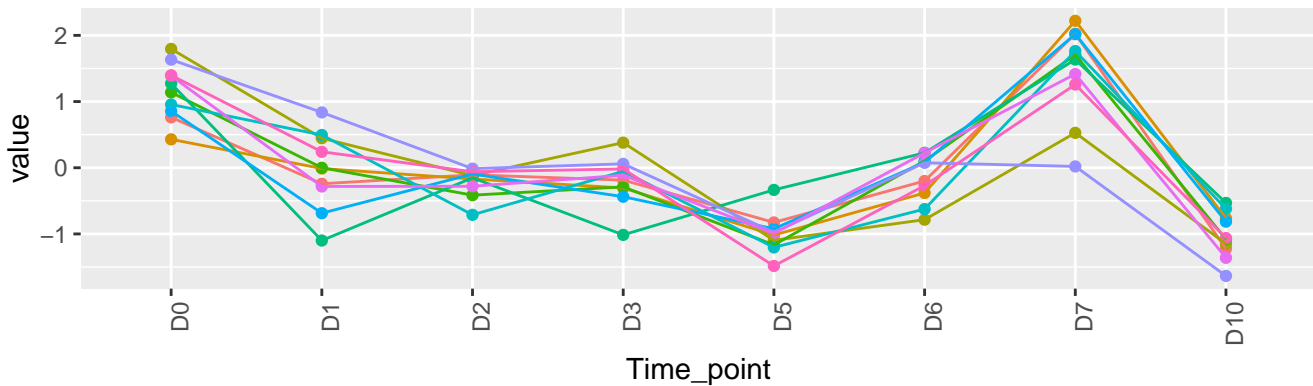
10 genes – WT-cluster-96-standardized



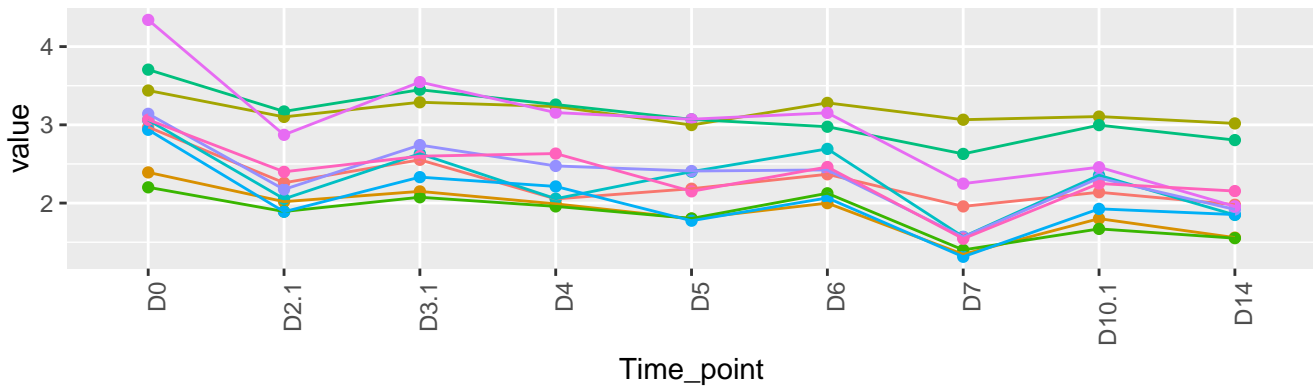
10 genes – KO-cluster-96–original



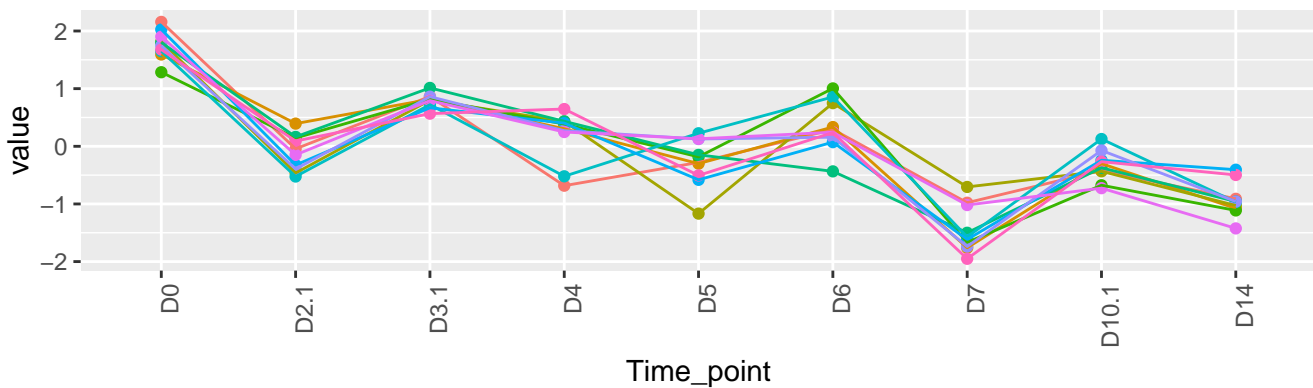
10 genes – KO-cluster-96–standardized



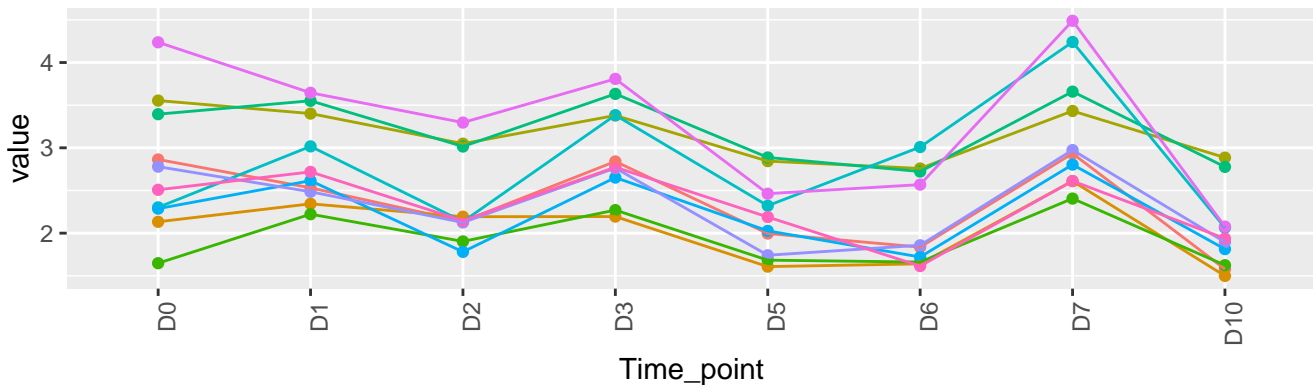
10 genes – WT-cluster-95-original



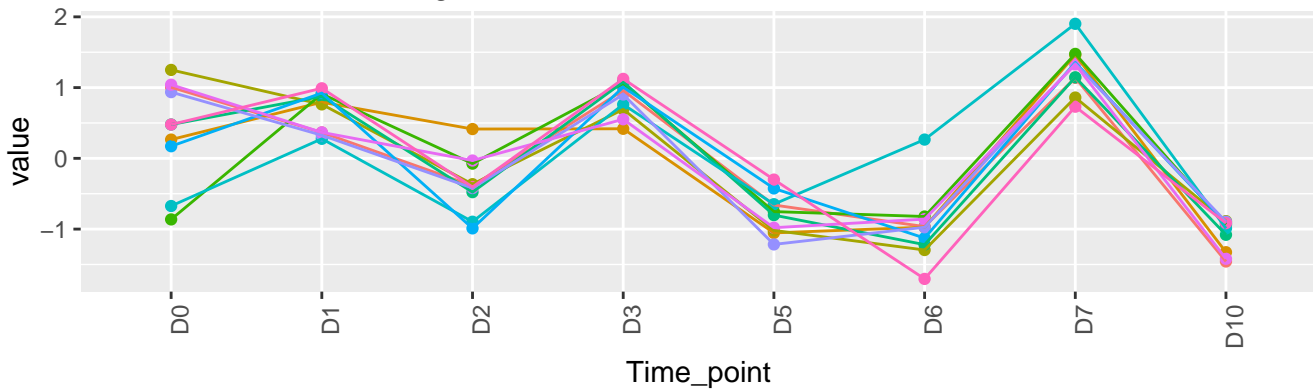
10 genes – WT-cluster-95-standardized



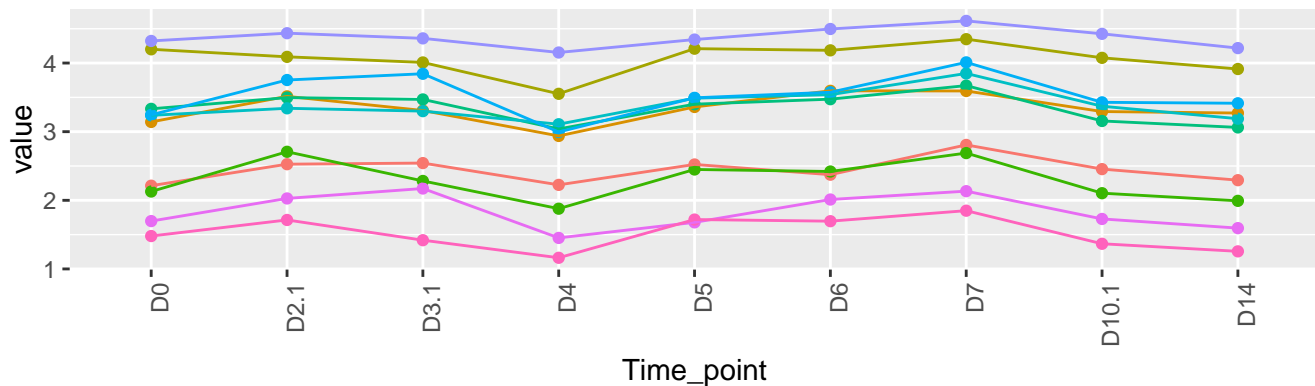
10 genes – KO-cluster-95-original



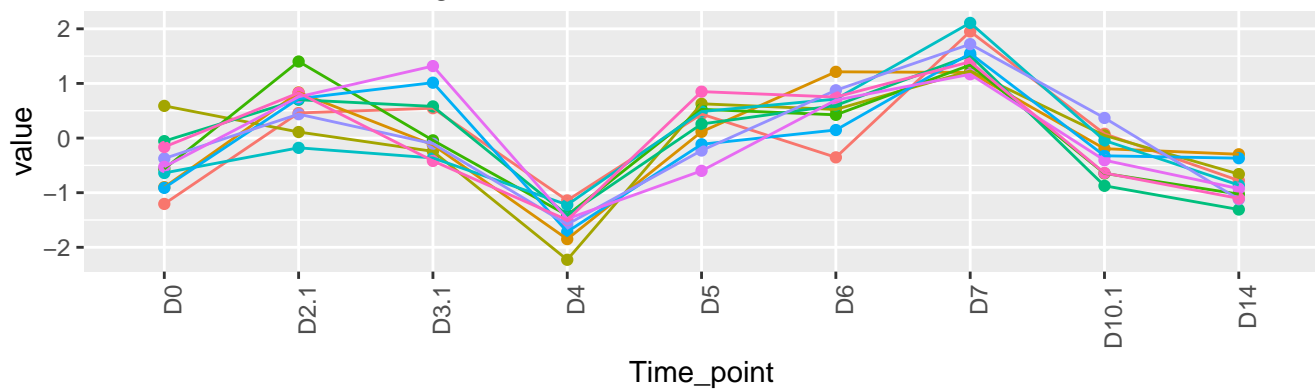
10 genes – KO-cluster-95-standardized



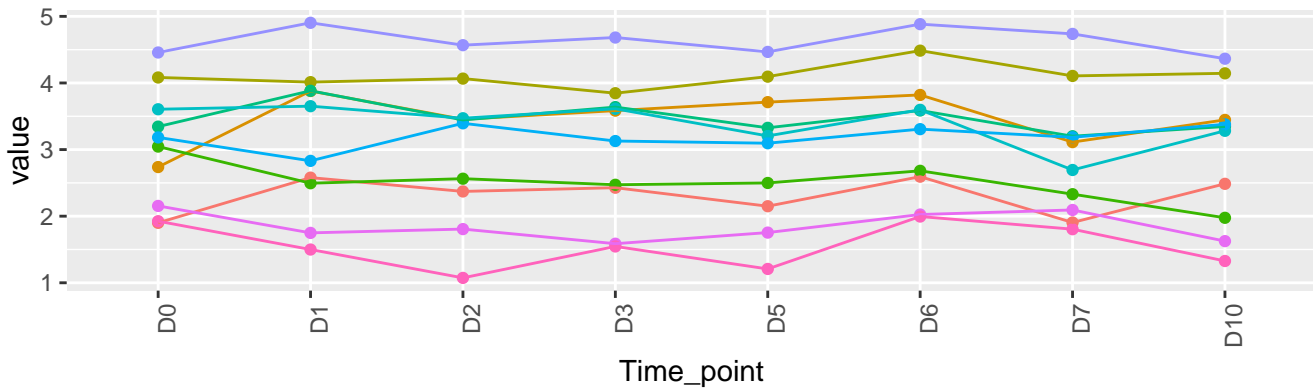
10 genes – WT-cluster-94-original



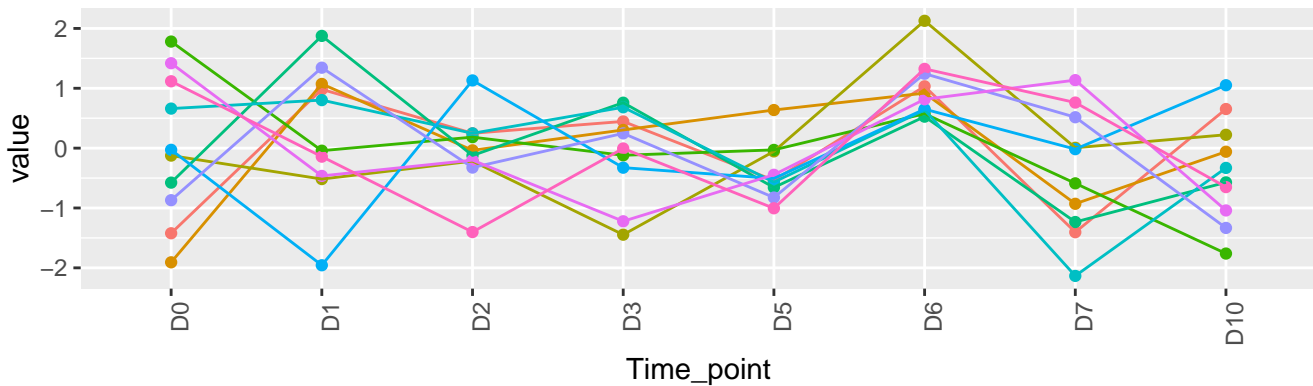
10 genes – WT-cluster-94-standardized



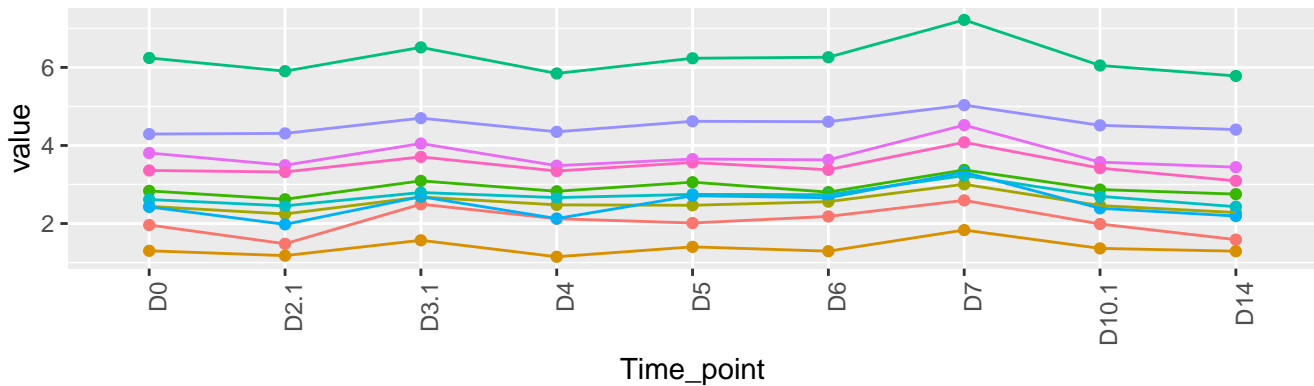
10 genes – KO-cluster-94–original



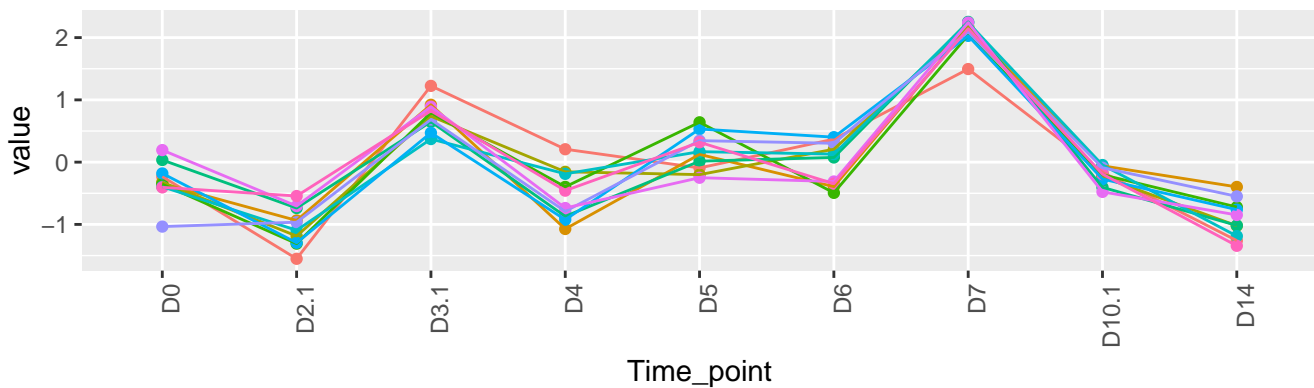
10 genes – KO-cluster-94–standardized



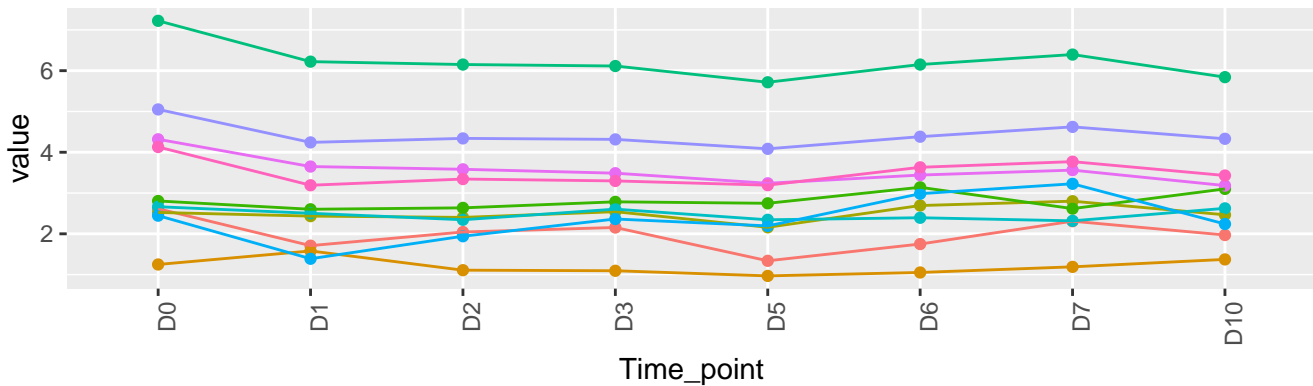
10 genes – WT-cluster-93-original



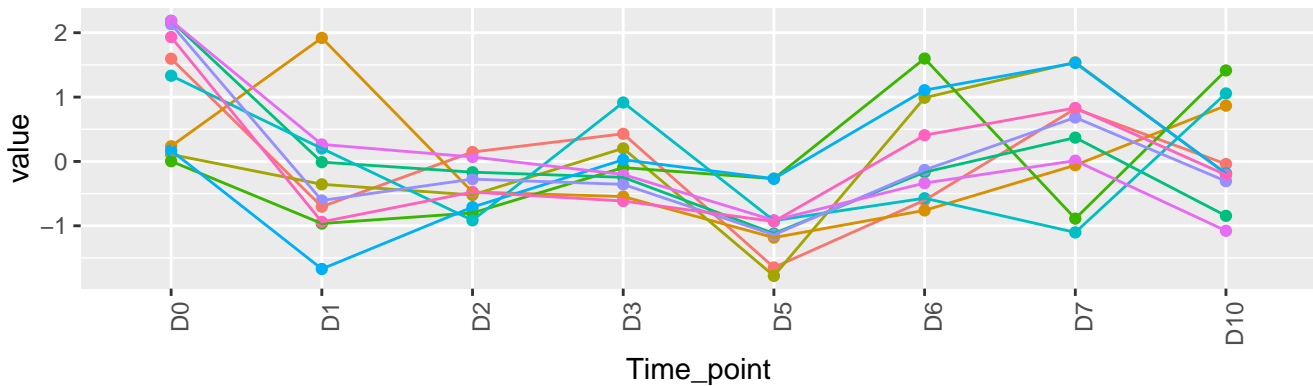
10 genes – WT-cluster-93-standardized



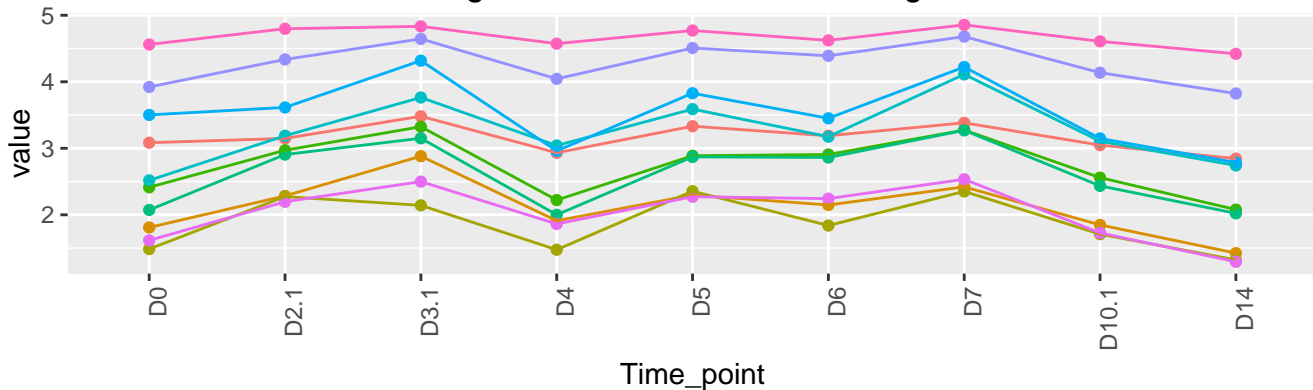
10 genes – KO-cluster-93–original



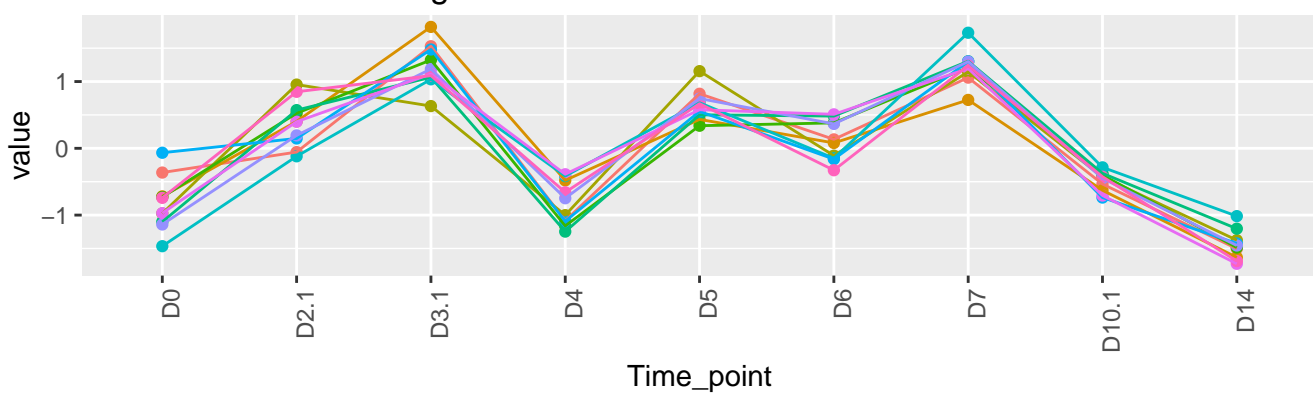
10 genes – KO-cluster-93–standardized



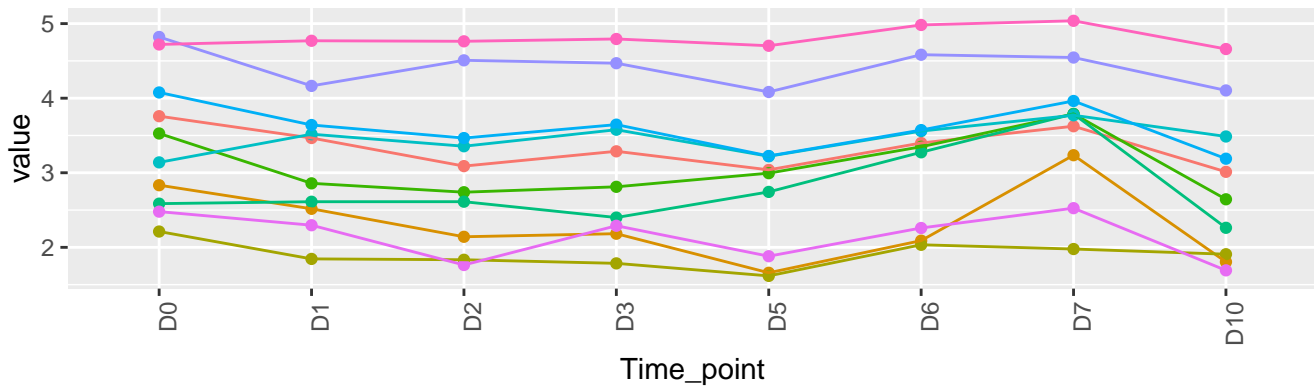
10 genes – WT-cluster-92-original



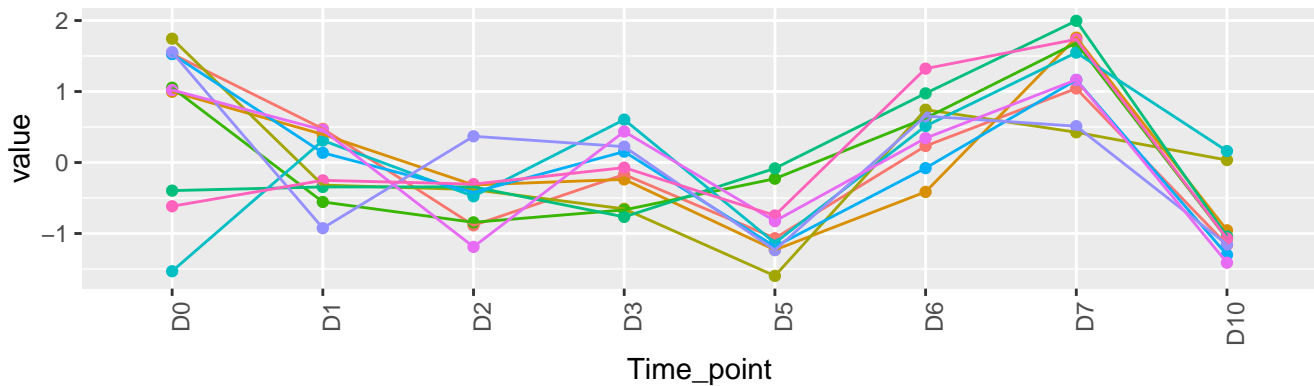
10 genes – WT-cluster-92-standardized



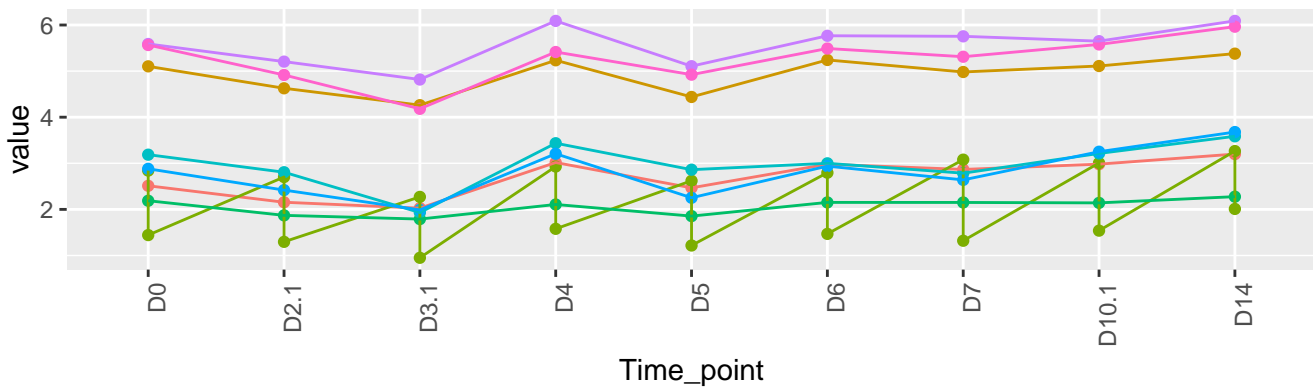
10 genes – KO-cluster-92-original



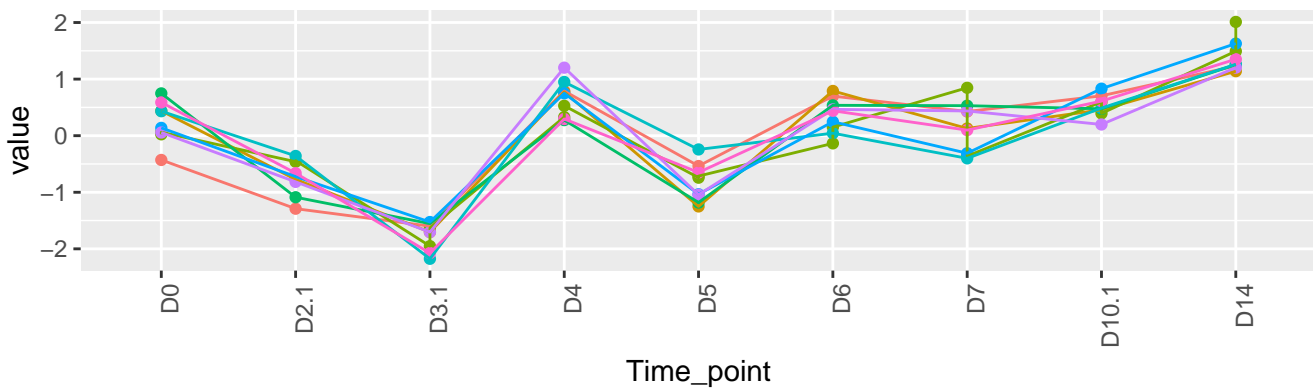
10 genes – KO-cluster-92-standardized



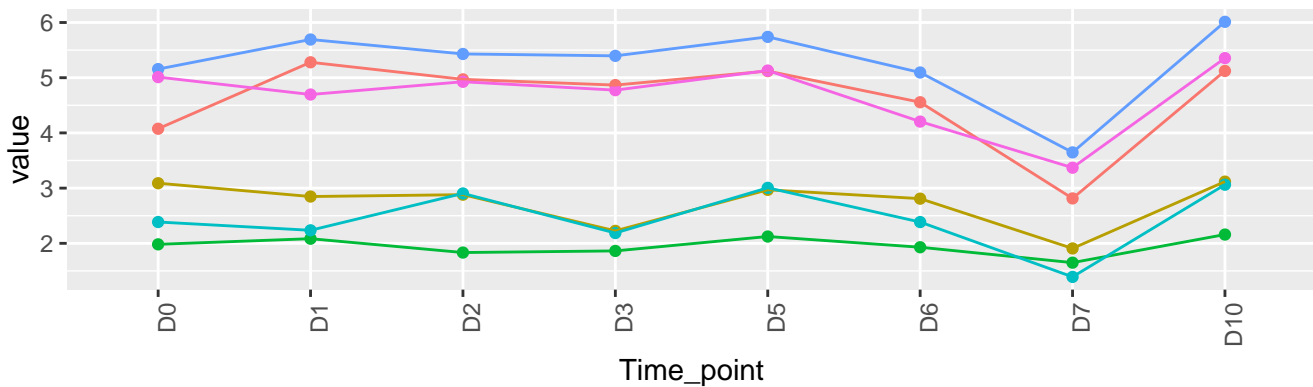
9 genes – WT-cluster-91-original



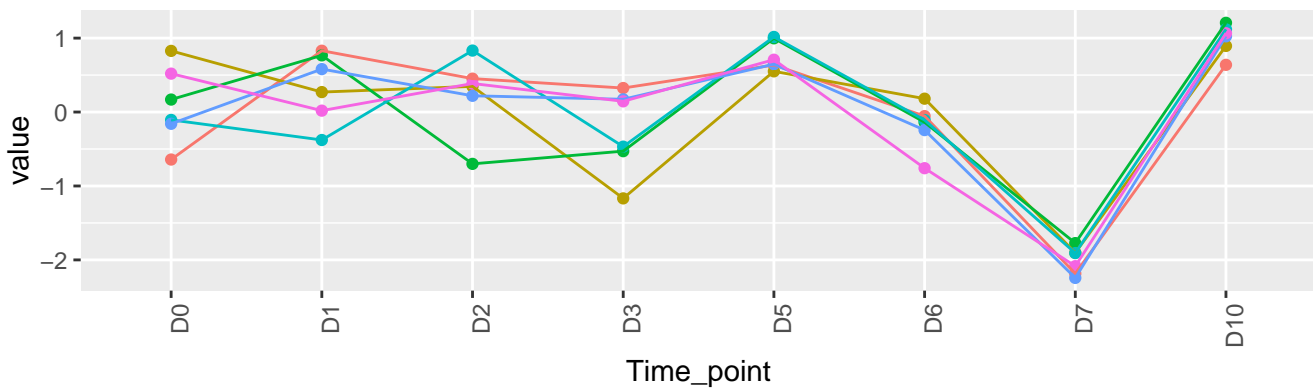
9 genes – WT-cluster-91-standardized



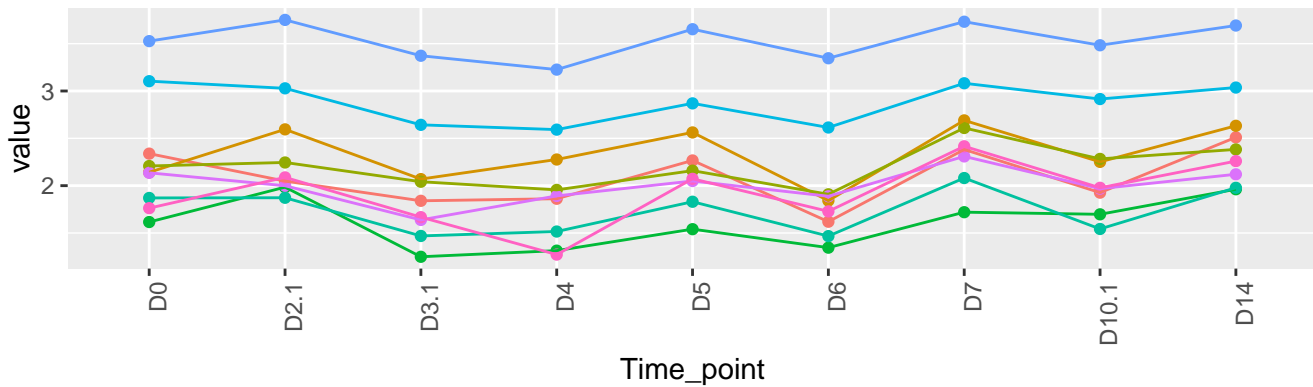
6 genes – KO-cluster-91-original



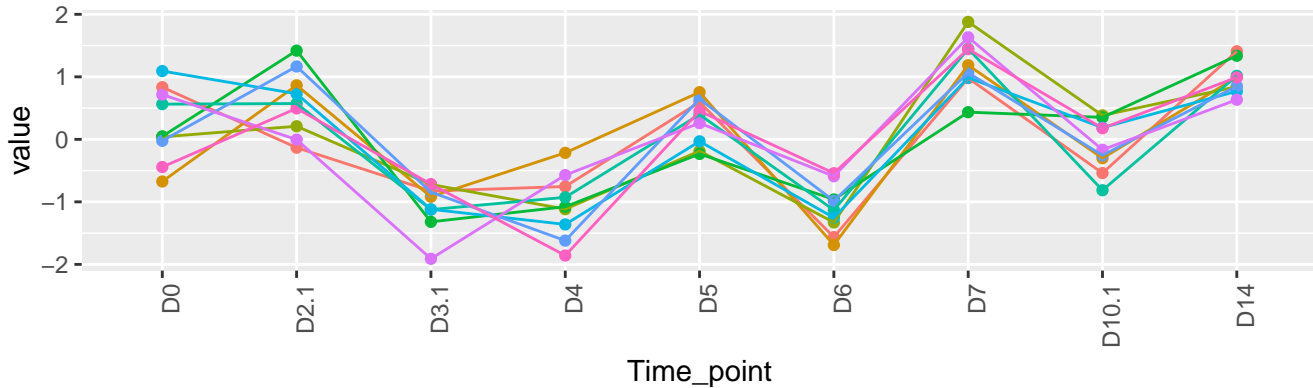
6 genes – KO-cluster-91-standardized



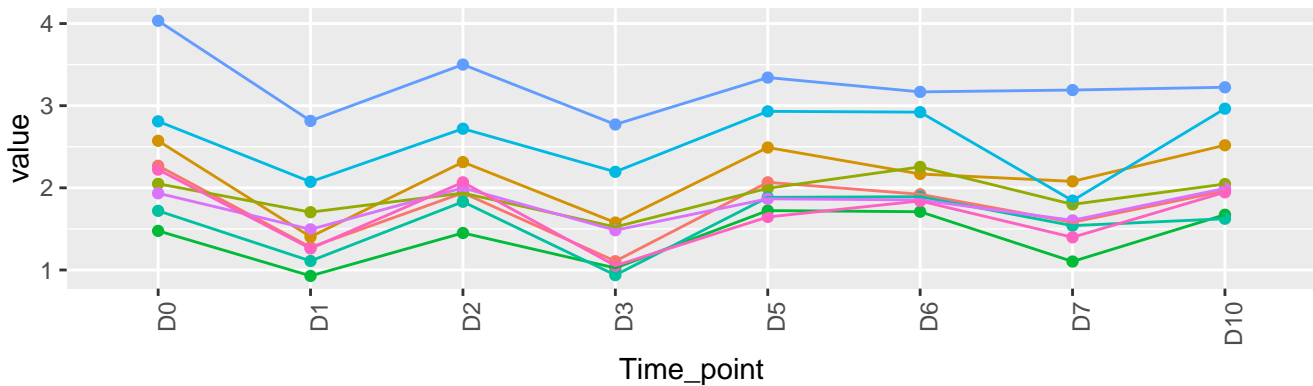
9 genes – WT-cluster-90-original



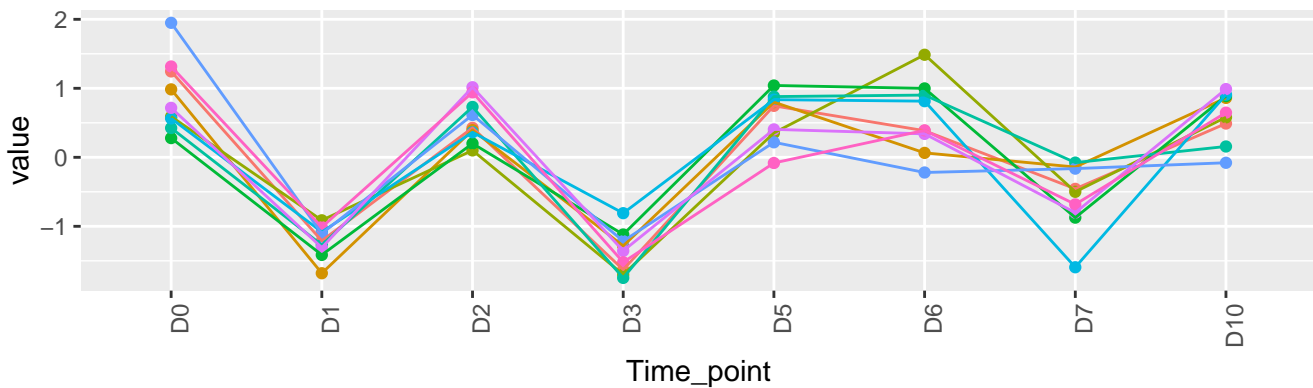
9 genes – WT-cluster-90-standardized



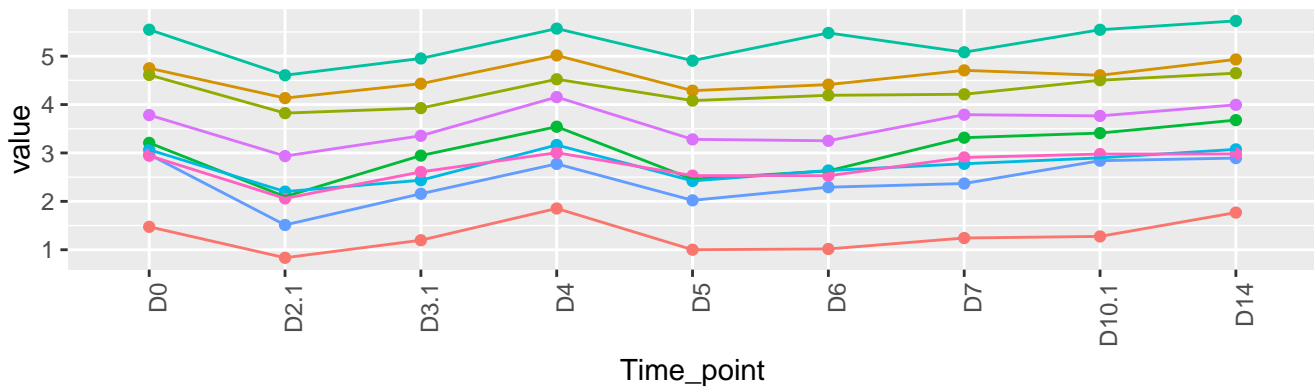
9 genes – KO-cluster-90-original



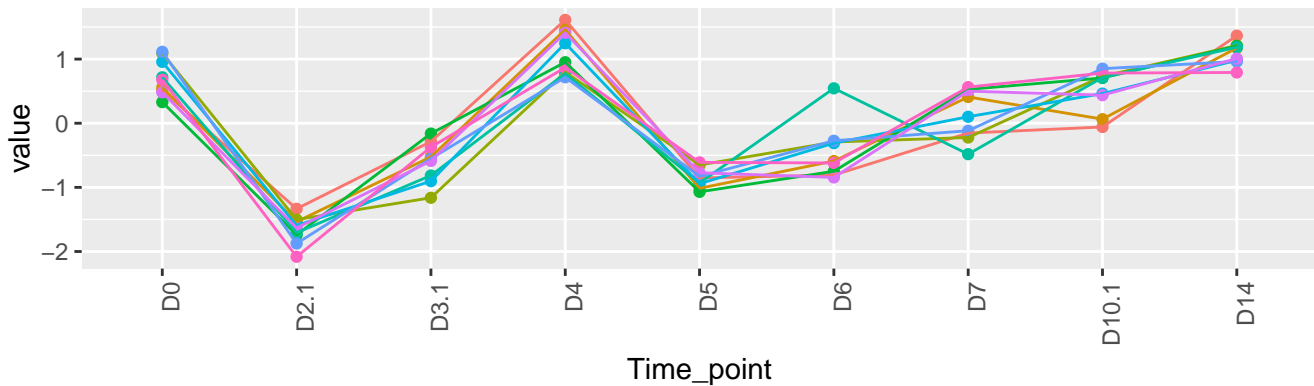
9 genes – KO-cluster-90-standardized



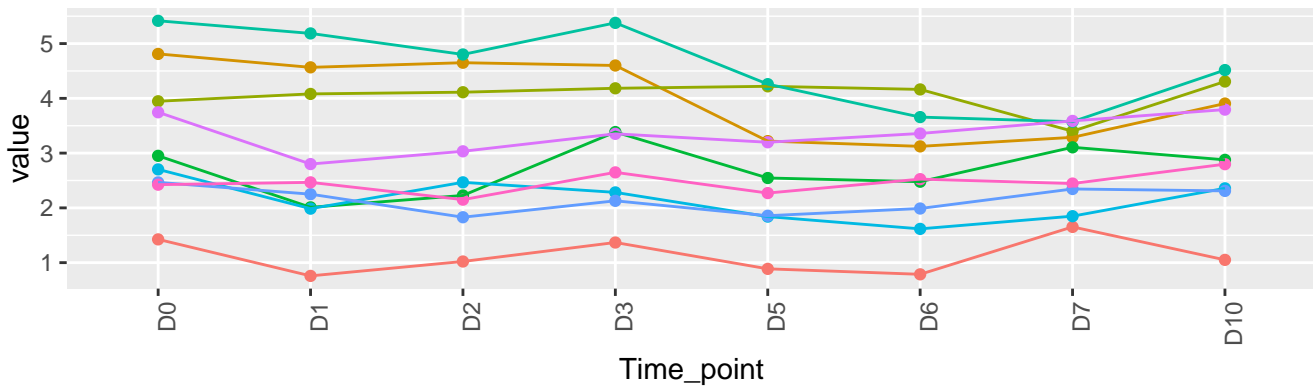
9 genes – WT-cluster-89-original



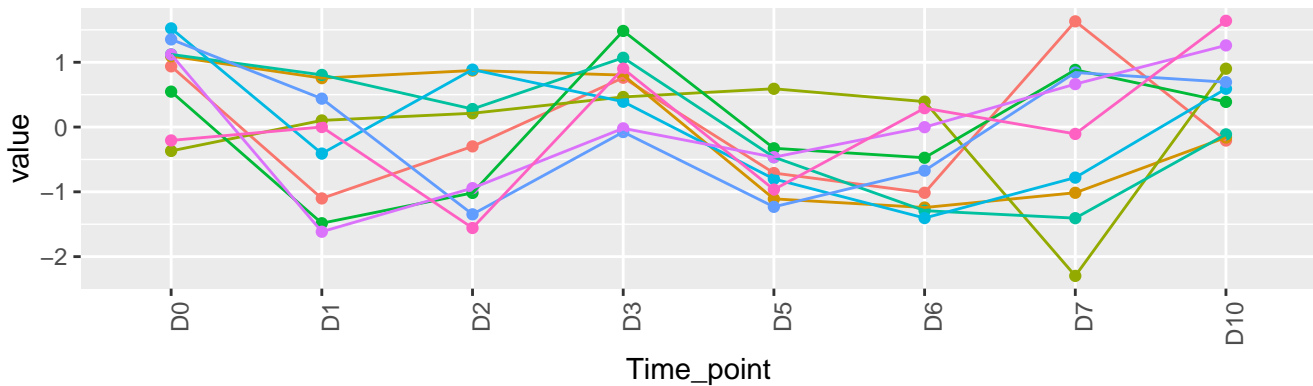
9 genes – WT-cluster-89-standardized



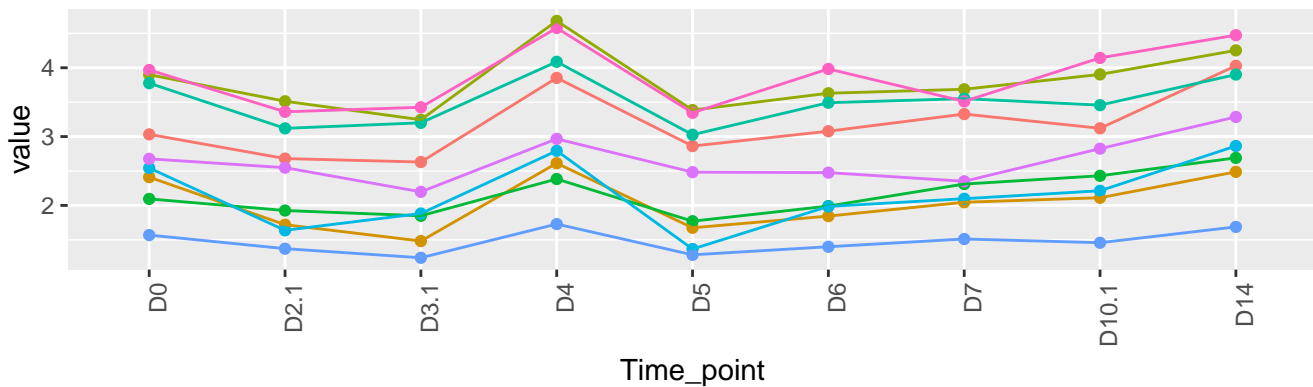
9 genes – KO-cluster-89-original



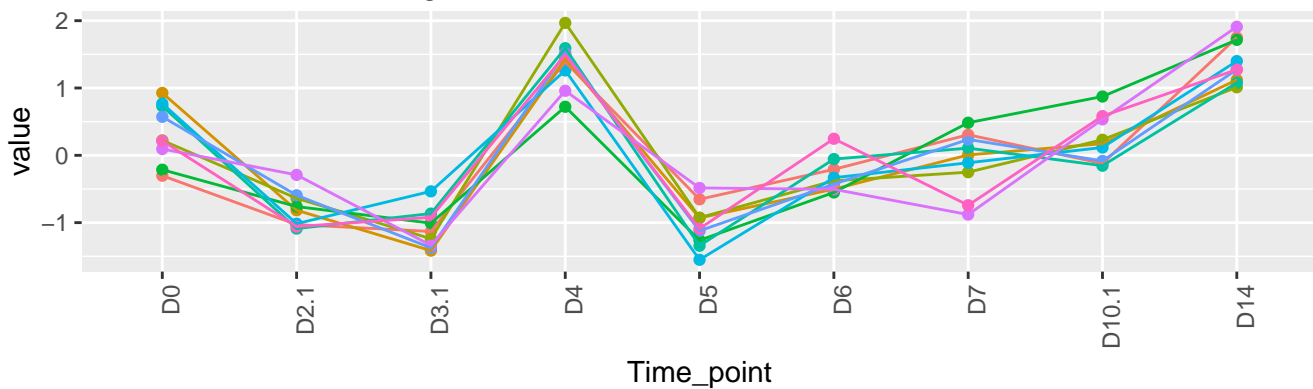
9 genes – KO-cluster-89-standardized



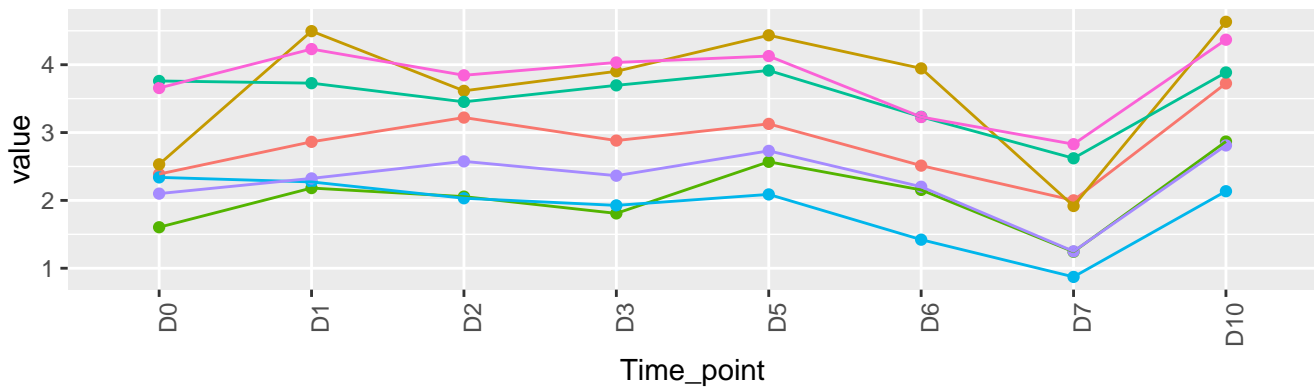
9 genes – WT-cluster-88-original



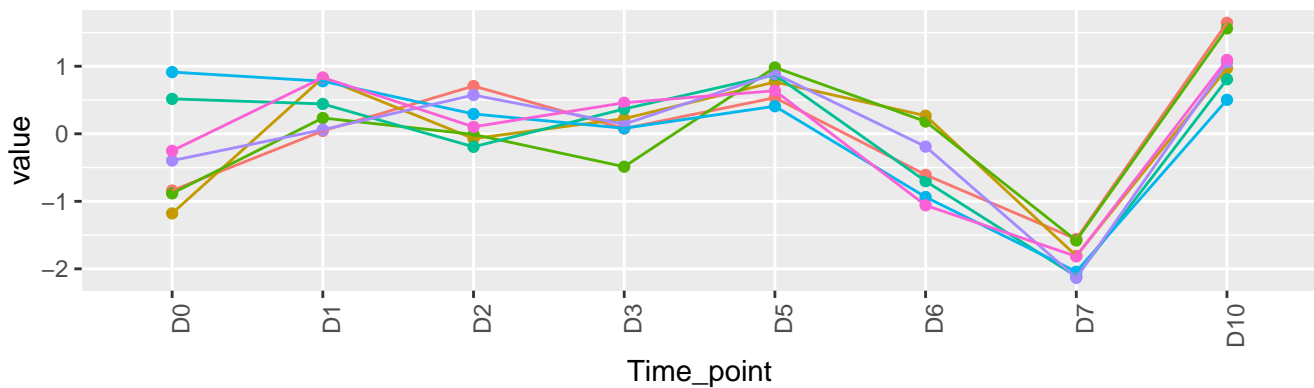
9 genes – WT-cluster-88-standardized



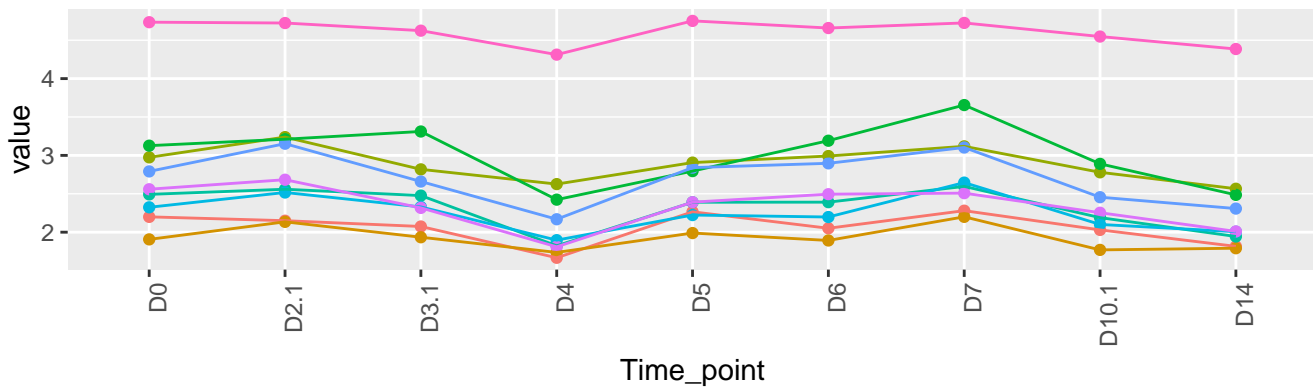
7 genes – KO-cluster-88-original



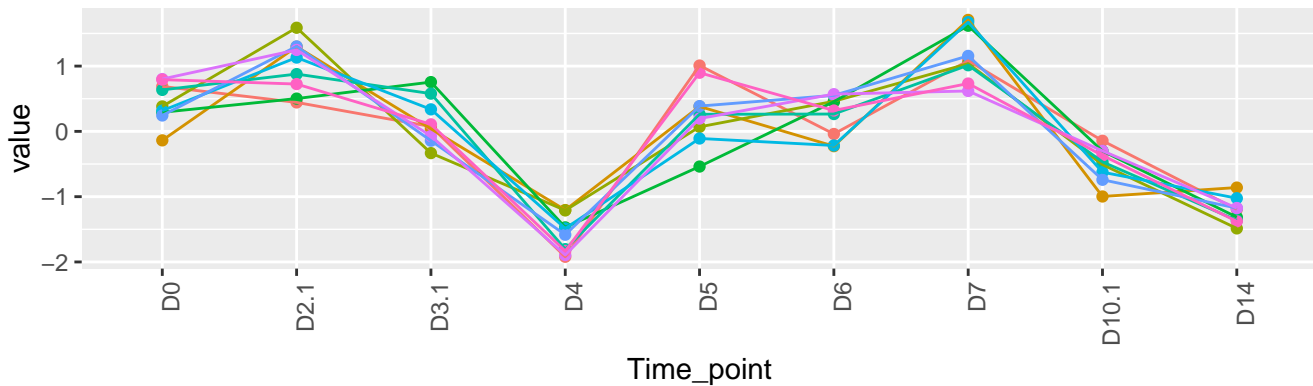
7 genes – KO-cluster-88-standardized



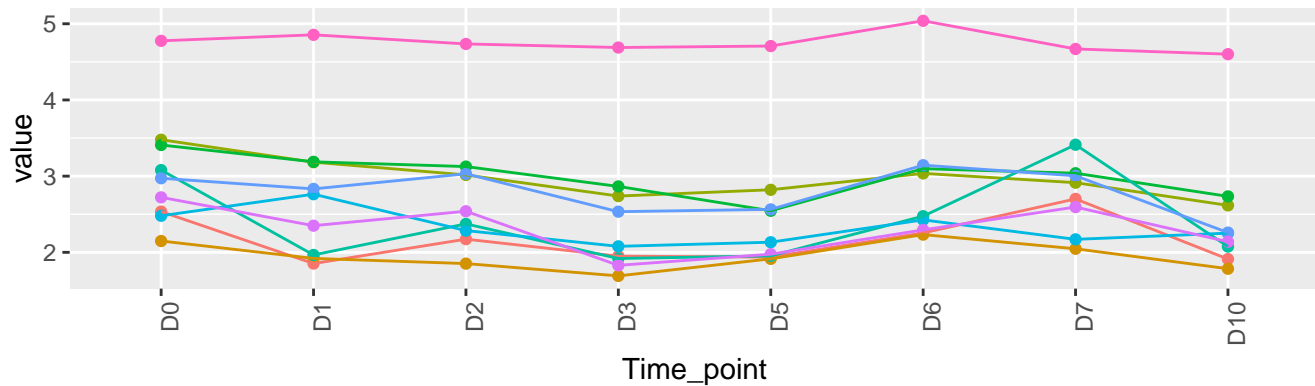
9 genes – WT-cluster-87-original



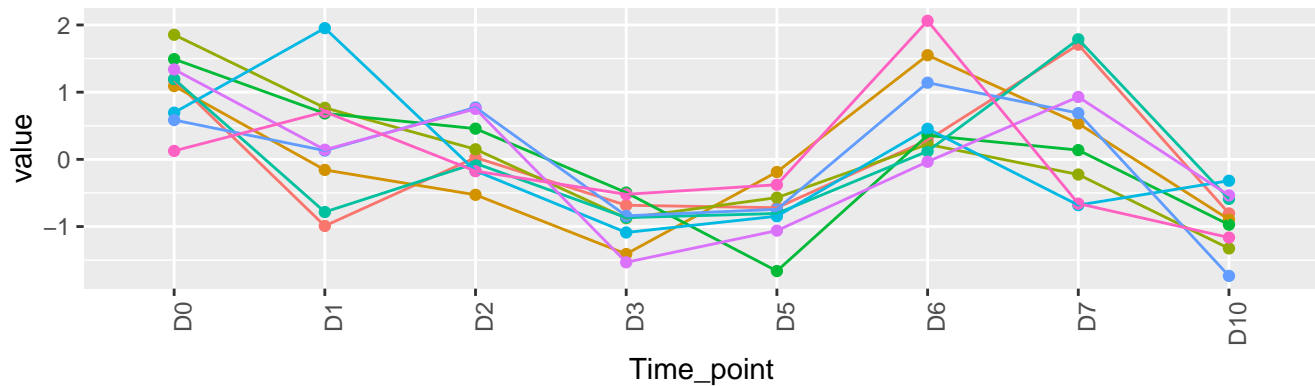
9 genes – WT-cluster-87-standardized



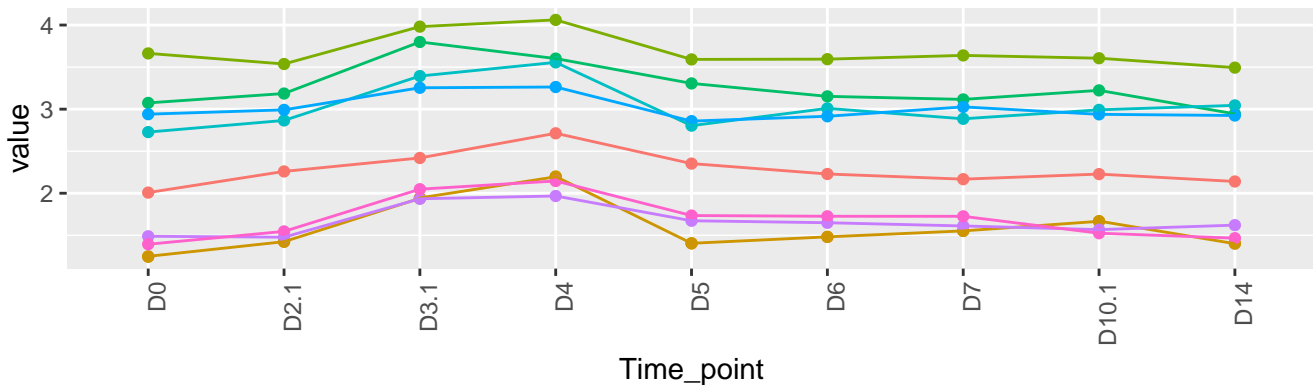
9 genes – KO-cluster-87-original



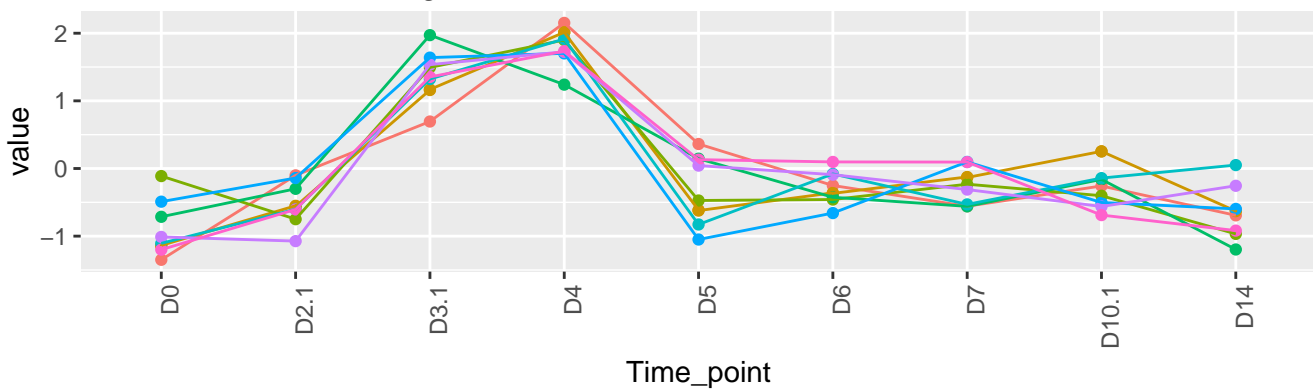
9 genes – KO-cluster-87-standardized



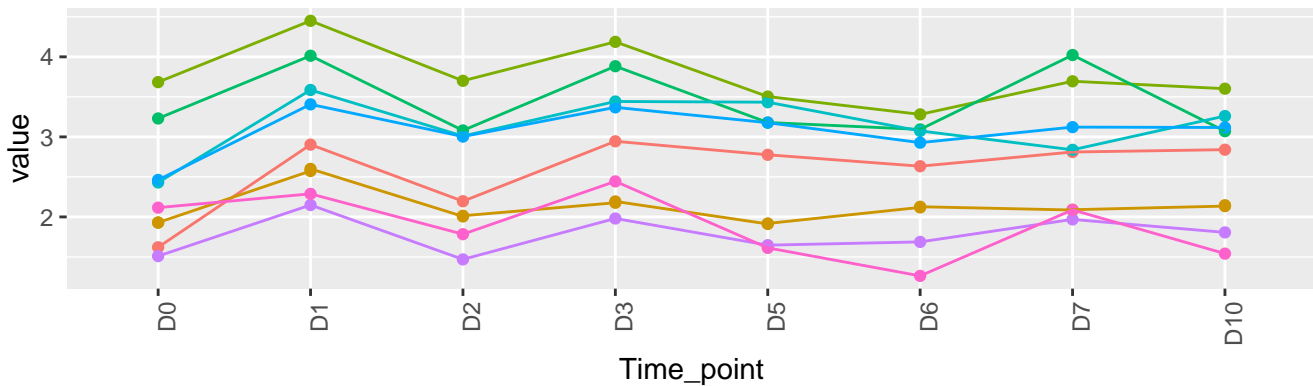
9 genes – WT-cluster-86-original



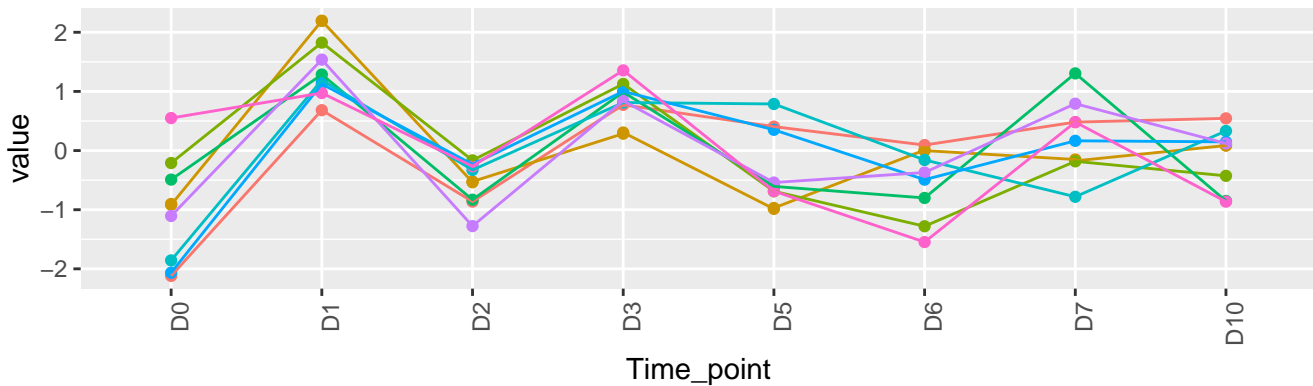
9 genes – WT-cluster-86-standardized



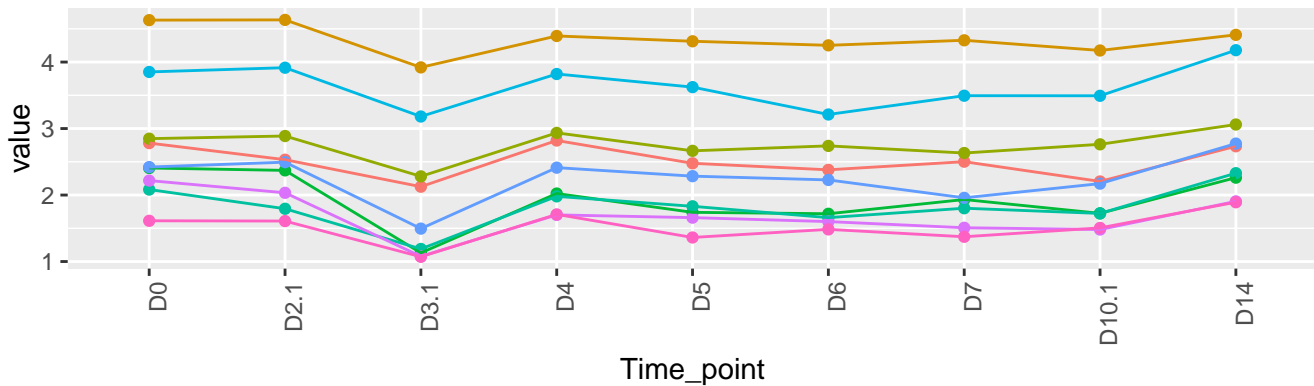
9 genes – KO-cluster-86-original



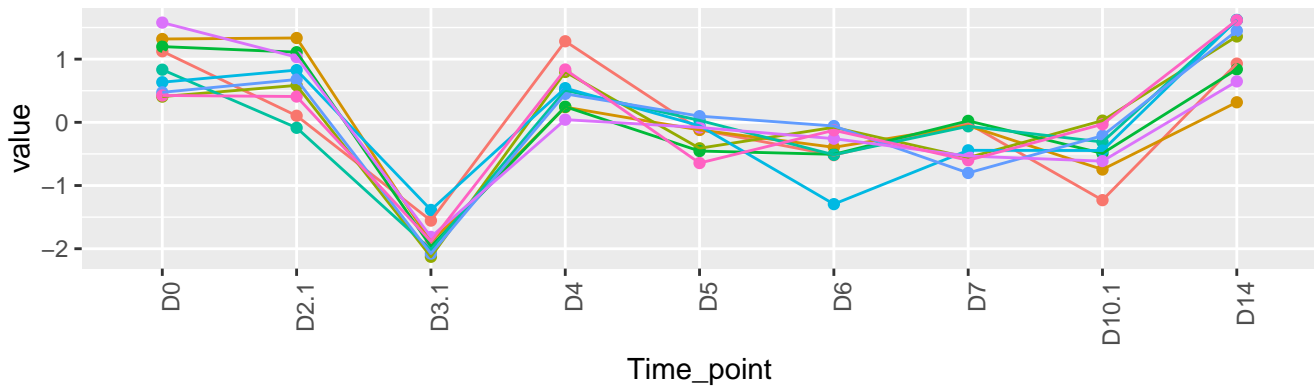
9 genes – KO-cluster-86-standardized



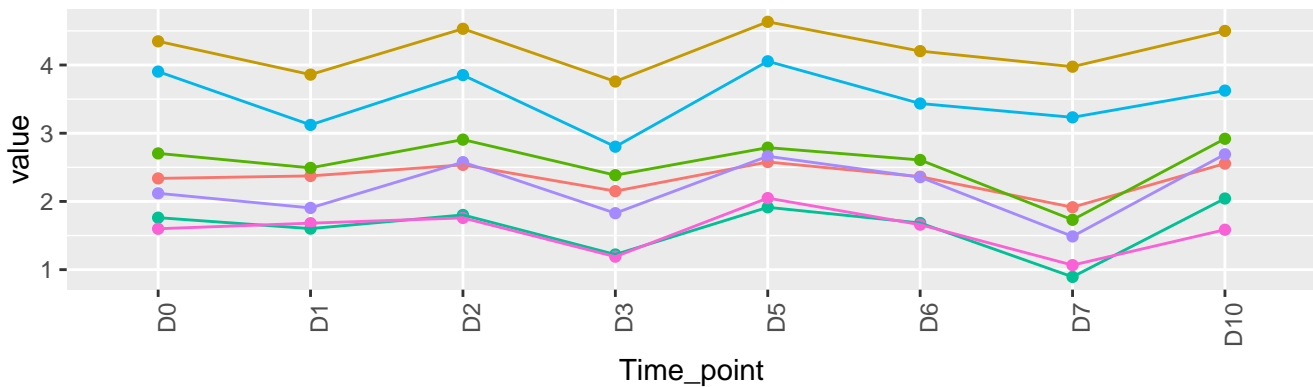
9 genes – WT-cluster-85-original



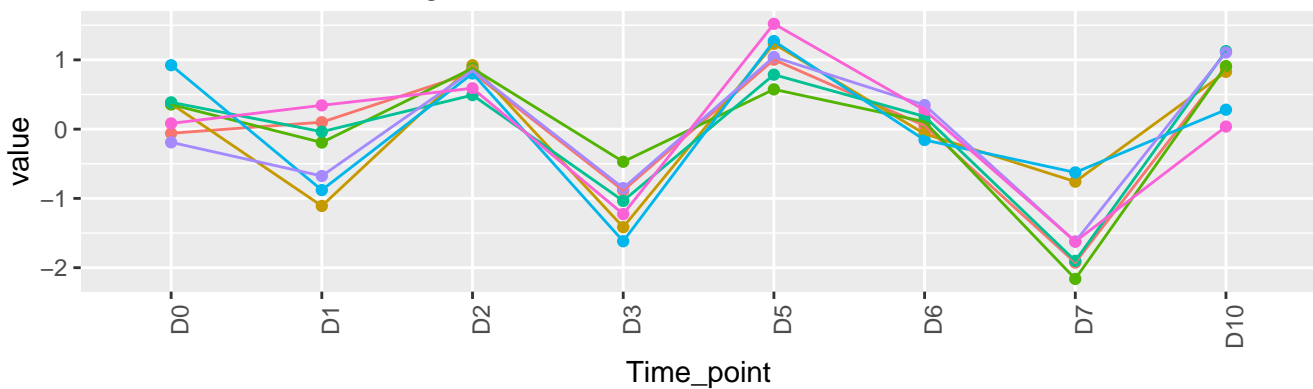
9 genes – WT-cluster-85-standardized



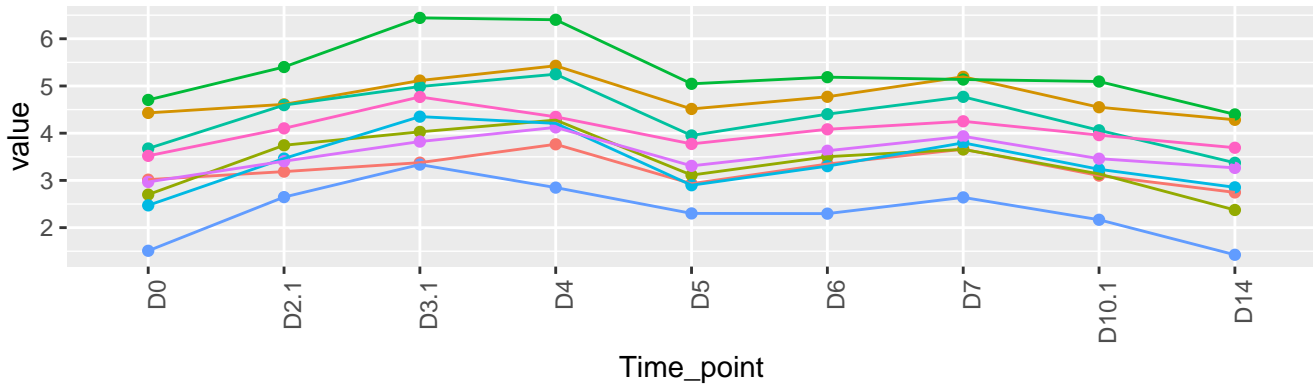
7 genes – KO-cluster-85-original



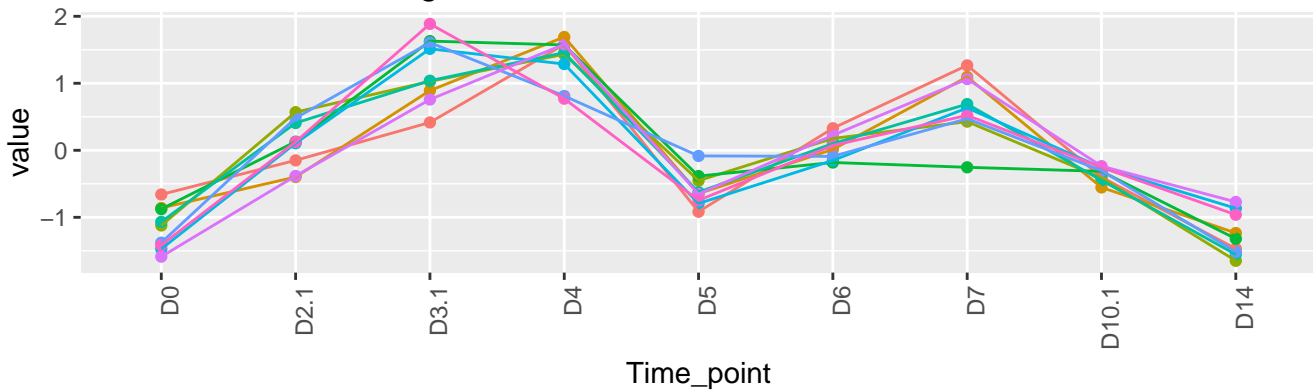
7 genes – KO-cluster-85-standardized



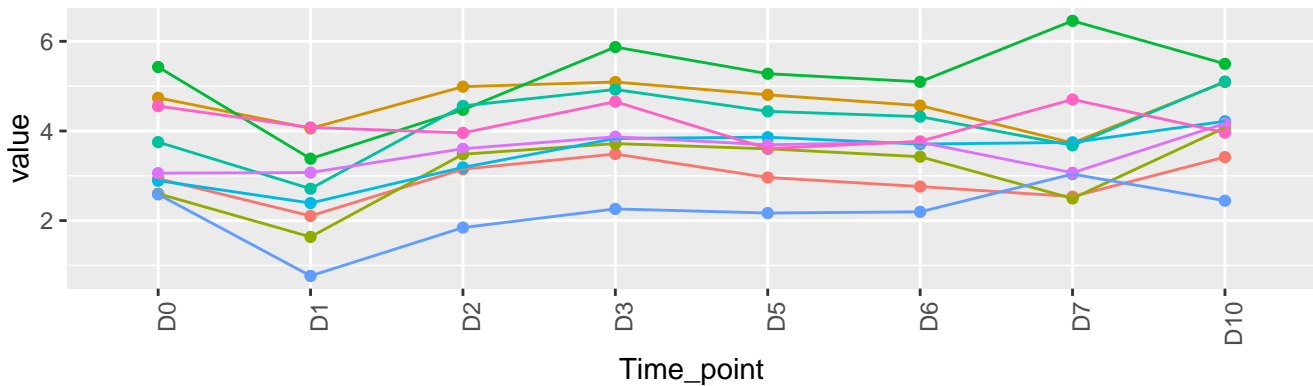
9 genes – WT-cluster-84-original



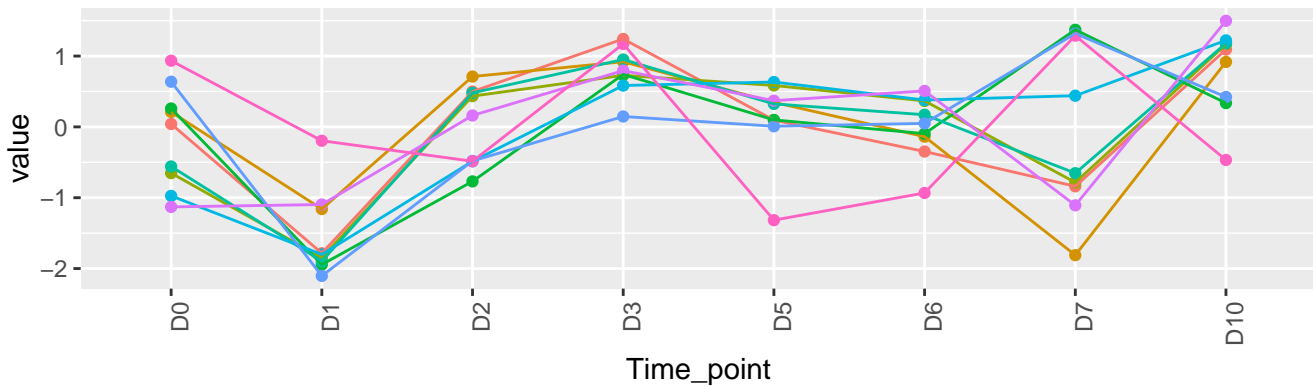
9 genes – WT-cluster-84-standardized



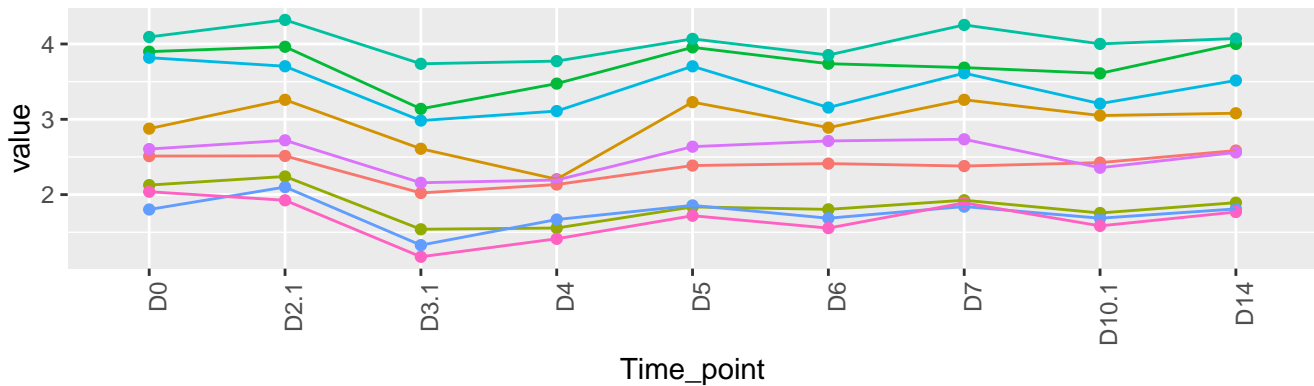
9 genes – KO-cluster-84-original



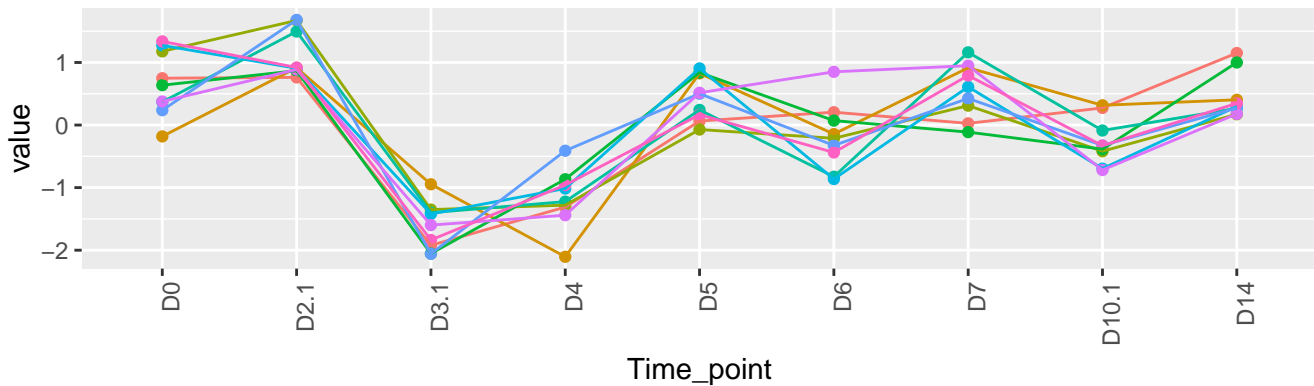
9 genes – KO-cluster-84-standardized



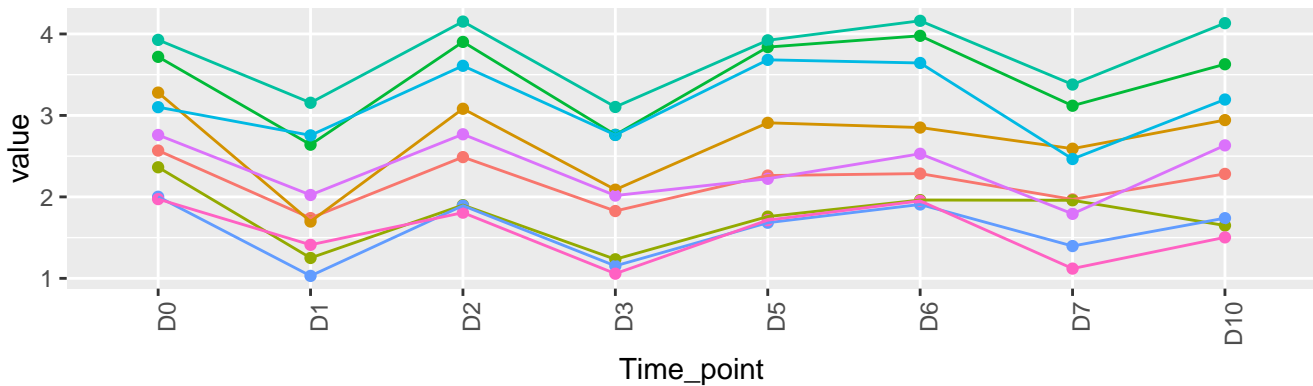
9 genes – WT-cluster-83-original



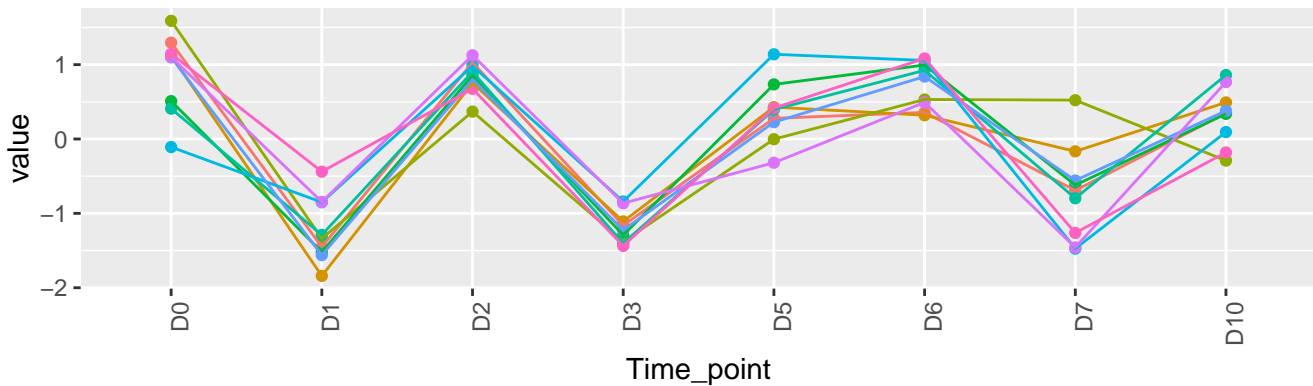
9 genes – WT-cluster-83-standardized



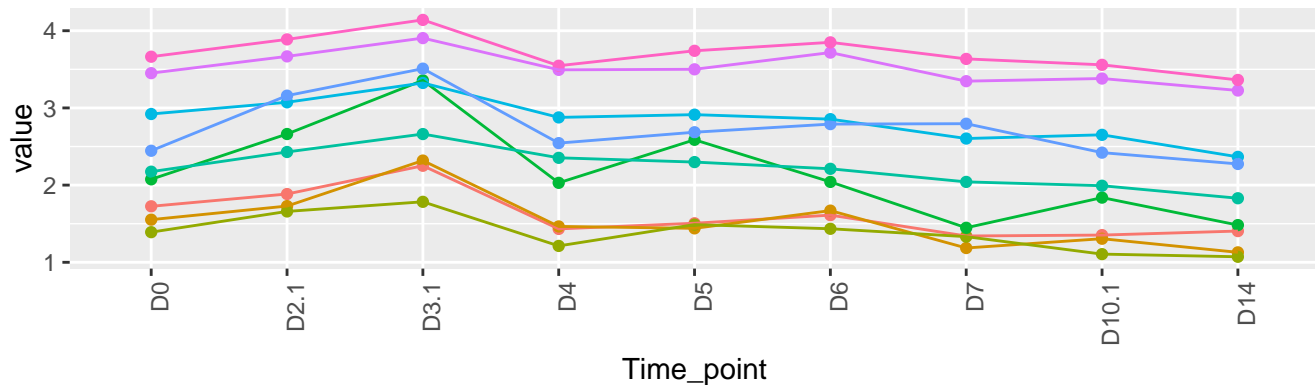
9 genes – KO-cluster-83-original



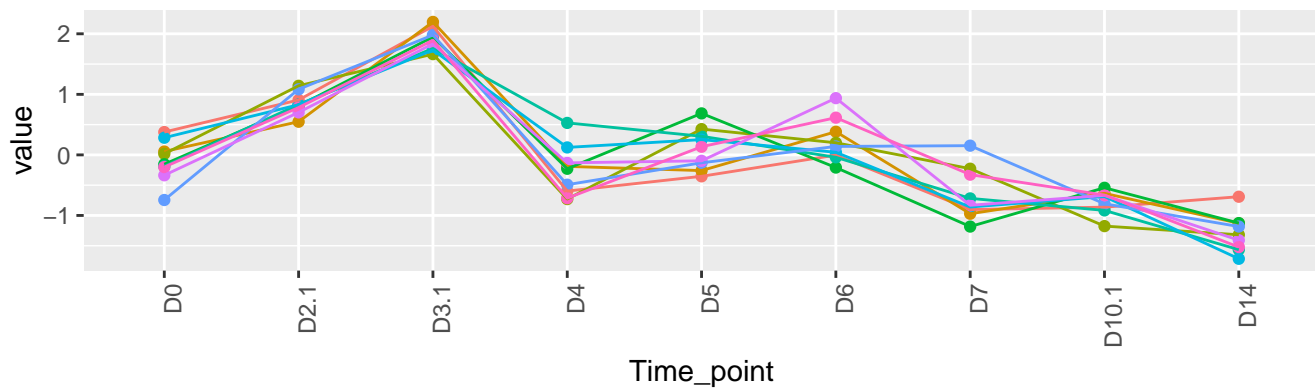
9 genes – KO-cluster-83-standardized



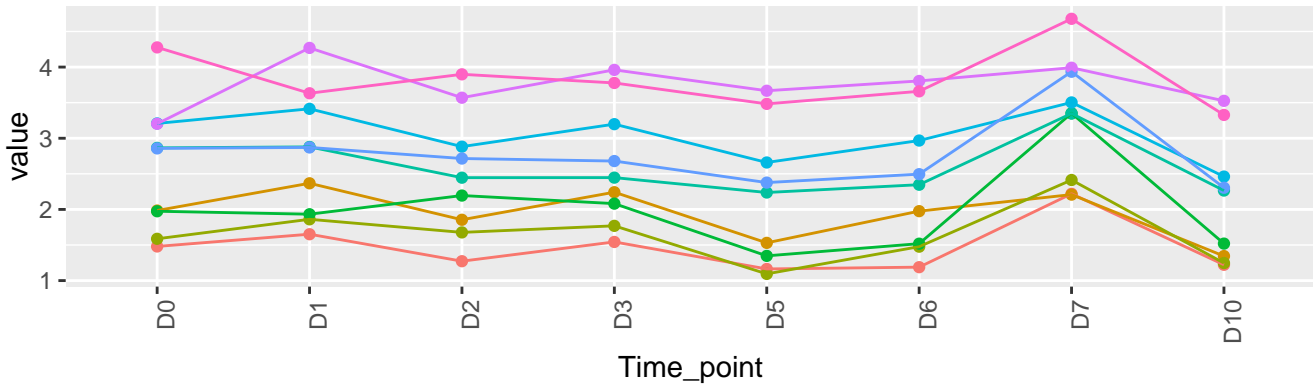
9 genes – WT-cluster-82-original



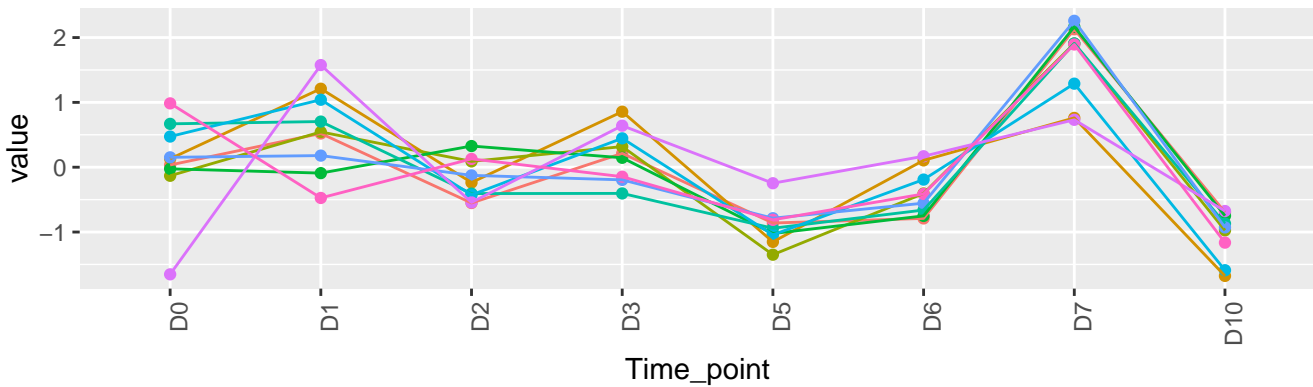
9 genes – WT-cluster-82-standardized



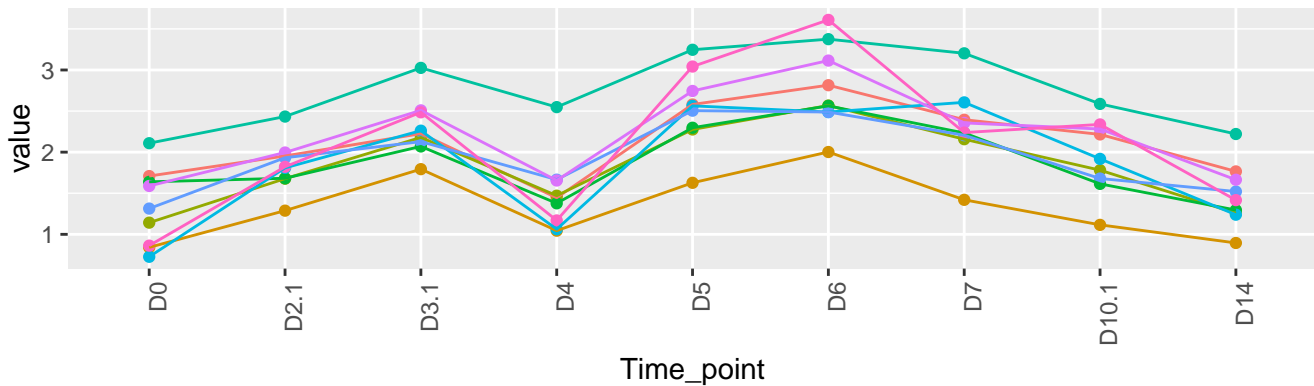
9 genes – KO-cluster-82-original



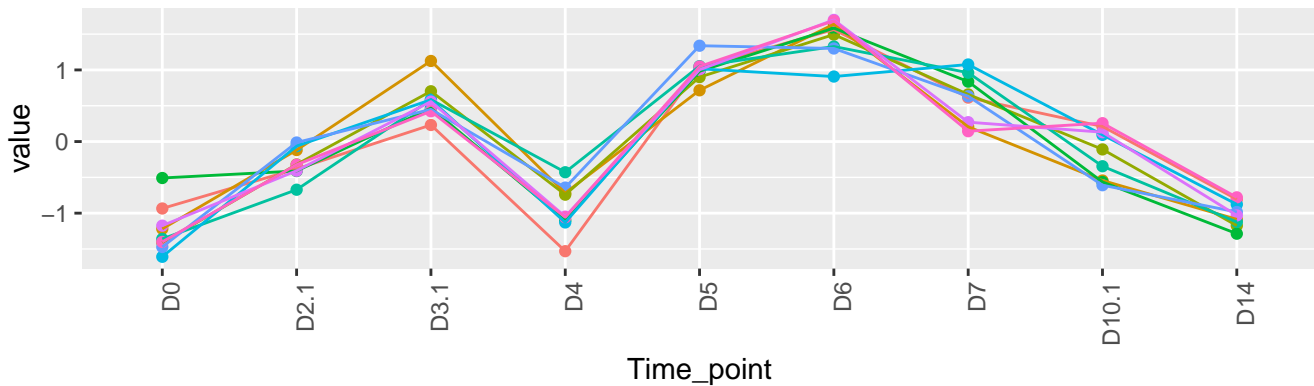
9 genes – KO-cluster-82-standardized



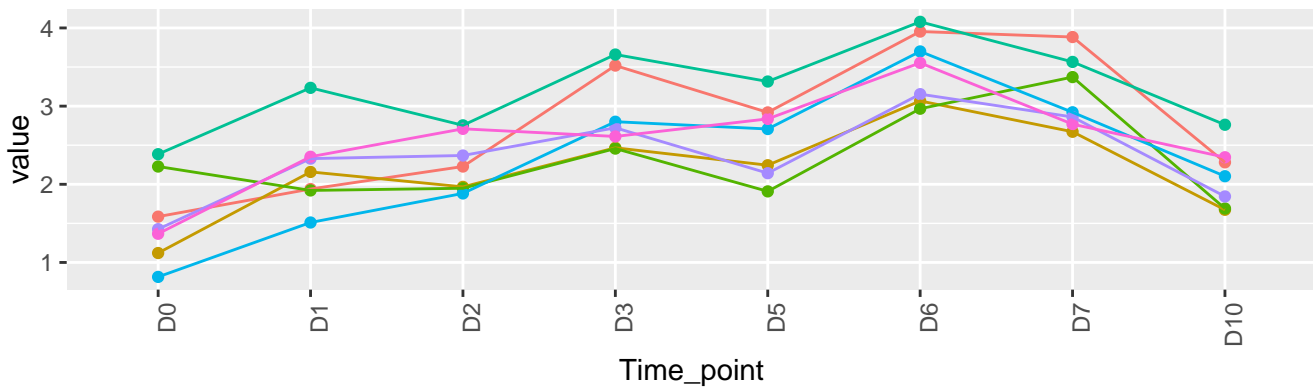
9 genes – WT-cluster-81-original



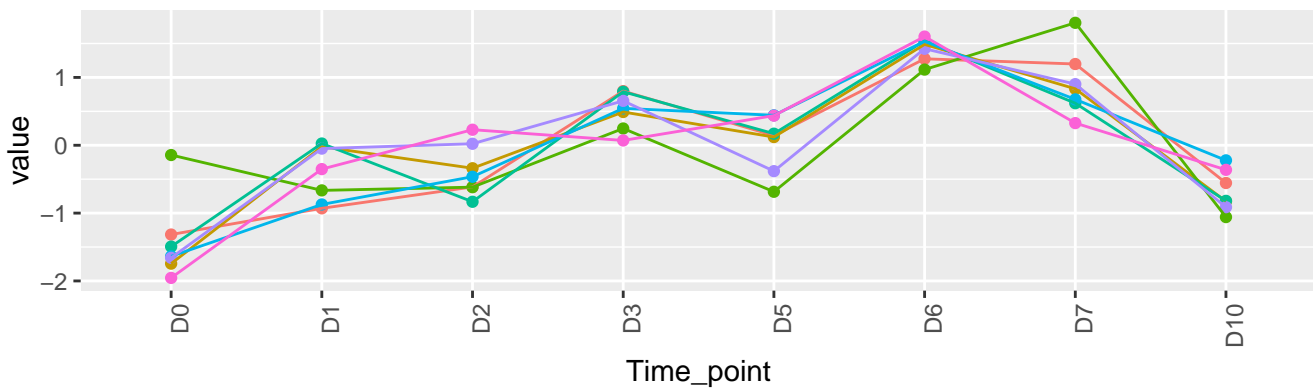
9 genes – WT-cluster-81-standardized



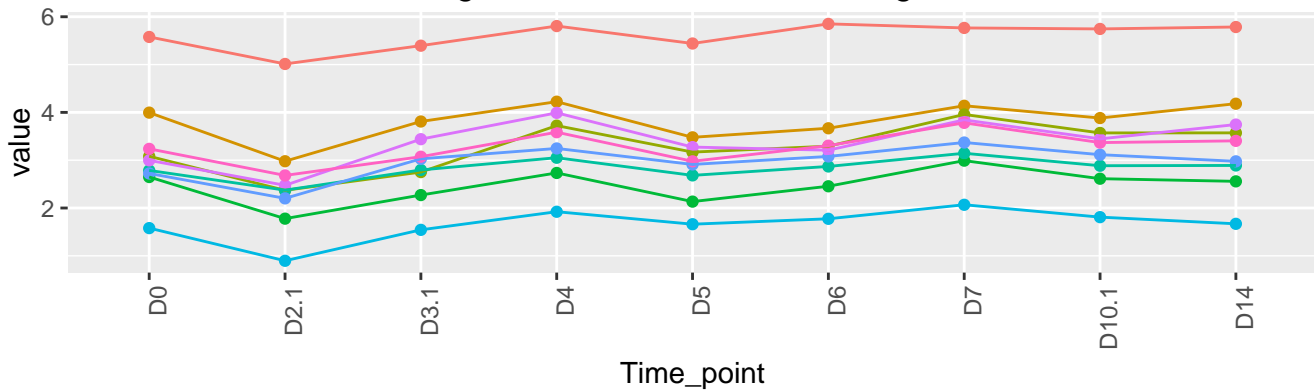
7 genes – KO-cluster-81-original



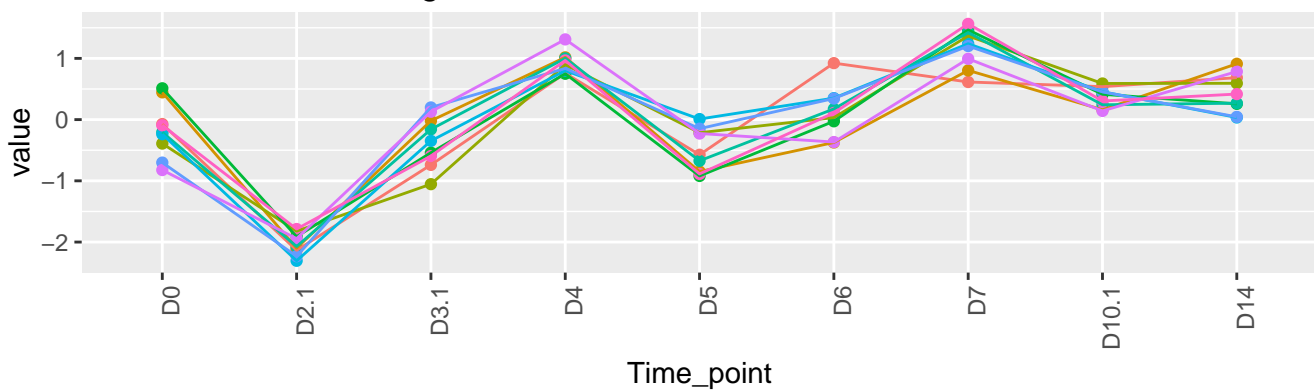
7 genes – KO-cluster-81-standardized



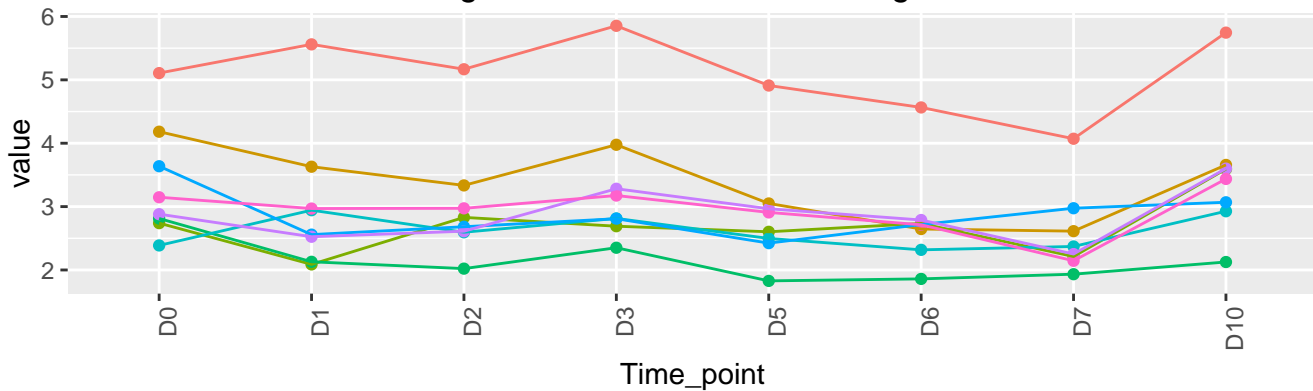
9 genes – WT-cluster-80-original



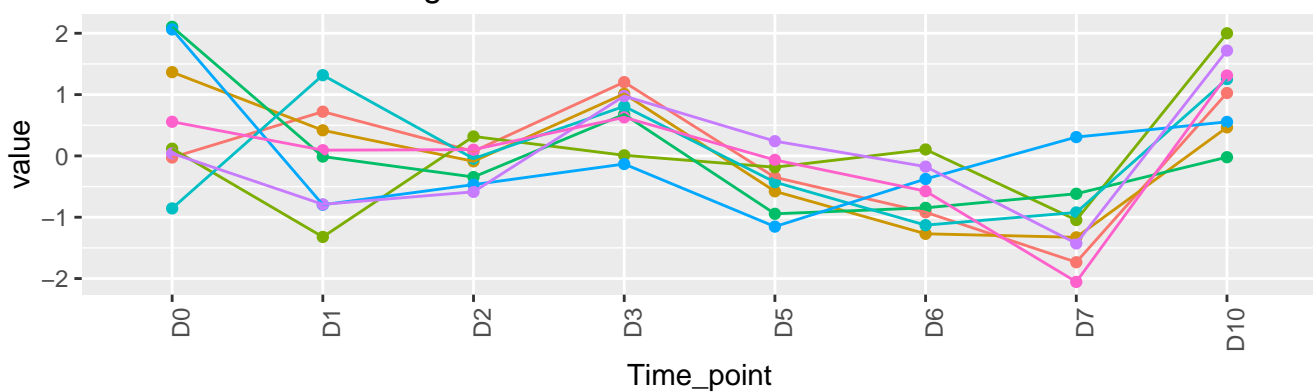
9 genes – WT-cluster-80-standardized



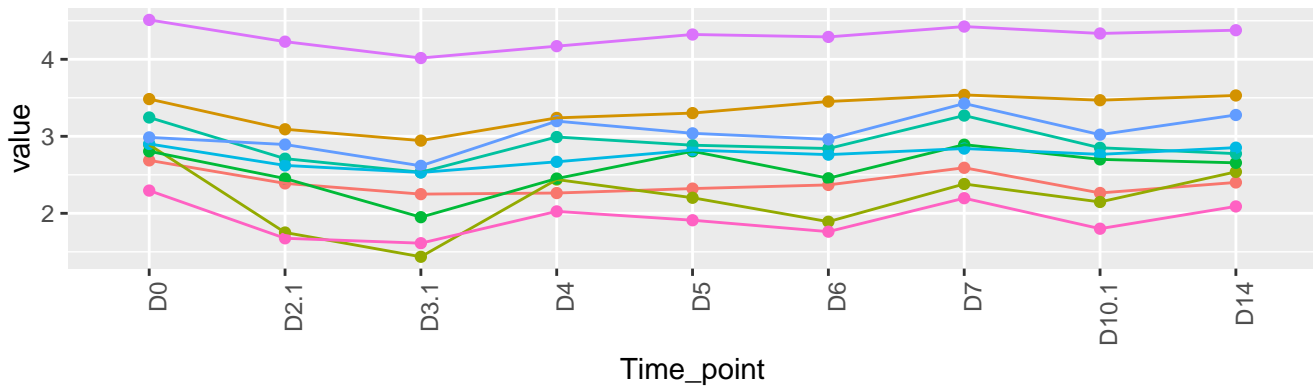
8 genes – KO-cluster-80-original



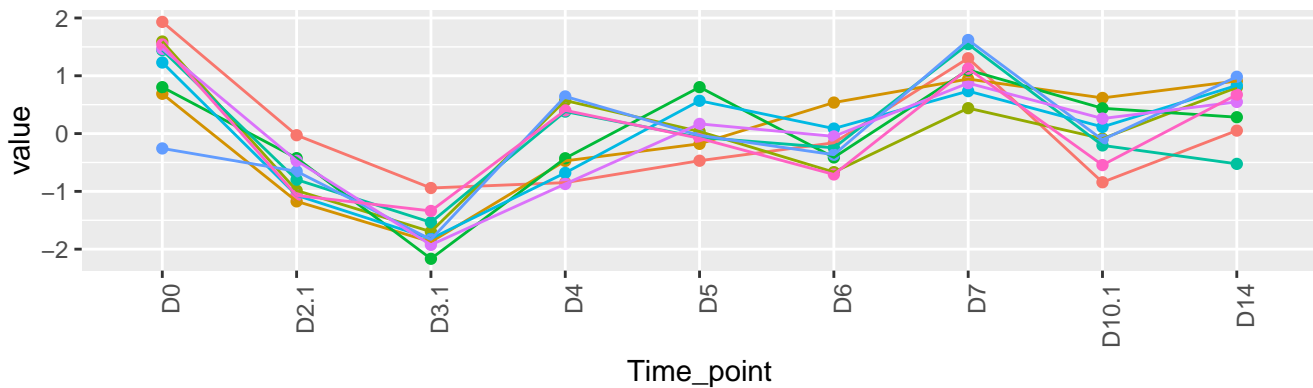
8 genes – KO-cluster-80-standardized



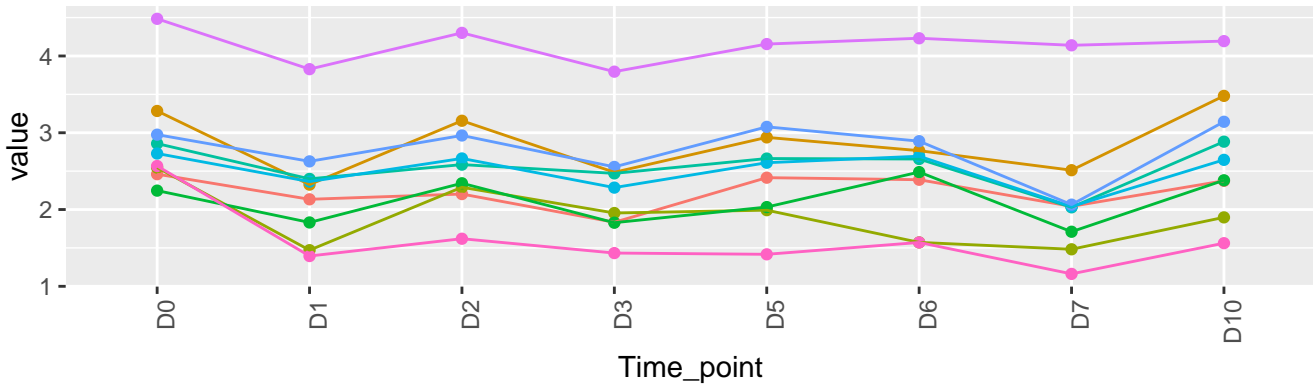
9 genes – WT-cluster-79-original



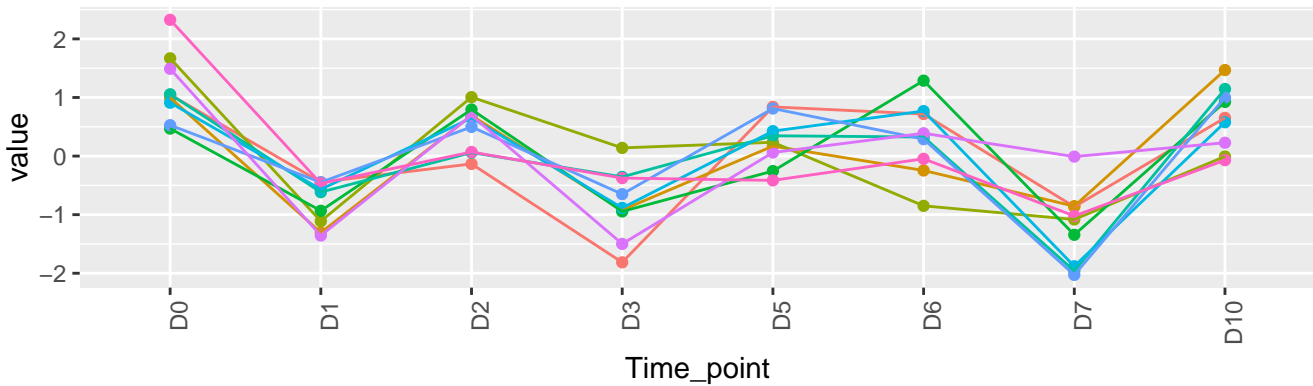
9 genes – WT-cluster-79-standardized



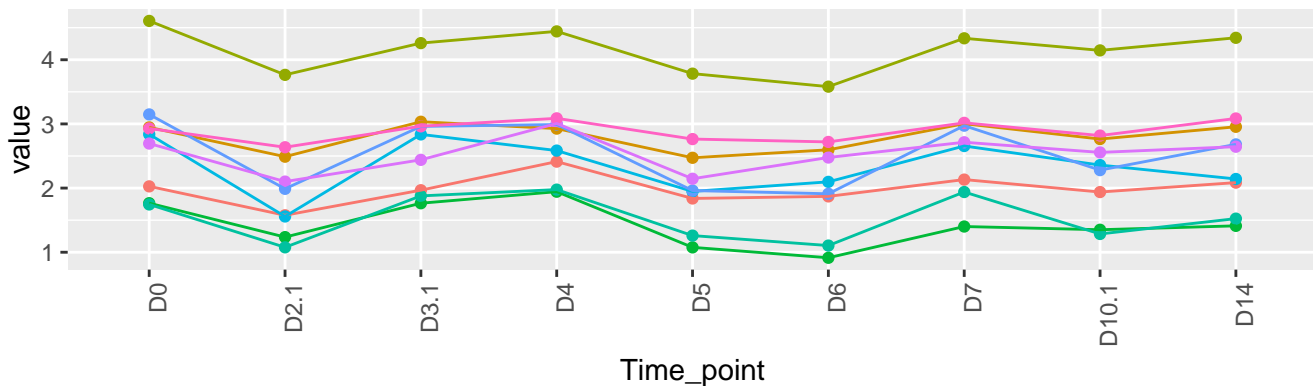
9 genes – KO-cluster-79-original



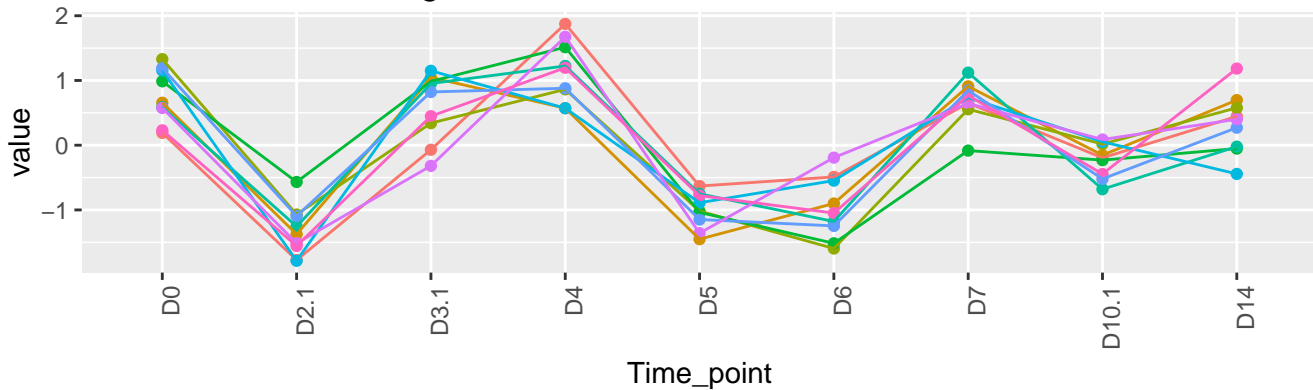
9 genes – KO-cluster-79-standardized



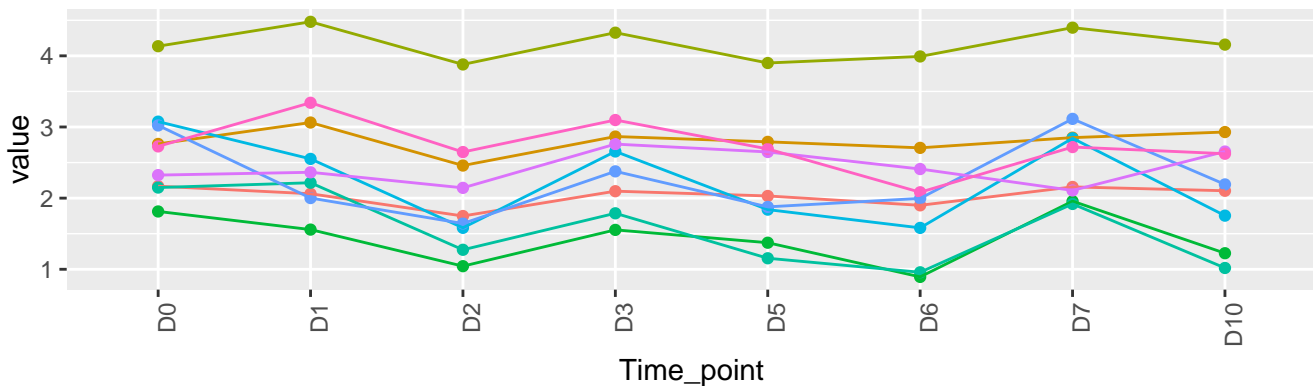
9 genes – WT-cluster-78-original



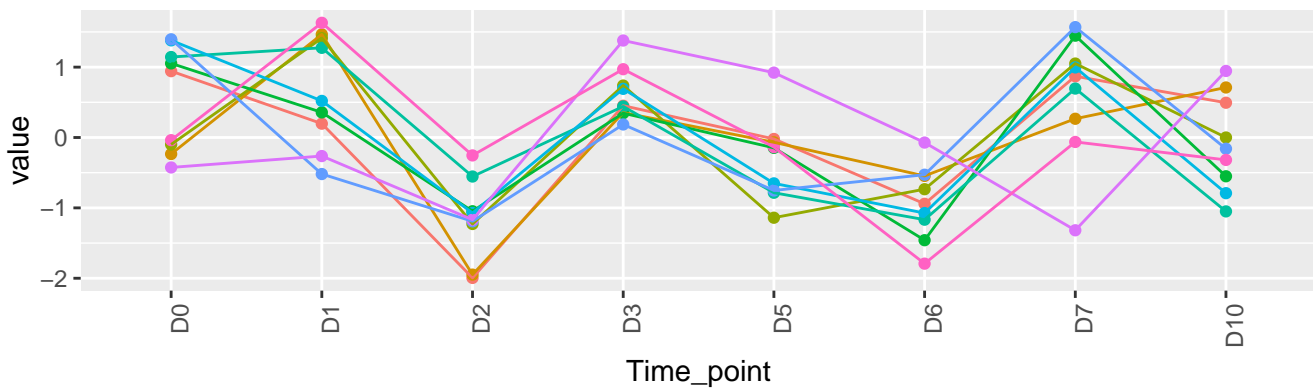
9 genes – WT-cluster-78-standardized



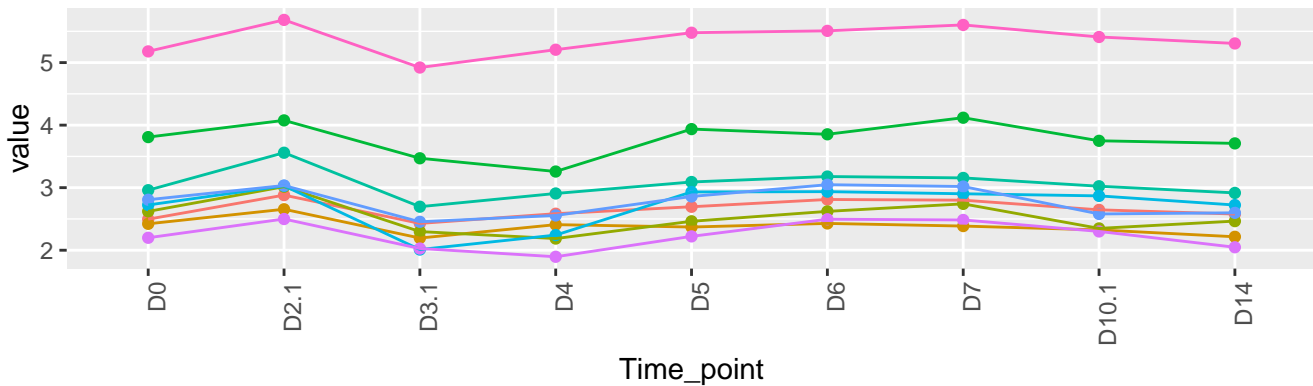
9 genes – KO-cluster-78-original



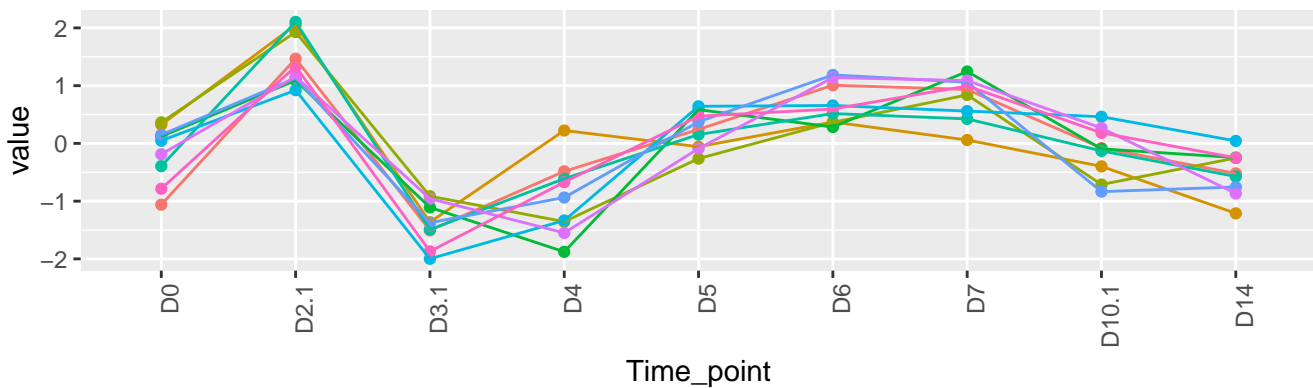
9 genes – KO-cluster-78-standardized



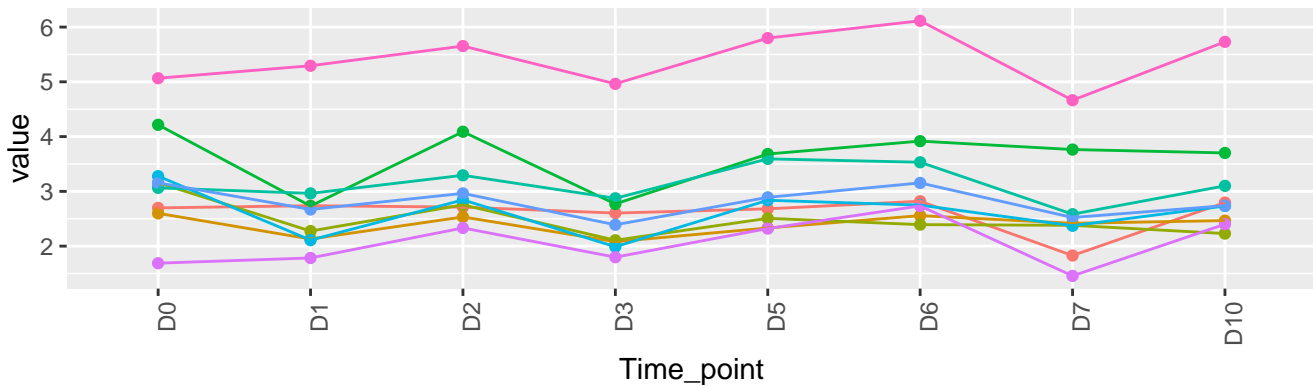
9 genes – WT-cluster-77-original



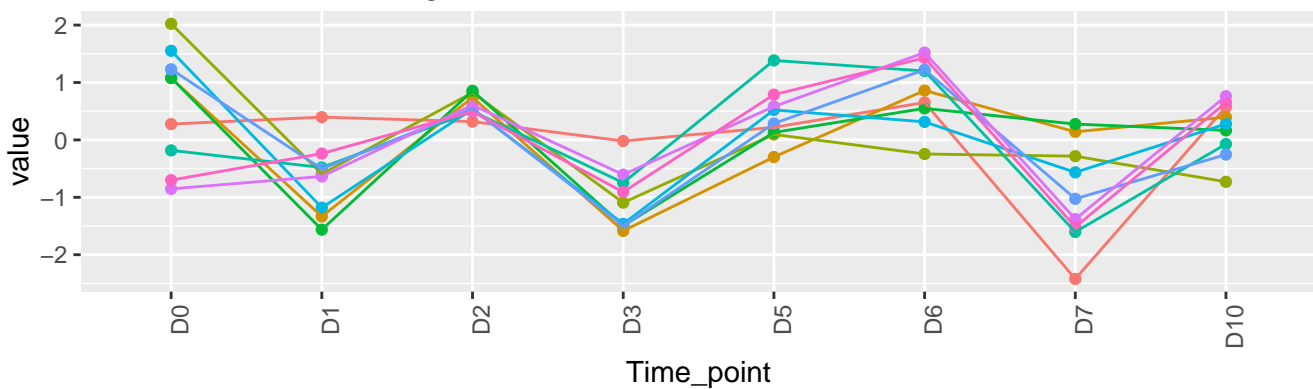
9 genes – WT-cluster-77-standardized



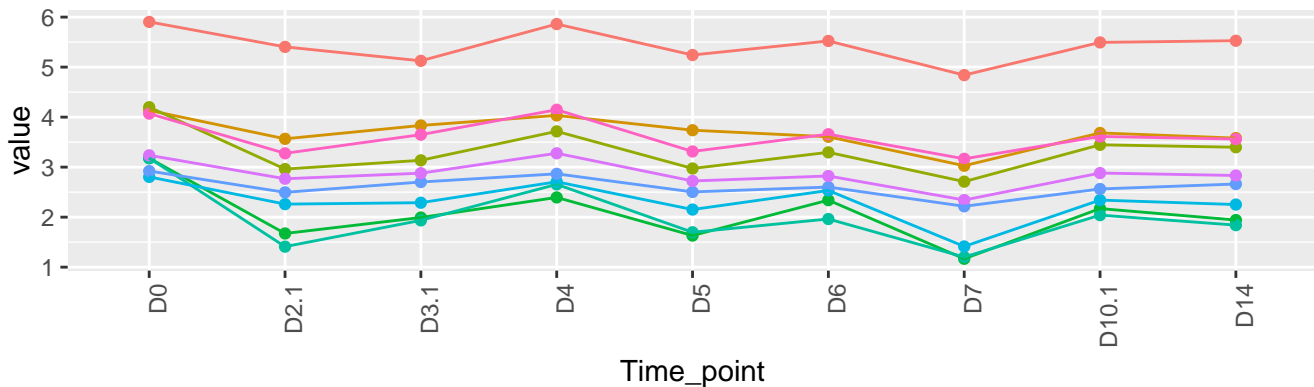
9 genes – KO-cluster-77-original



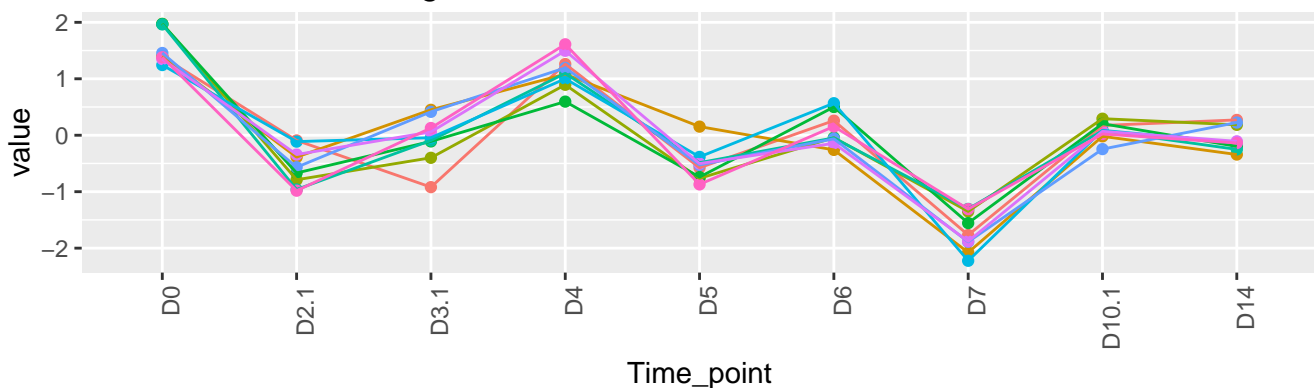
9 genes – KO-cluster-77-standardized



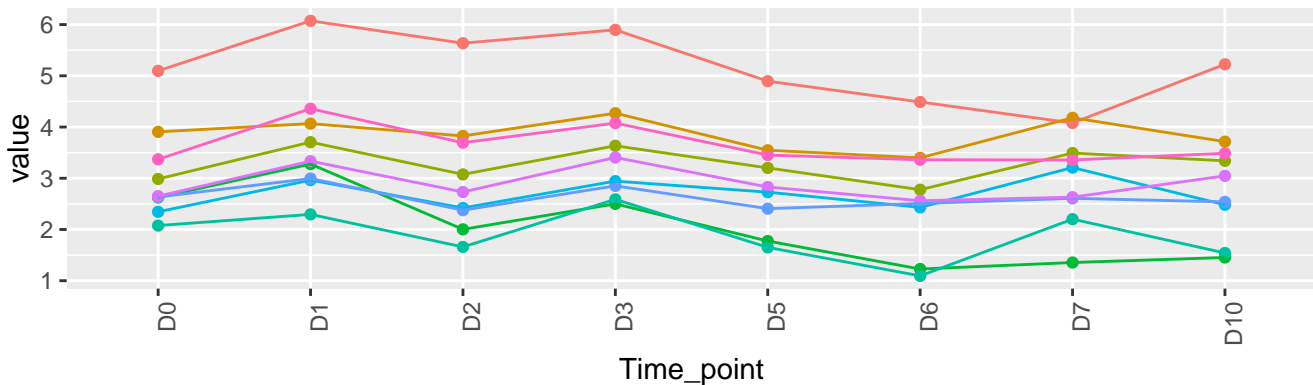
9 genes – WT-cluster-76-original



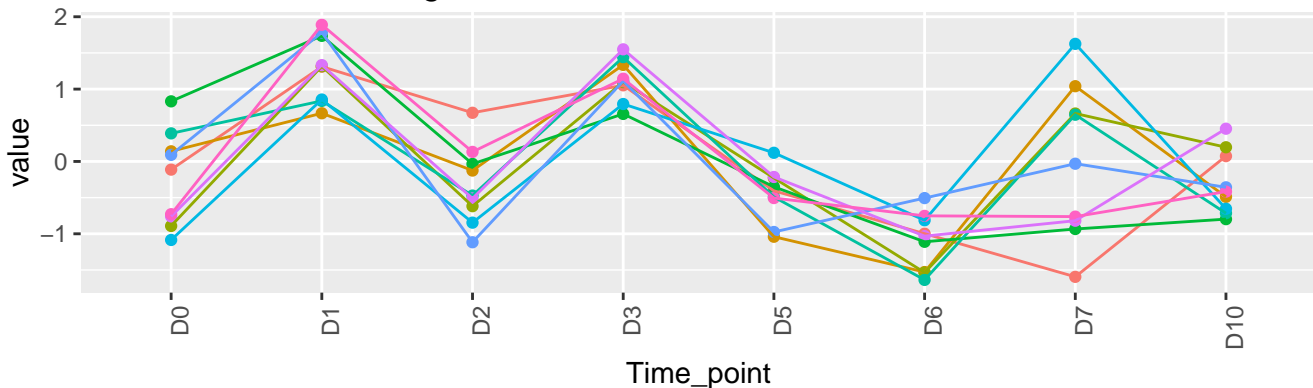
9 genes – WT-cluster-76-standardized



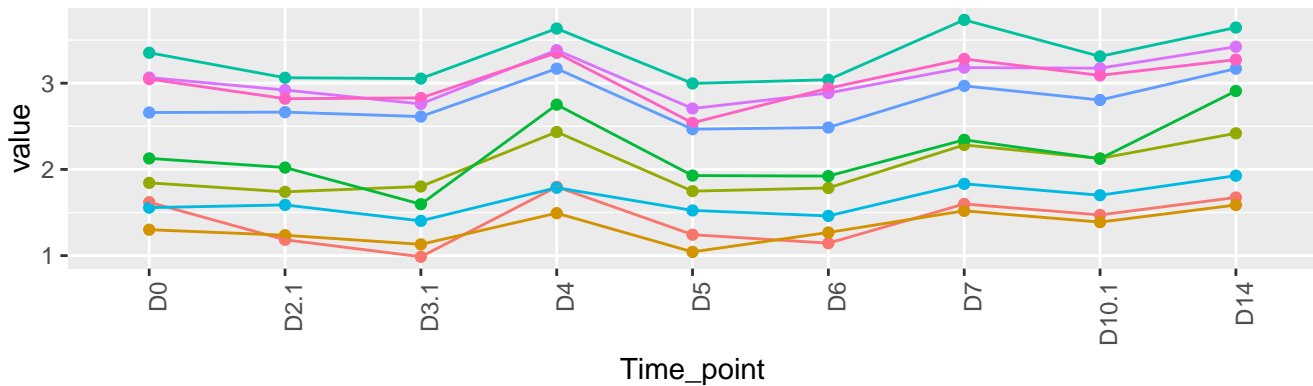
9 genes – KO-cluster-76-original



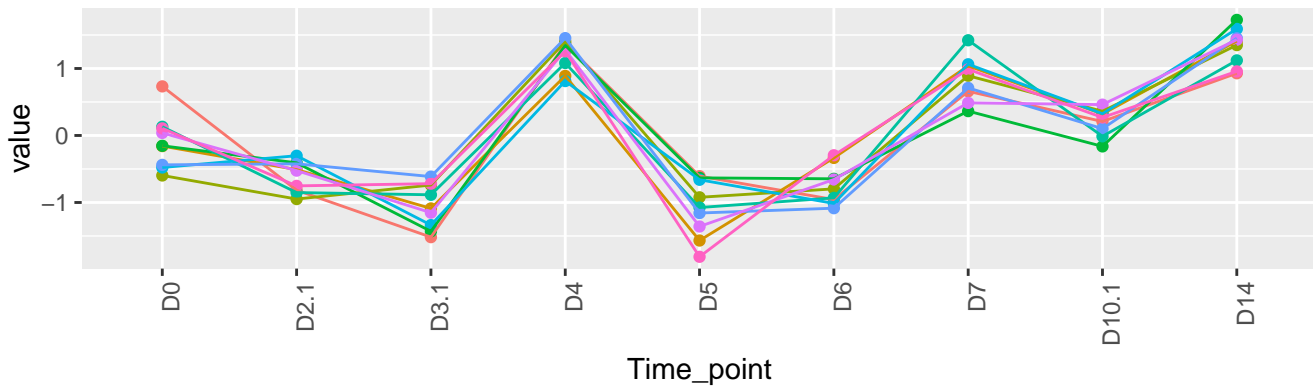
9 genes – KO-cluster-76-standardized



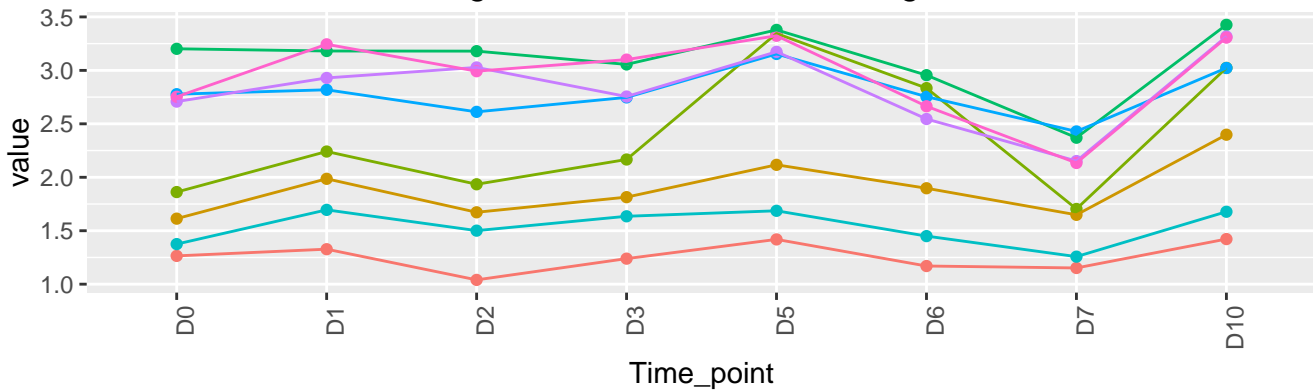
9 genes – WT-cluster-75-original



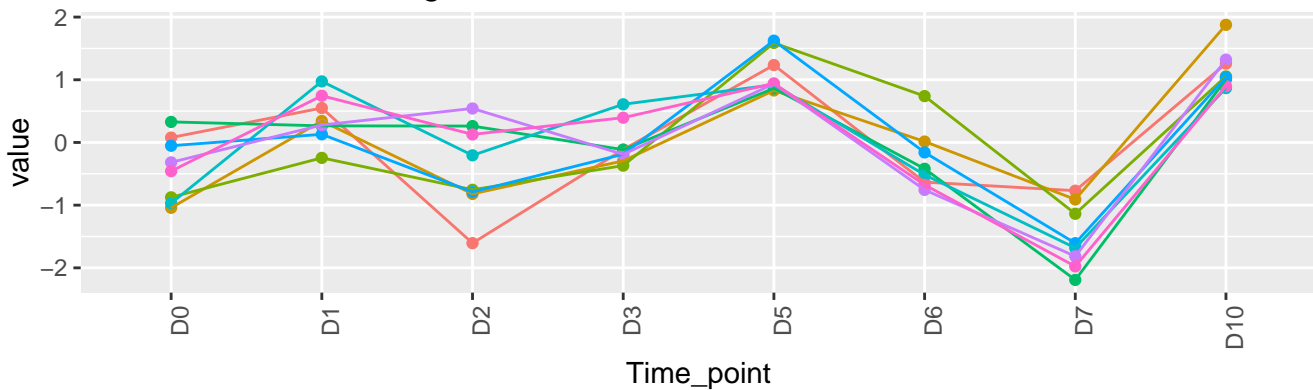
9 genes – WT-cluster-75-standardized



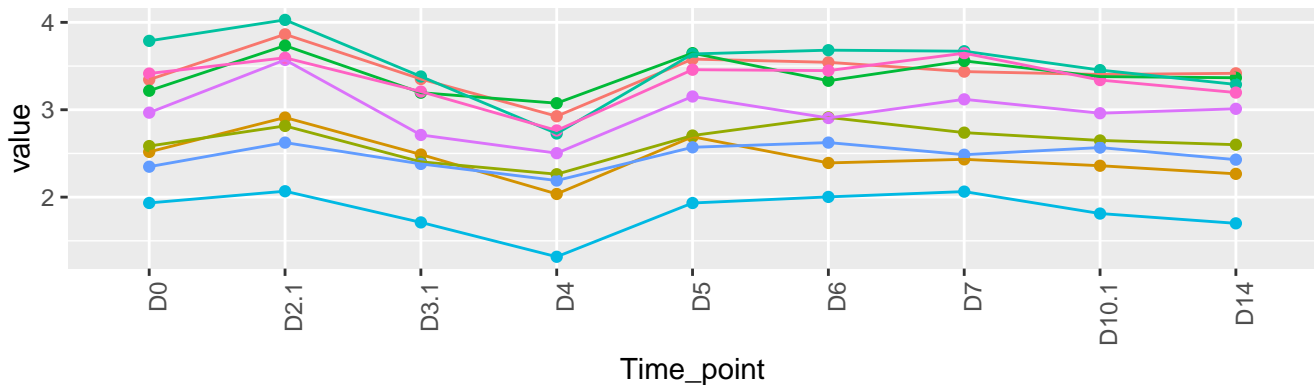
8 genes – KO-cluster-75-original



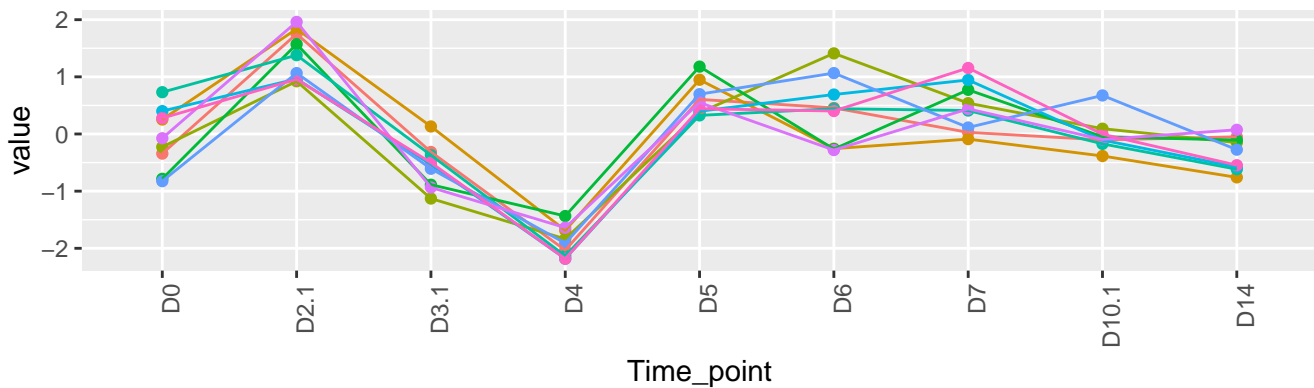
8 genes – KO-cluster-75-standardized



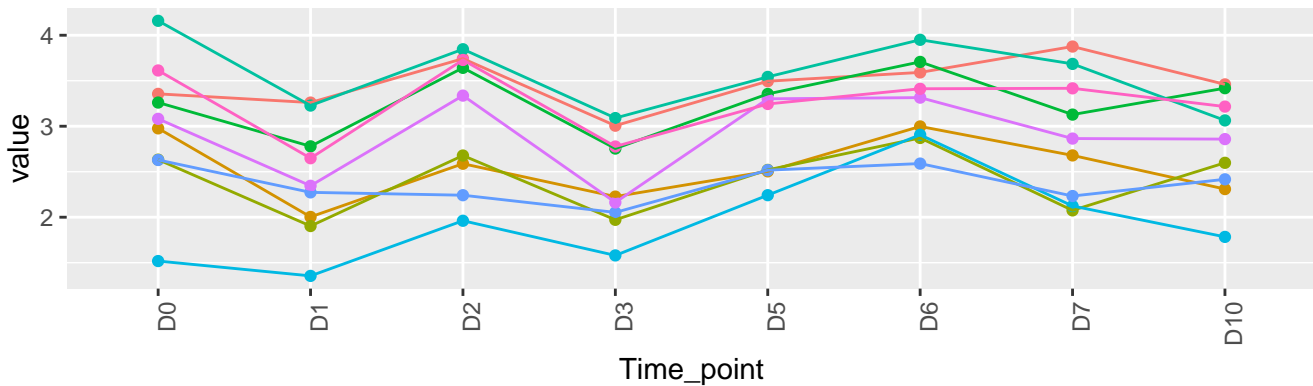
9 genes – WT-cluster-74-original



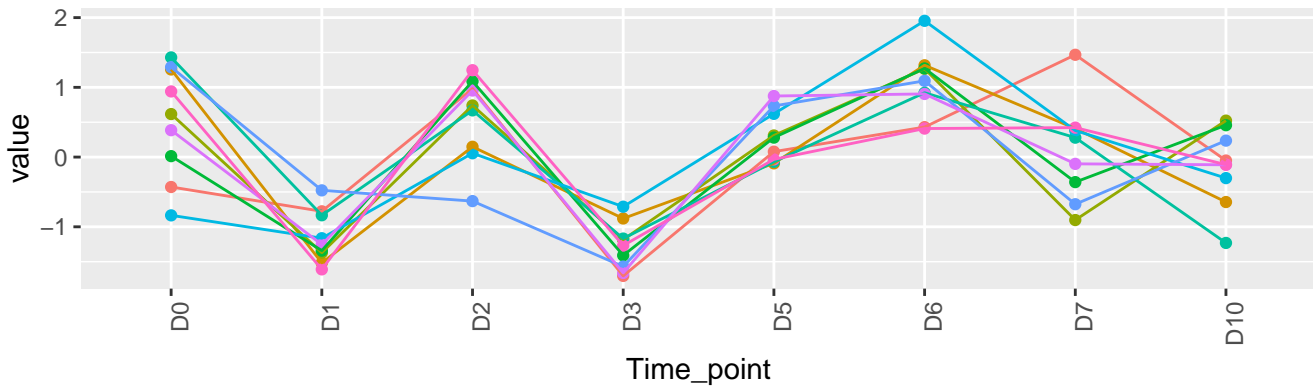
9 genes – WT-cluster-74-standardized



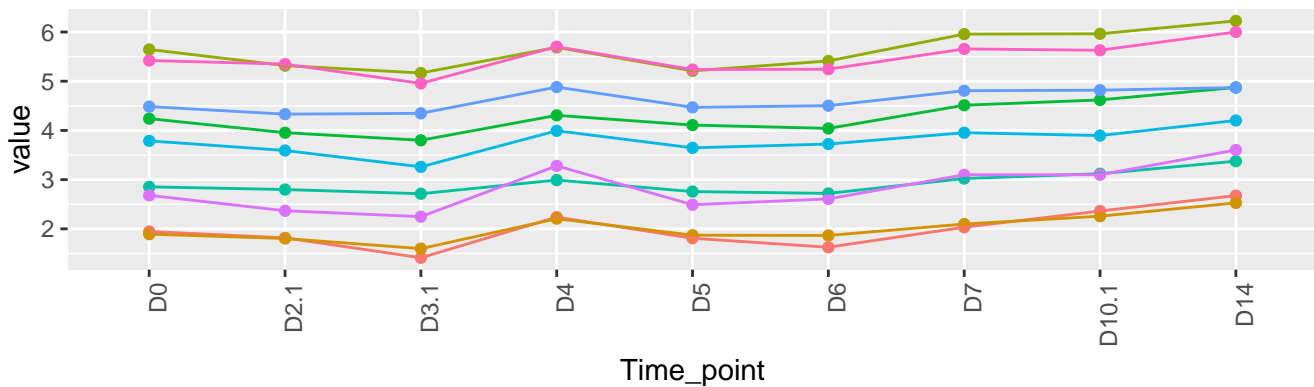
9 genes – KO-cluster-74-original



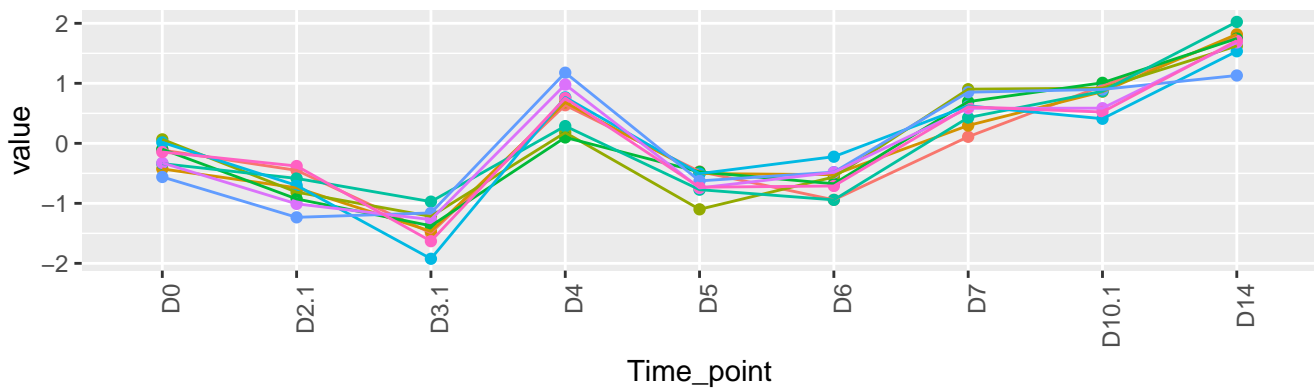
9 genes – KO-cluster-74-standardized



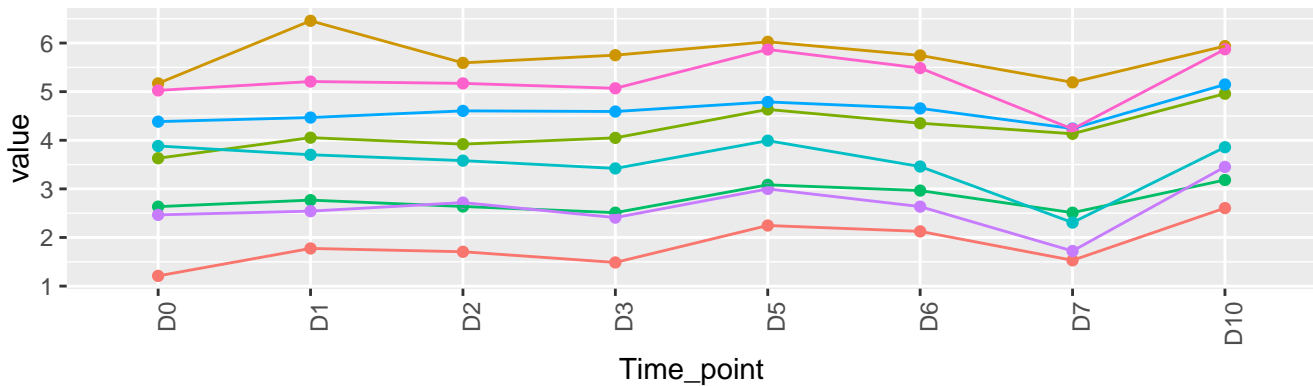
9 genes – WT-cluster-73-original



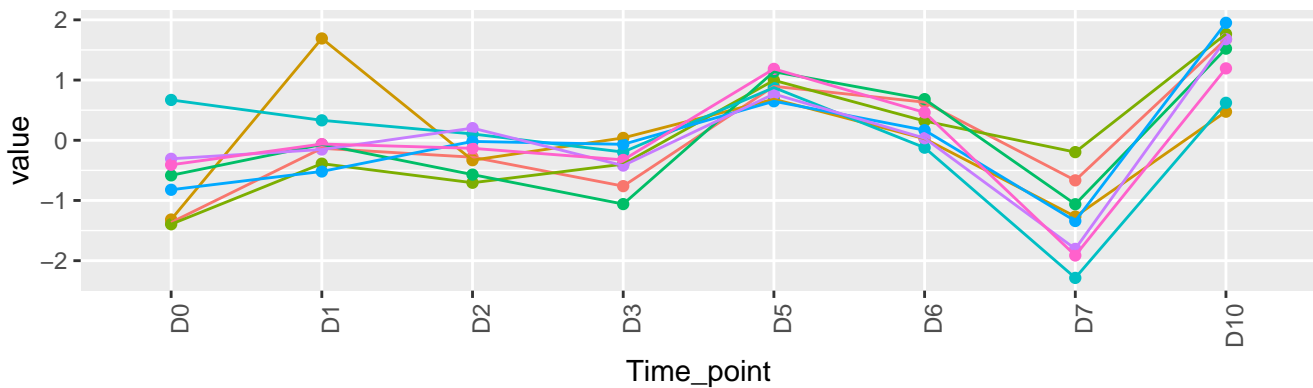
9 genes – WT-cluster-73-standardized



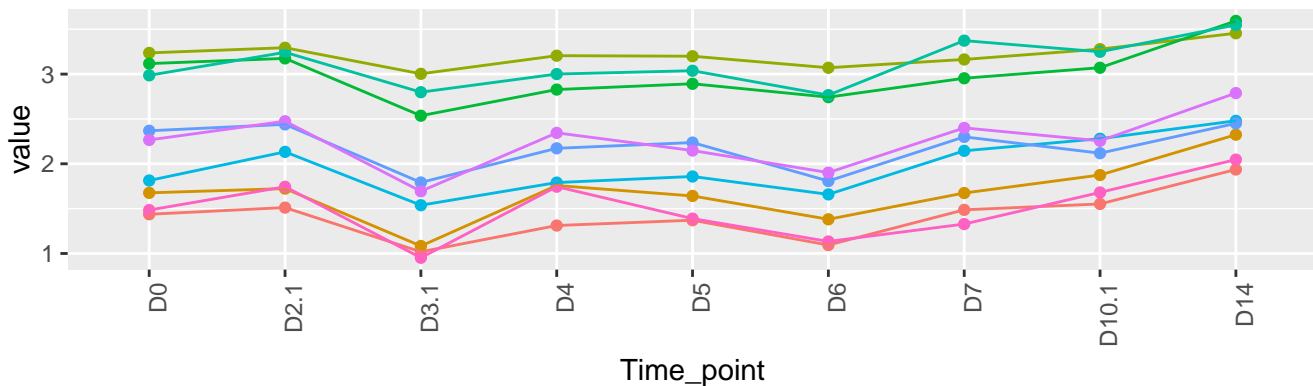
8 genes – KO-cluster-73-original



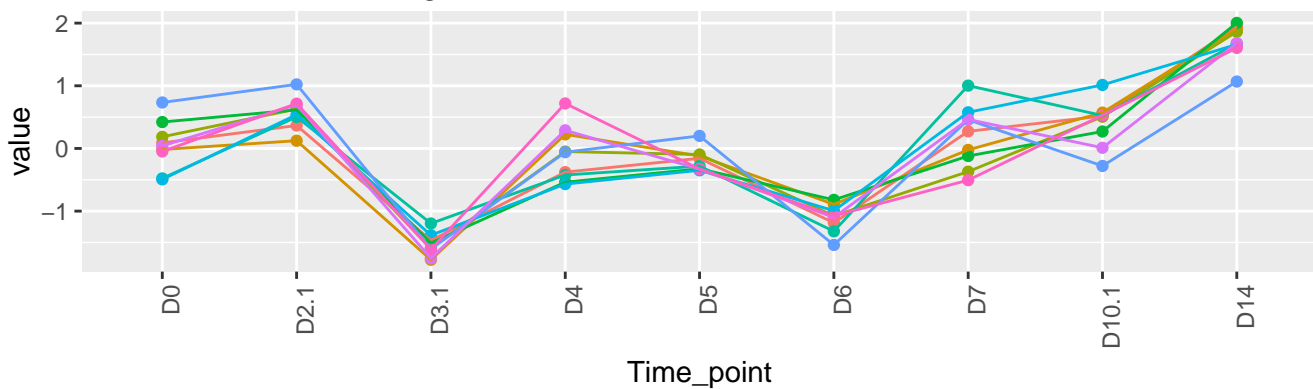
8 genes – KO-cluster-73-standardized



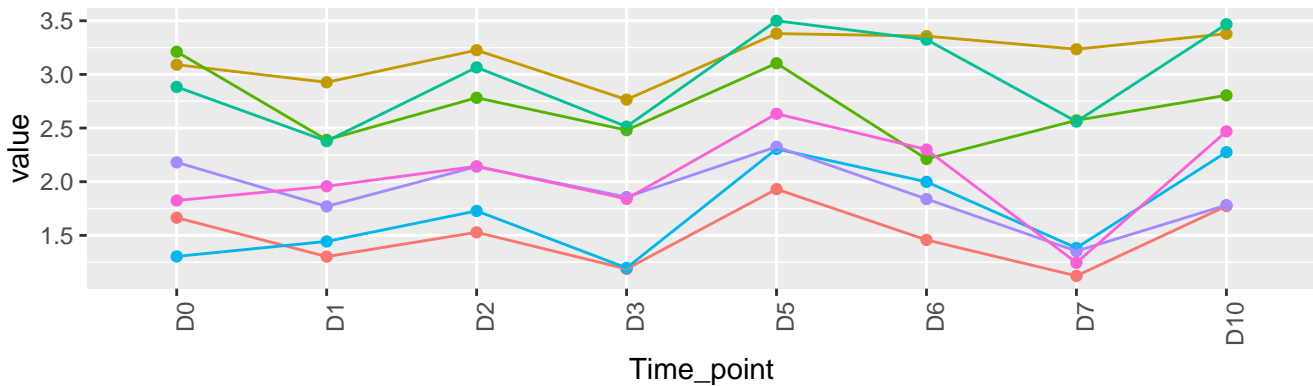
9 genes – WT-cluster-72-original



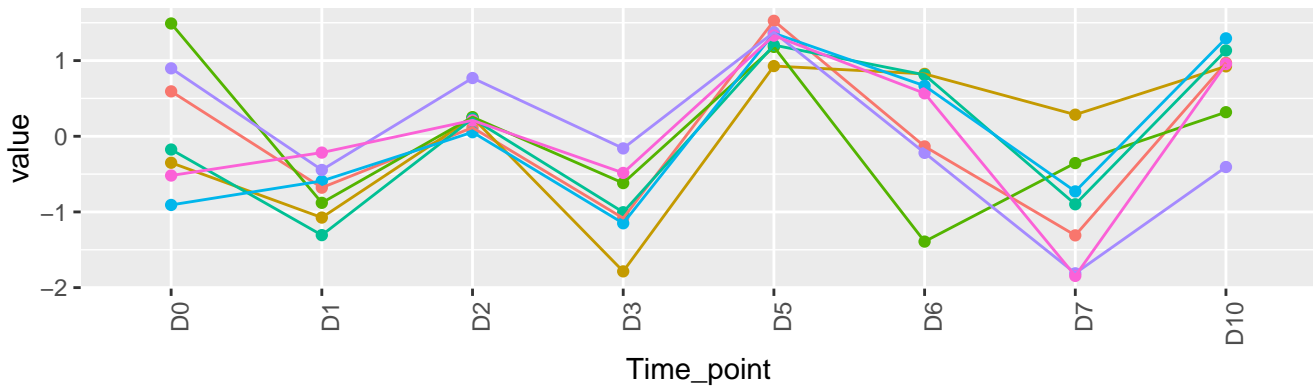
9 genes – WT-cluster-72-standardized



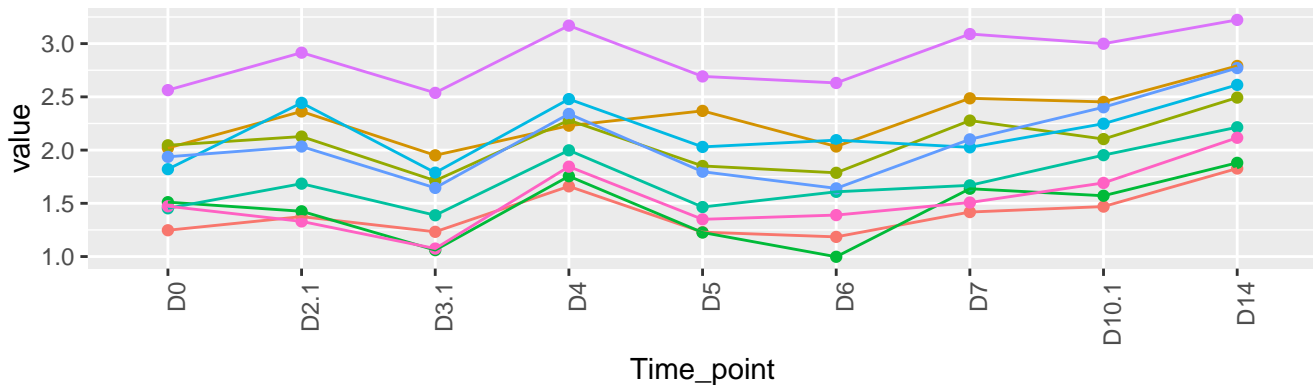
7 genes – KO-cluster-72-original



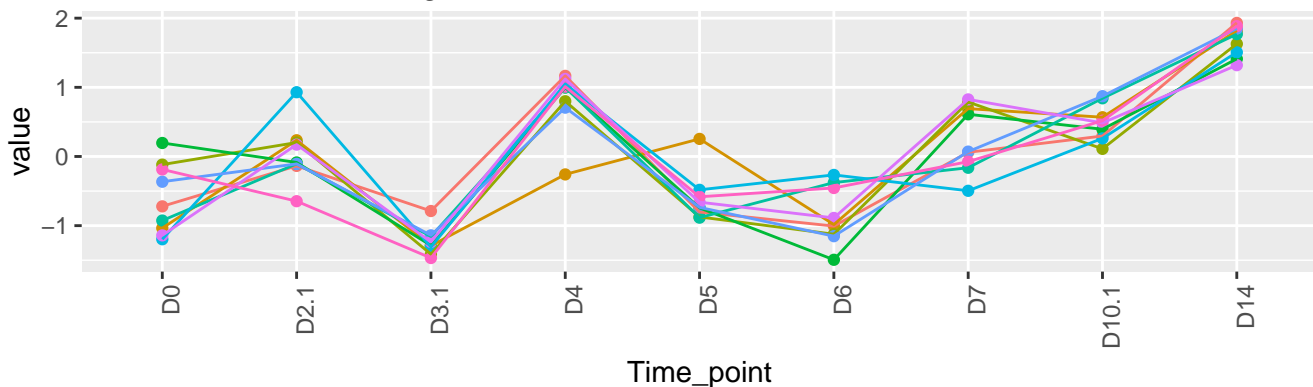
7 genes – KO-cluster-72-standardized



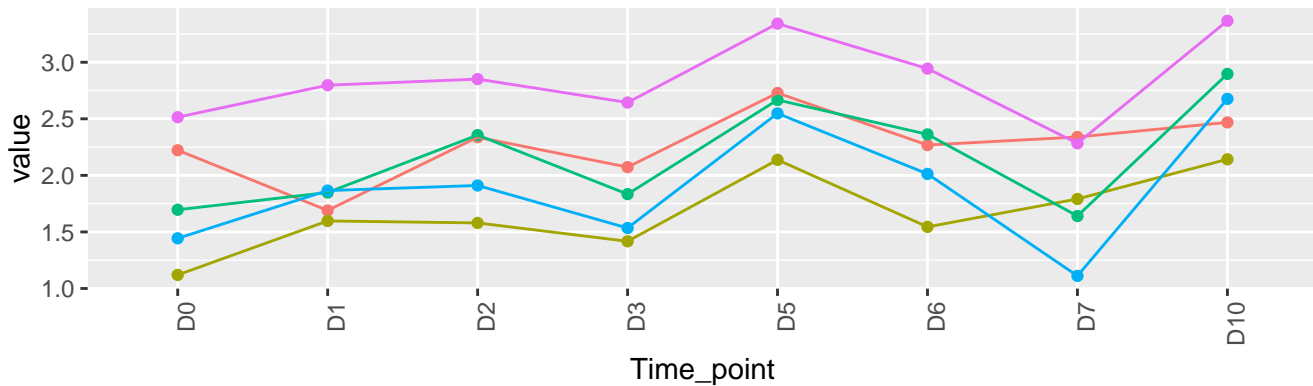
9 genes – WT-cluster-71-original



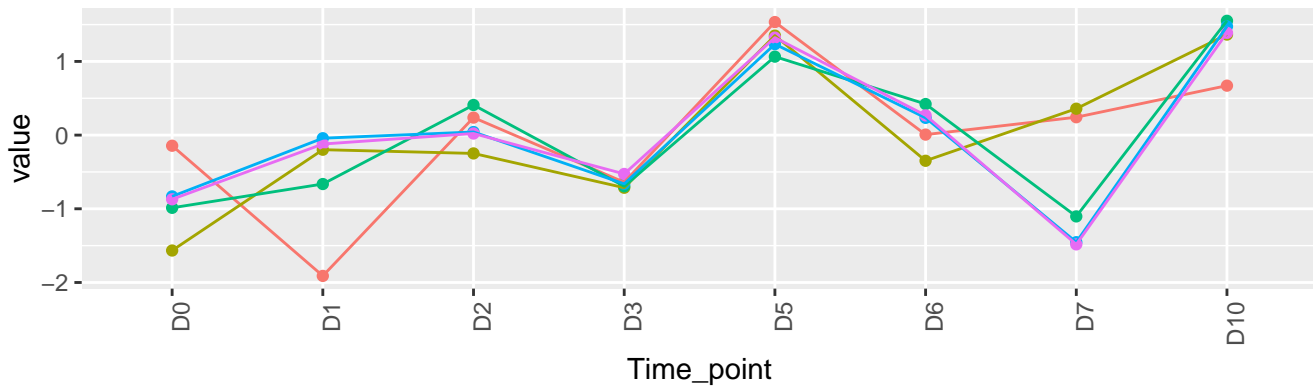
9 genes – WT-cluster-71-standardized



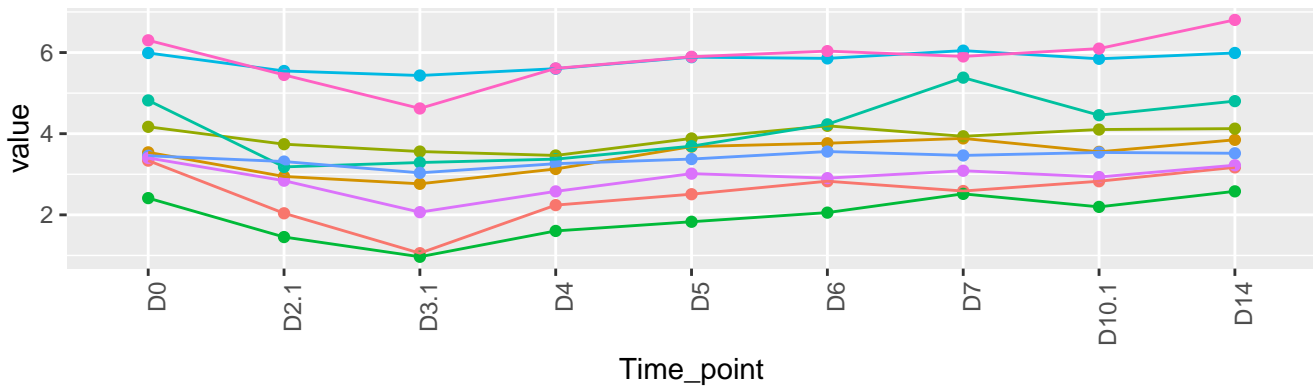
5 genes – KO-cluster-71-original



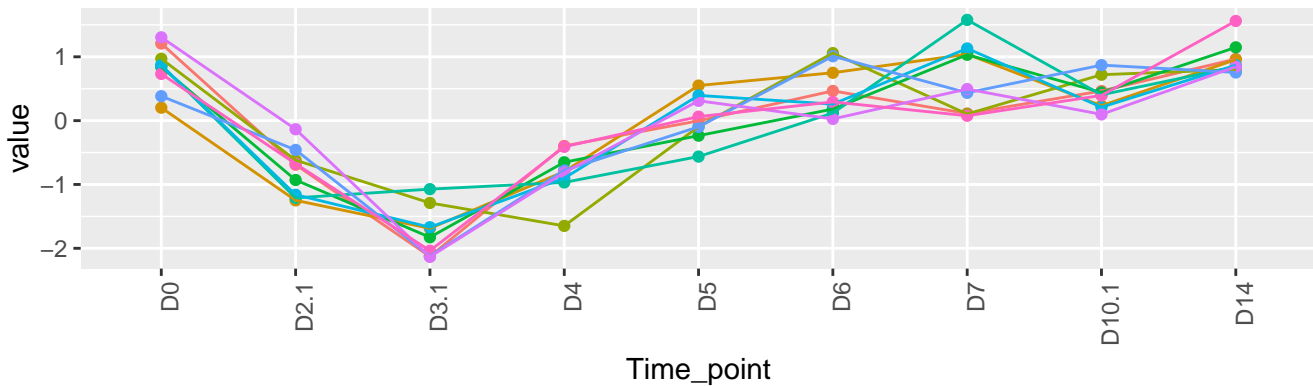
5 genes – KO-cluster-71-standardized



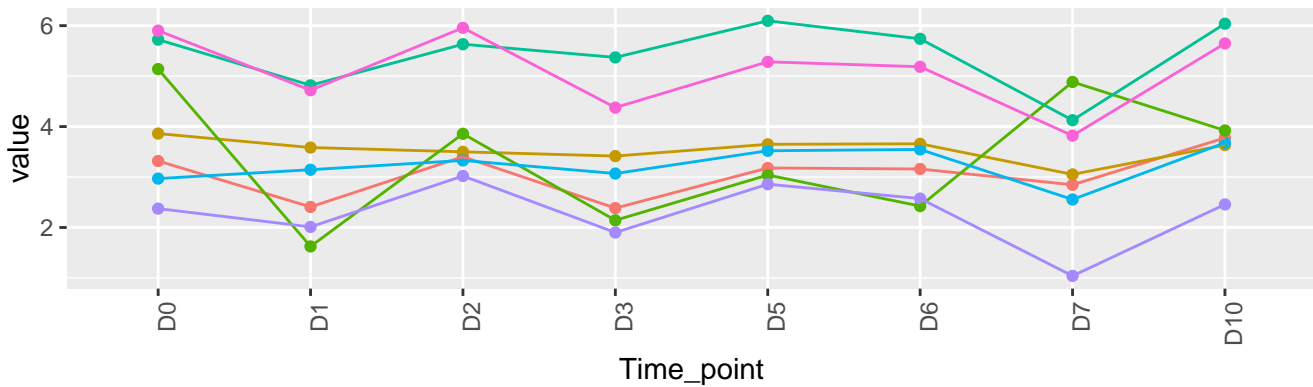
9 genes – WT-cluster-70-original



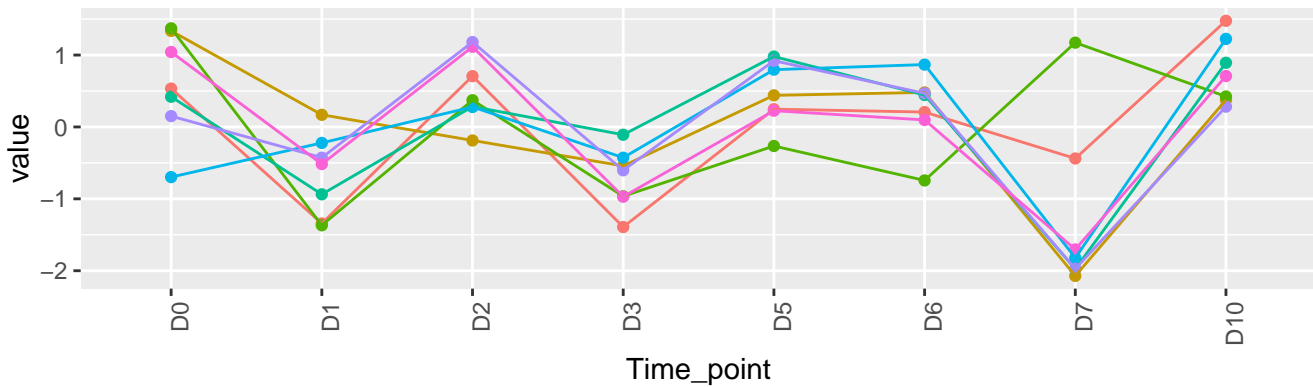
9 genes – WT-cluster-70-standardized



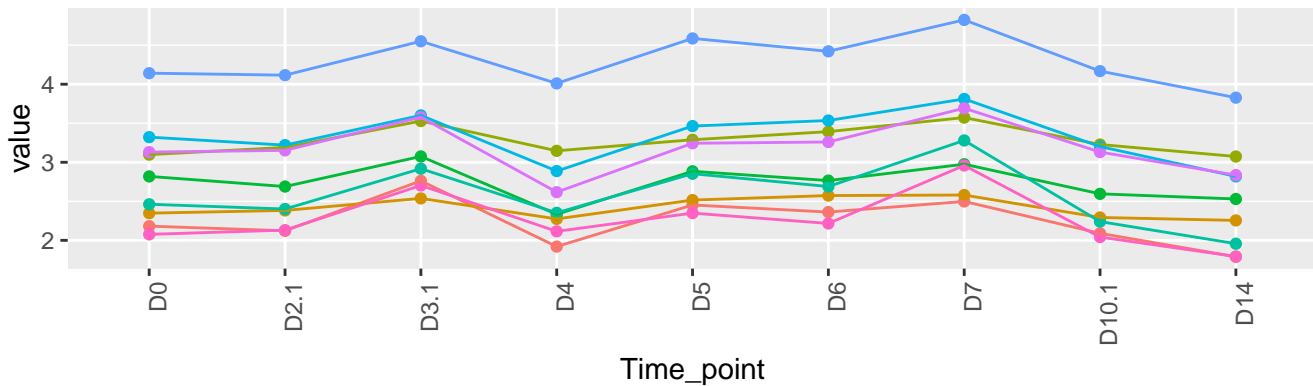
7 genes – KO-cluster-70-original



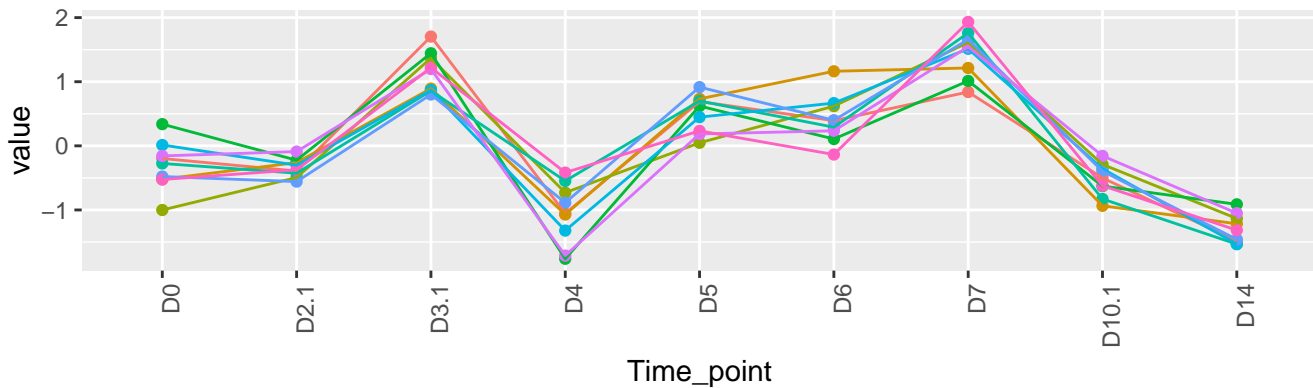
7 genes – KO-cluster-70-standardized



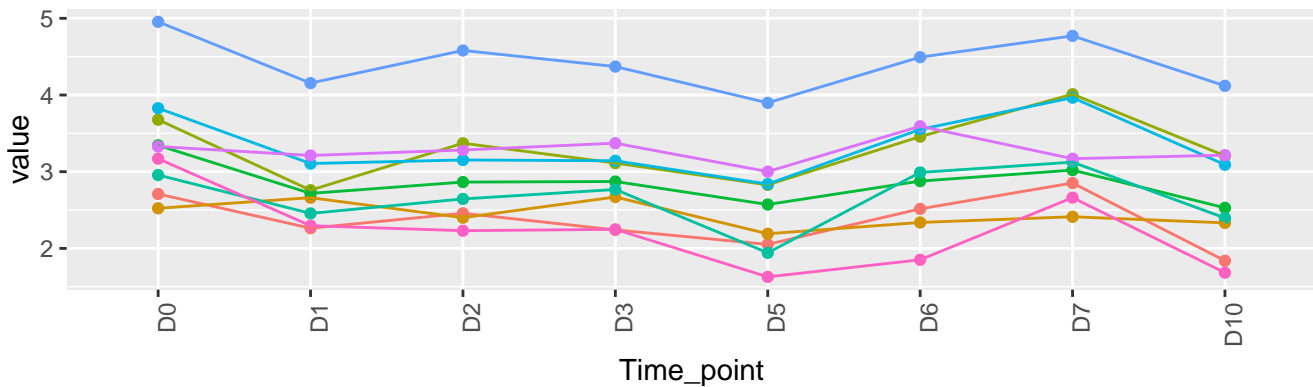
9 genes – WT-cluster-69-original



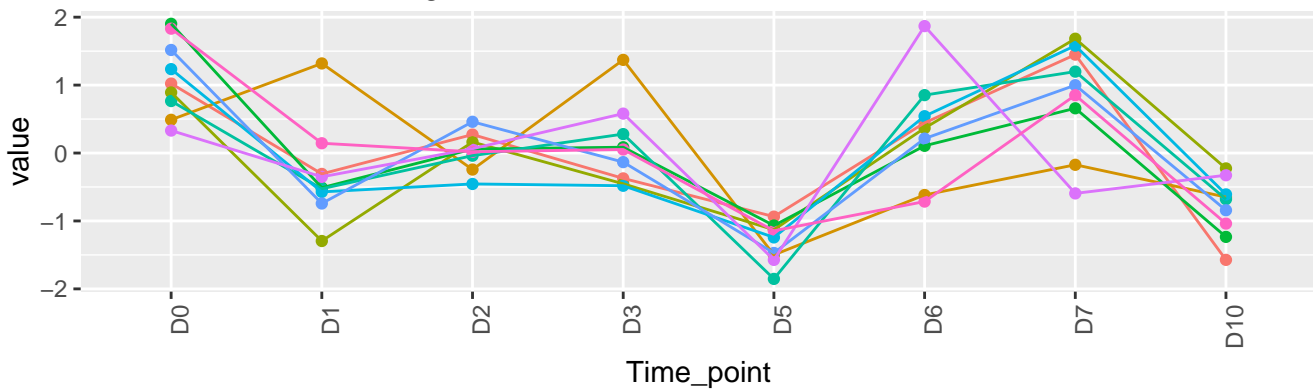
9 genes – WT-cluster-69-standardized



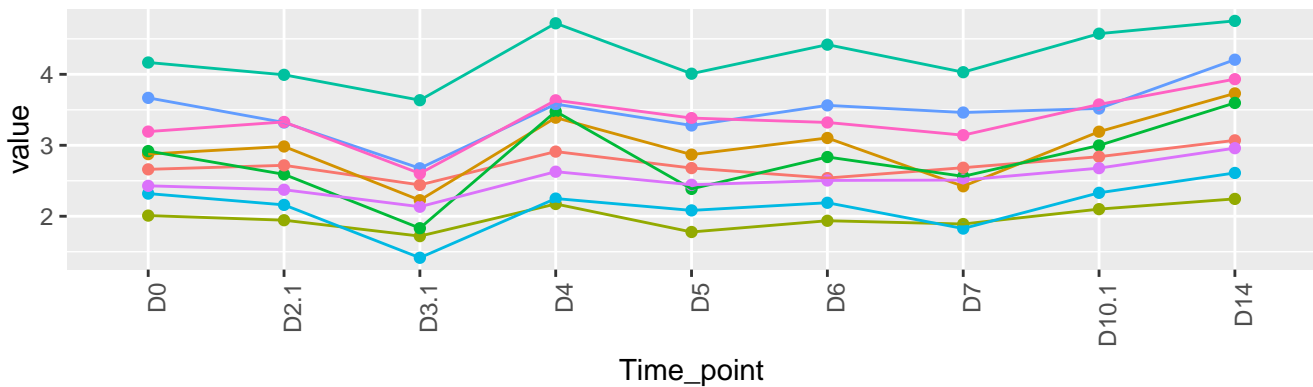
9 genes – KO-cluster-69-original



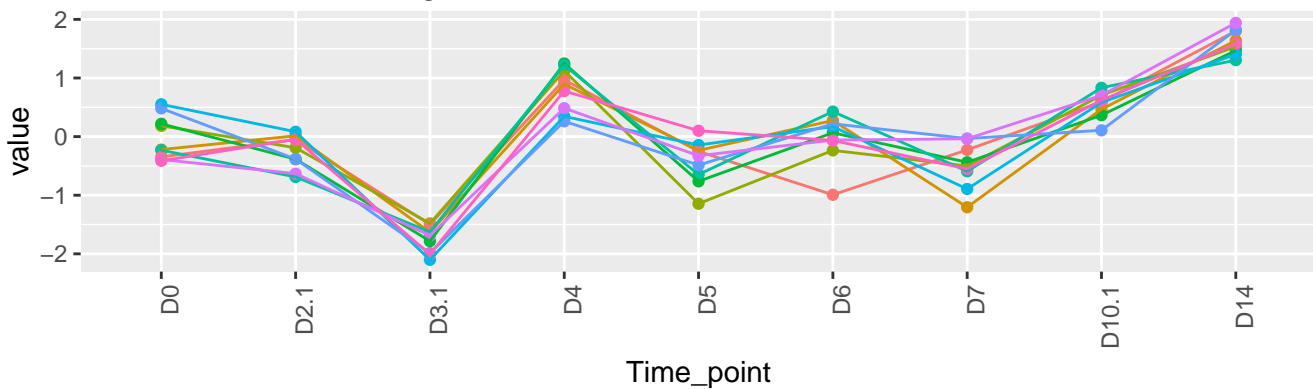
9 genes – KO-cluster-69-standardized



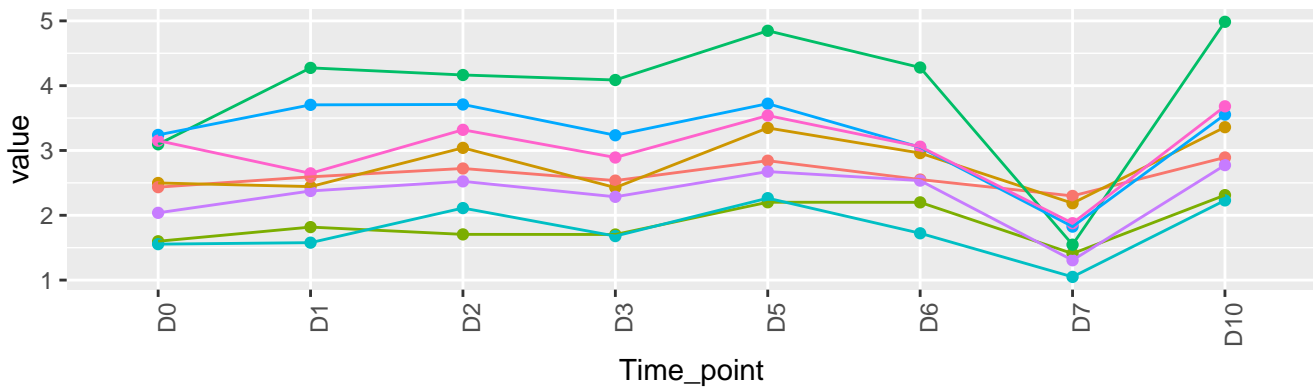
9 genes – WT-cluster-68-original



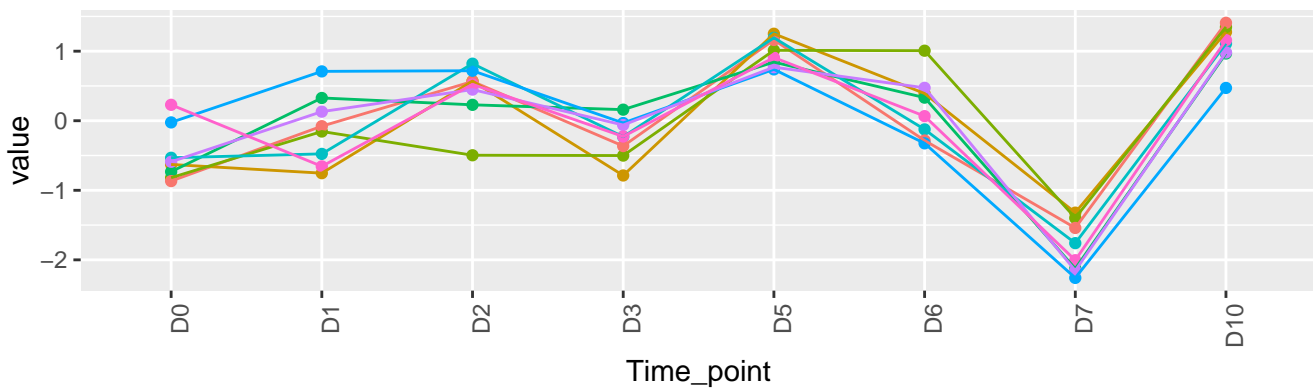
9 genes – WT-cluster-68-standardized



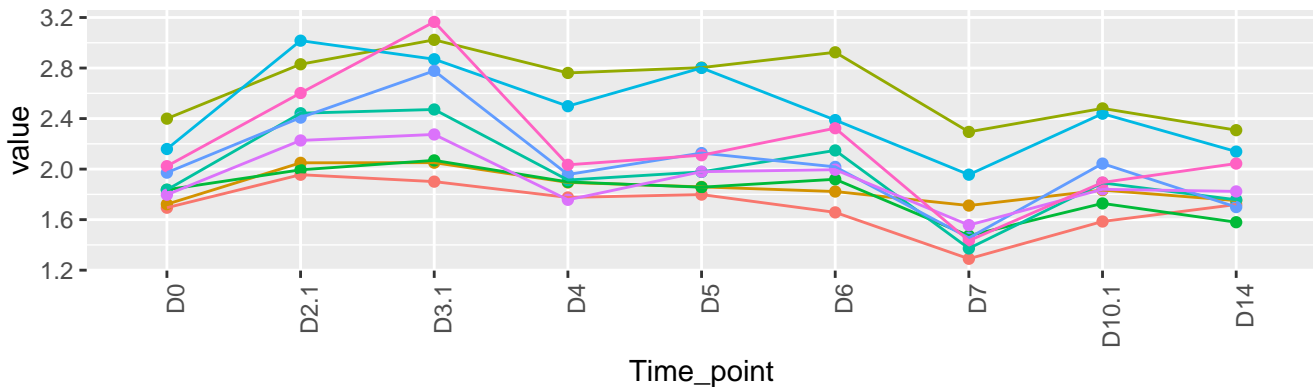
8 genes – KO-cluster-68-original



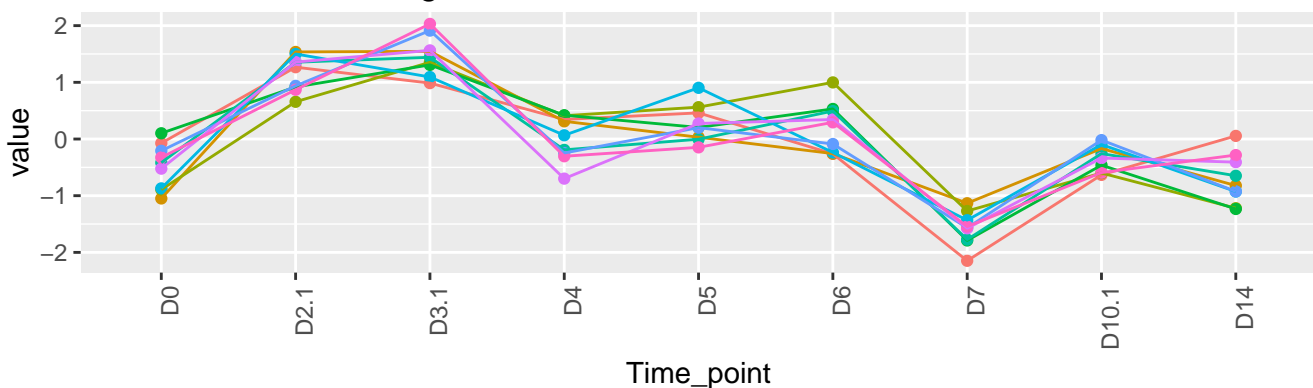
8 genes – KO-cluster-68-standardized



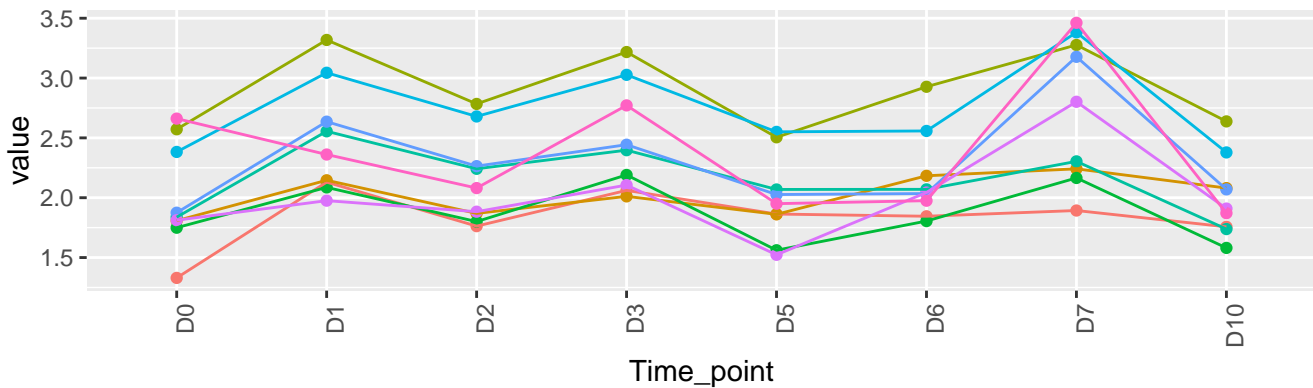
9 genes – WT-cluster-67-original



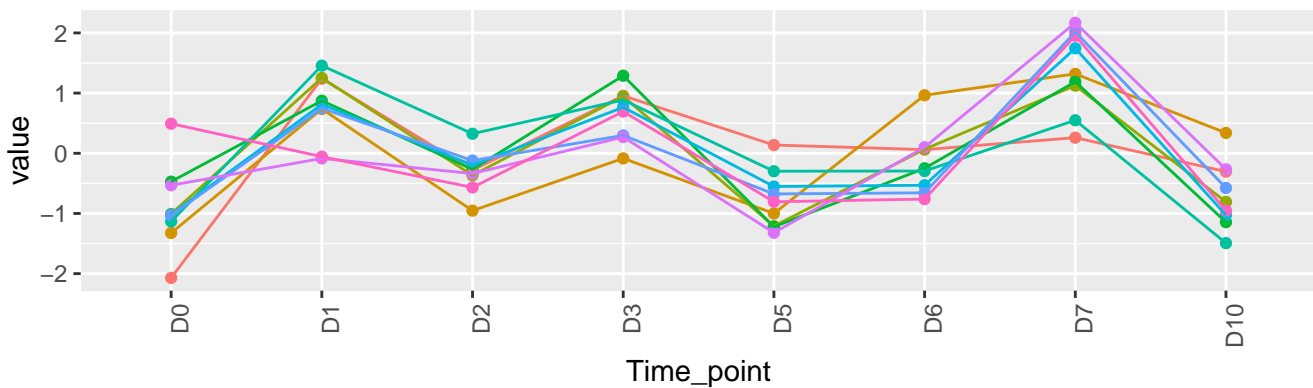
9 genes – WT-cluster-67-standardized



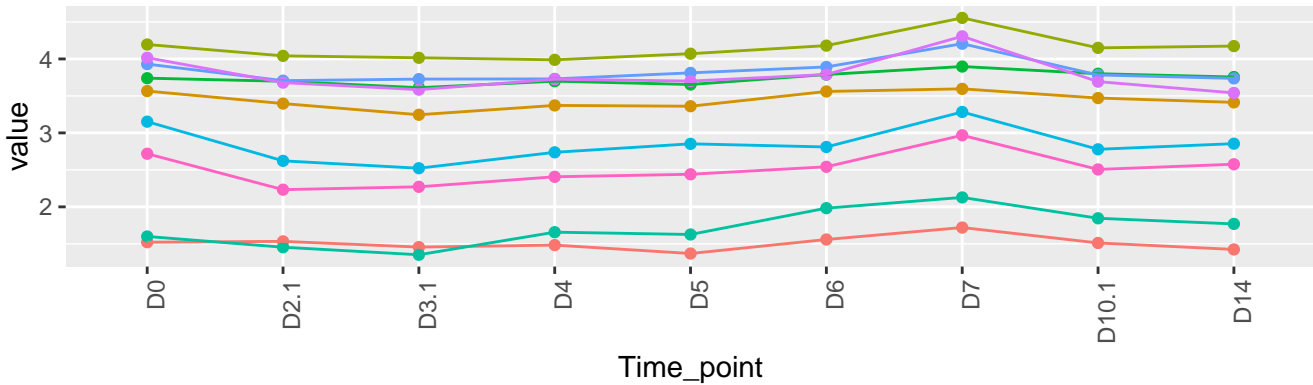
9 genes – KO-cluster-67-original



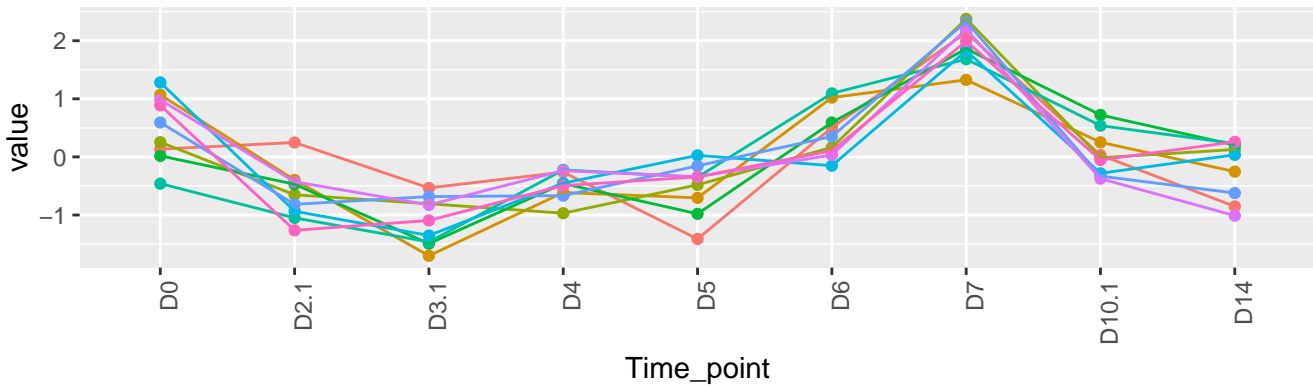
9 genes – KO-cluster-67-standardized



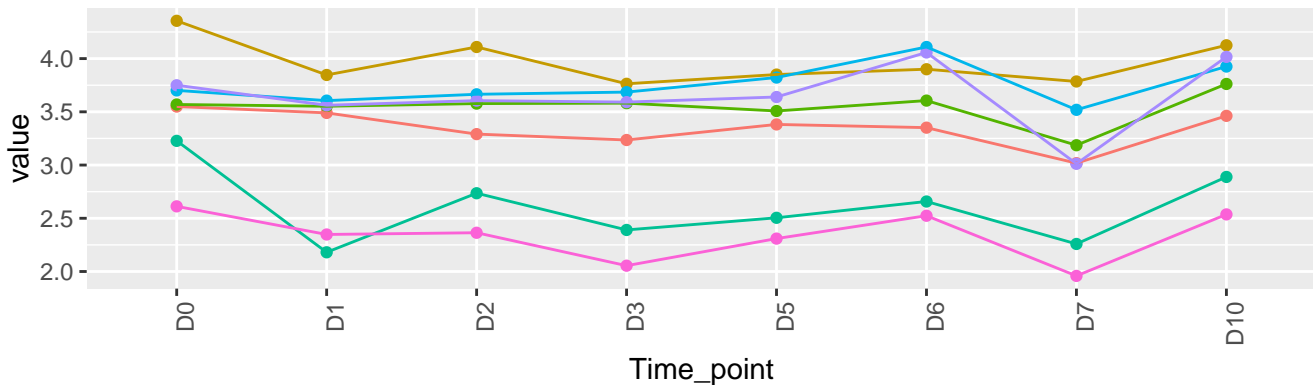
9 genes – WT-cluster-66-original



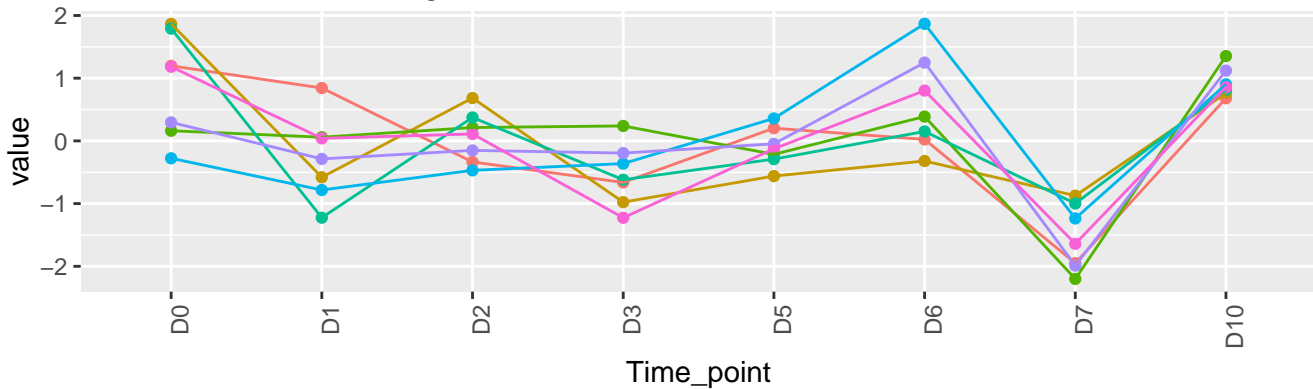
9 genes – WT-cluster-66-standardized



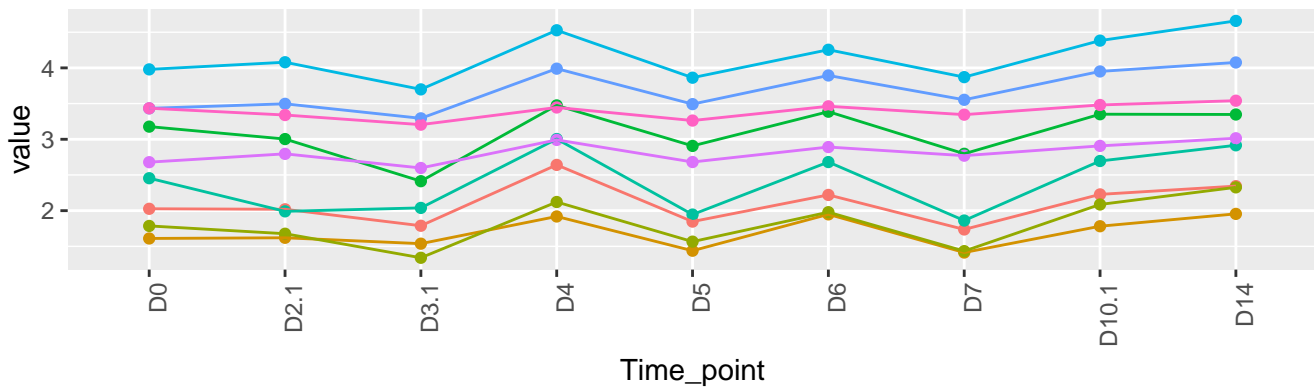
7 genes – KO-cluster-66-original



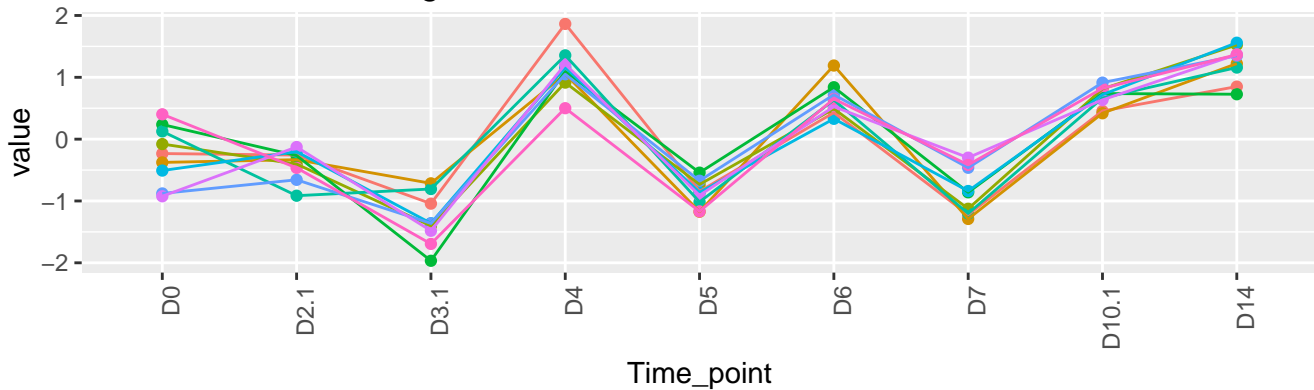
7 genes – KO-cluster-66-standardized



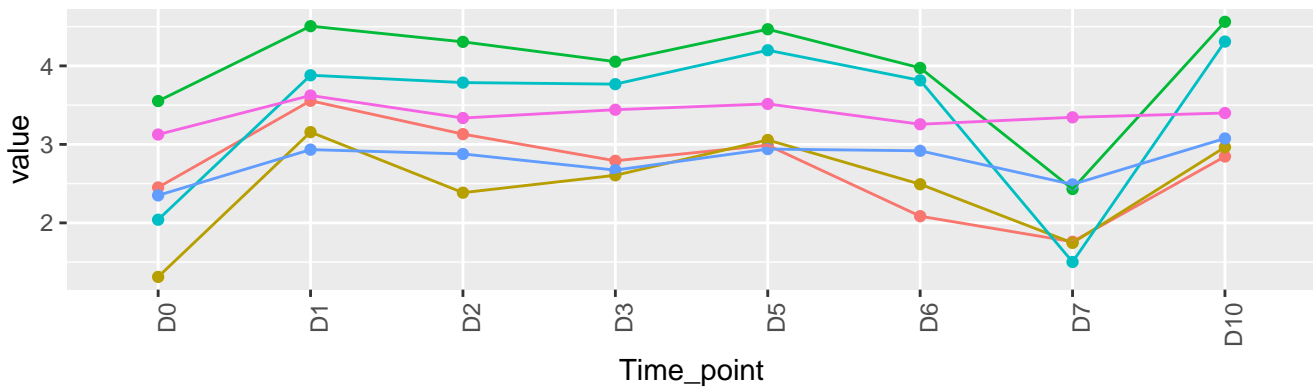
9 genes – WT-cluster-65-original



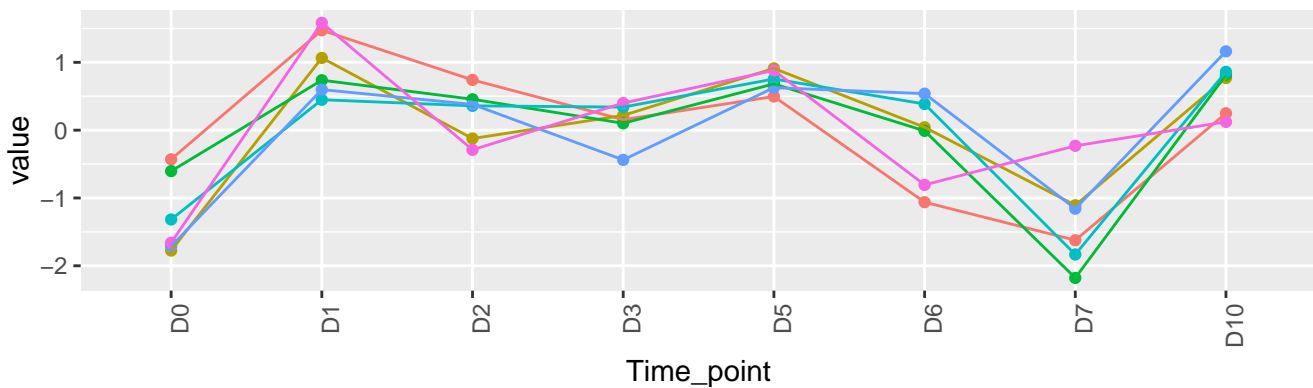
9 genes – WT-cluster-65-standardized



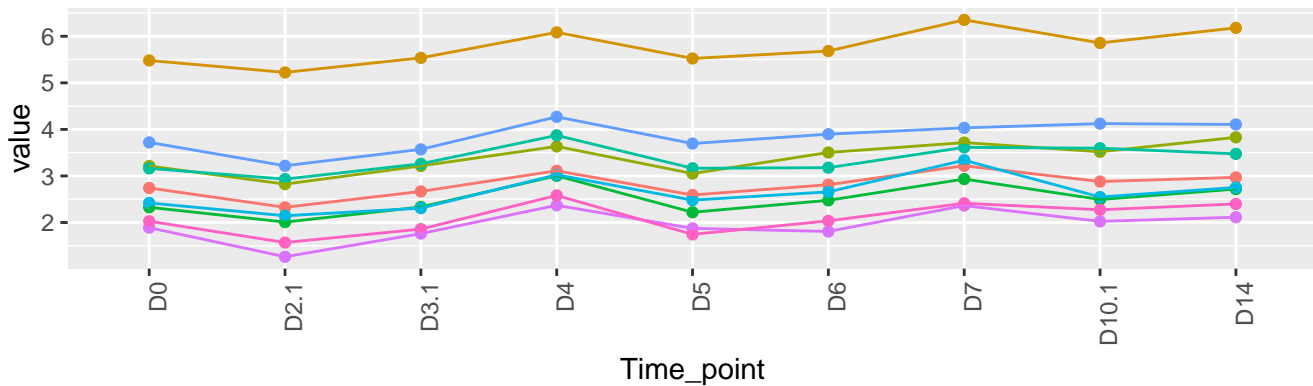
6 genes – KO-cluster-65-original



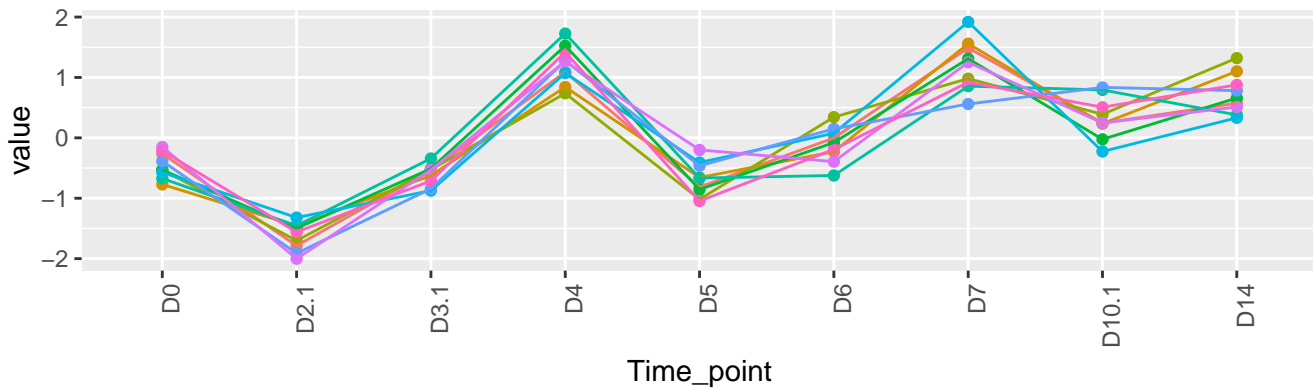
6 genes – KO-cluster-65-standardized



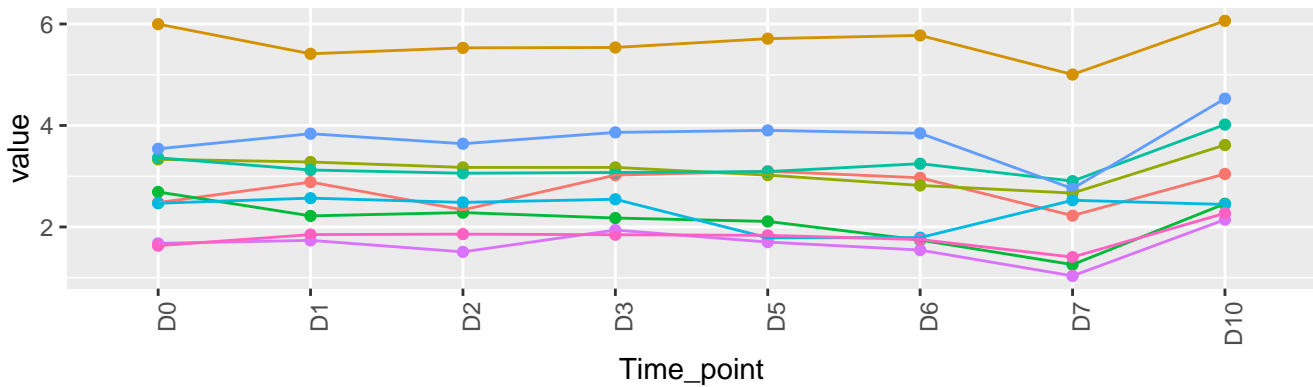
9 genes – WT-cluster-64-original



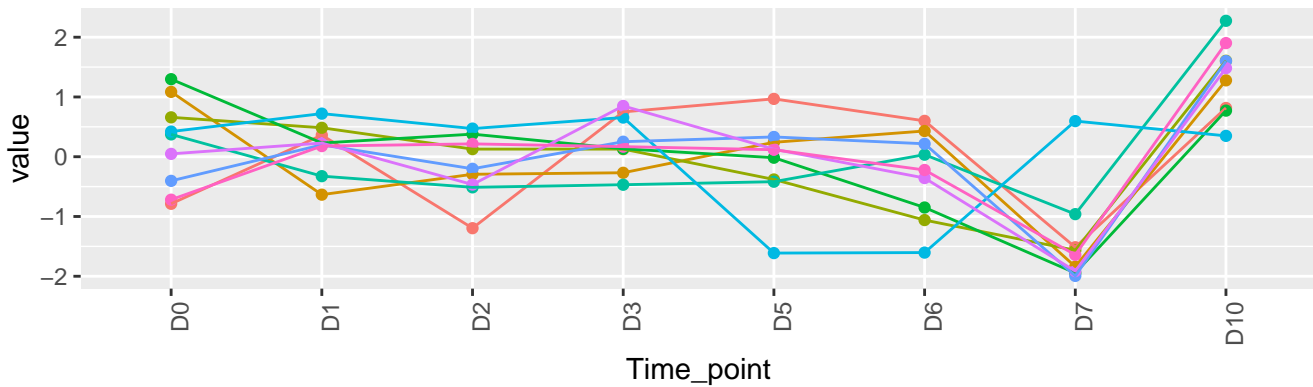
9 genes – WT-cluster-64-standardized



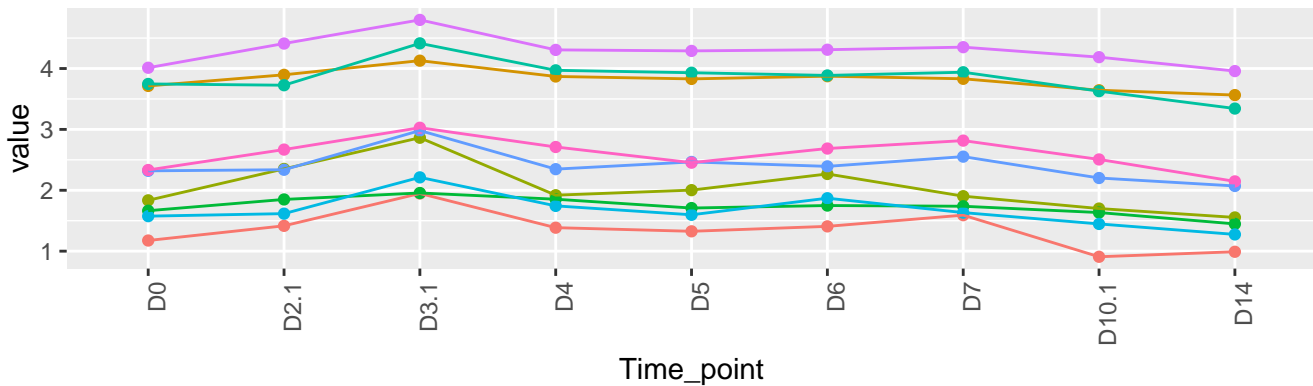
9 genes – KO-cluster-64-original



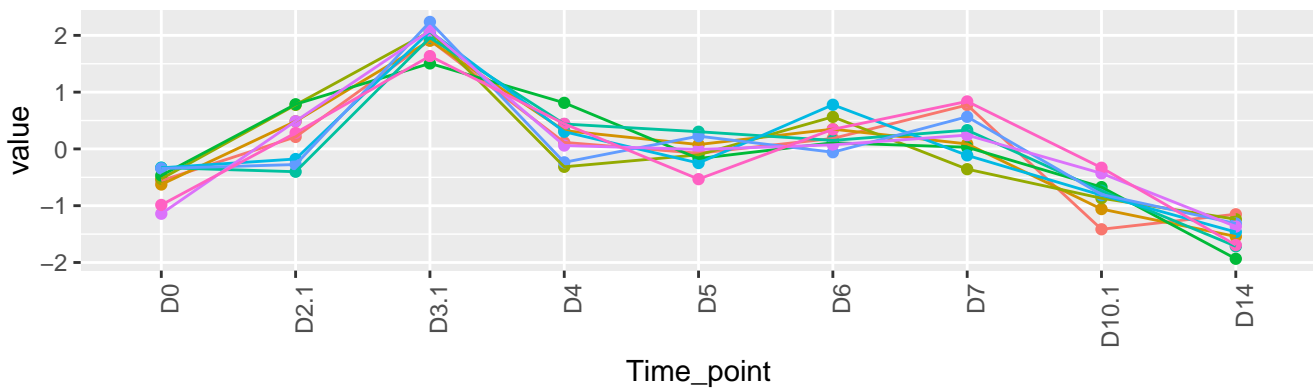
9 genes – KO-cluster-64-standardized



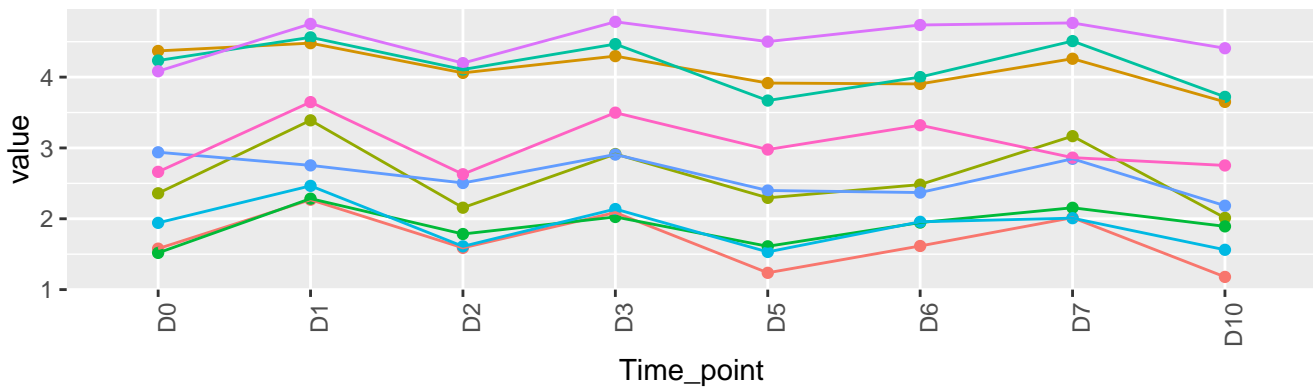
9 genes – WT-cluster-63-original



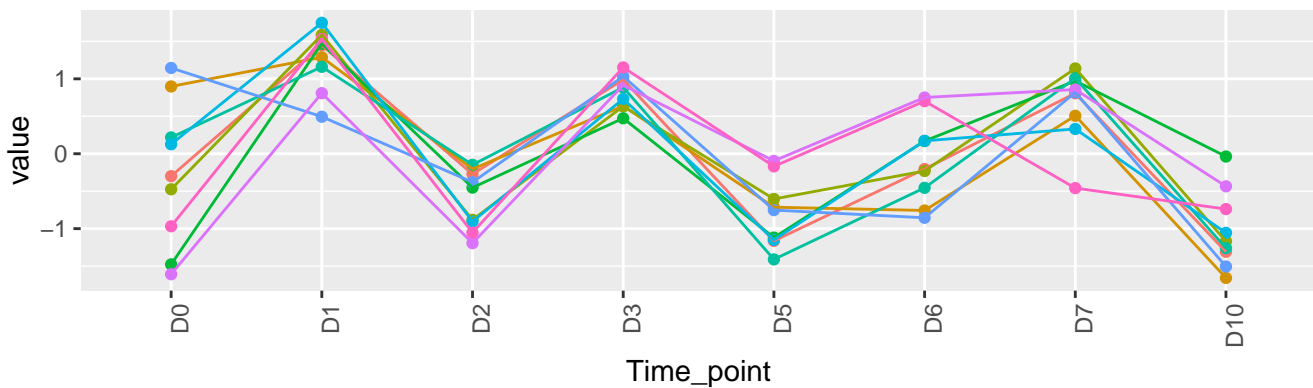
9 genes – WT-cluster-63-standardized



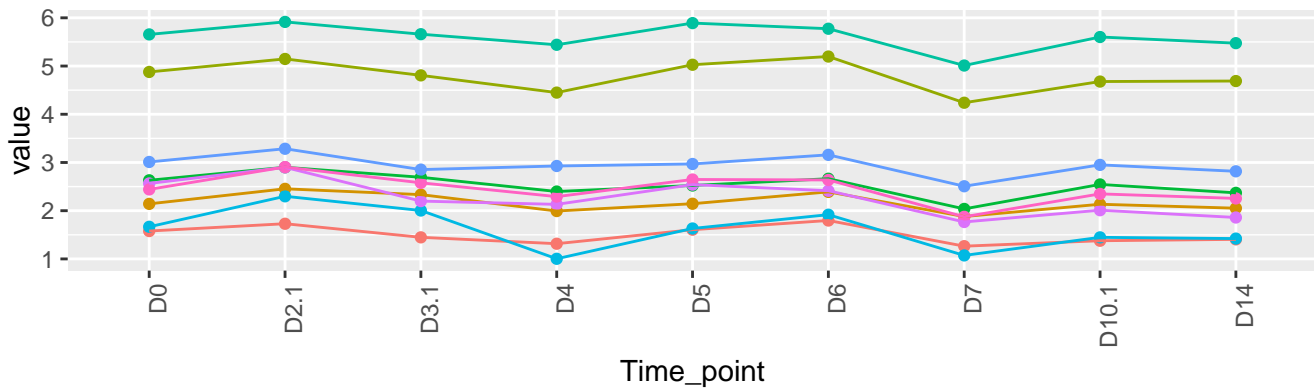
9 genes – KO-cluster-63-original



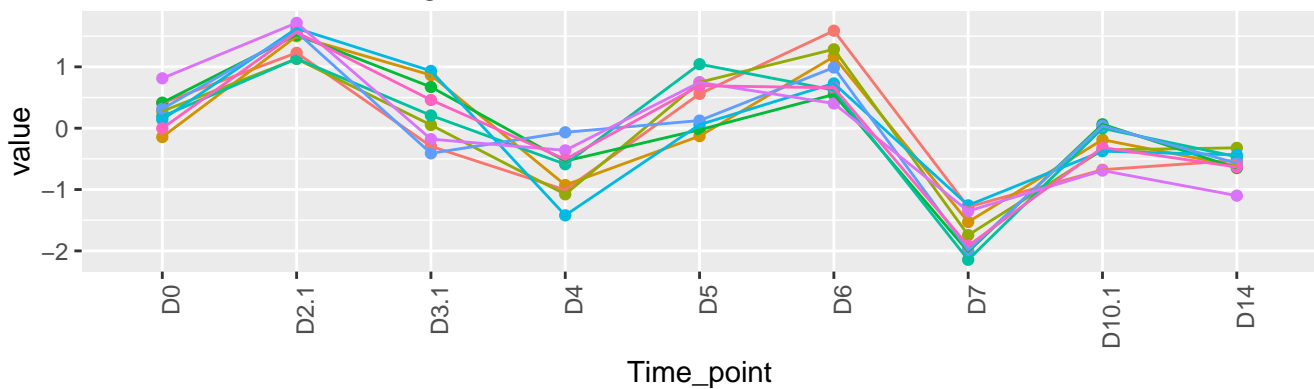
9 genes – KO-cluster-63-standardized



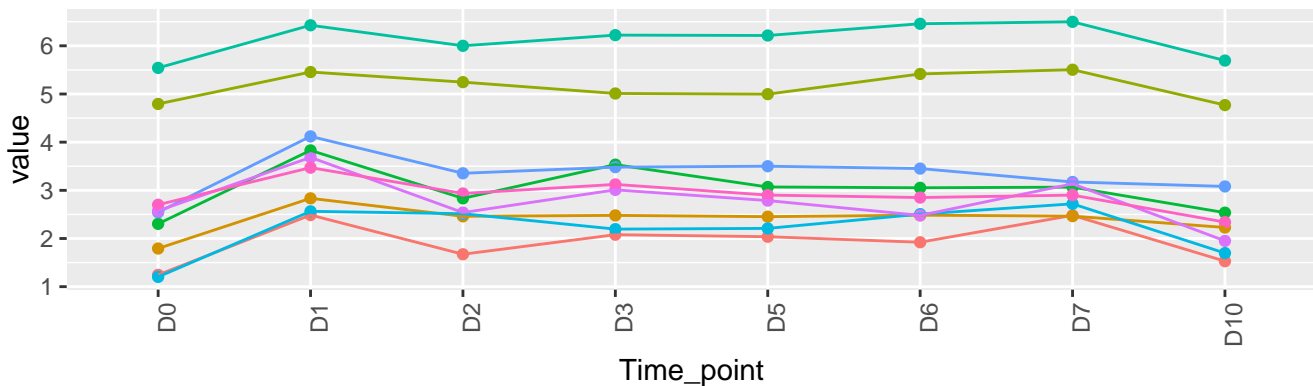
9 genes – WT-cluster-62-original



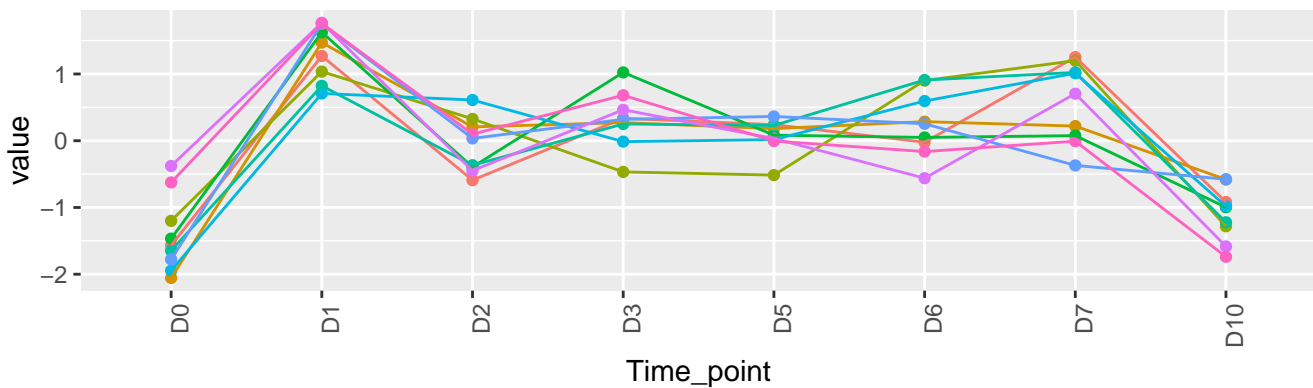
9 genes – WT-cluster-62-standardized



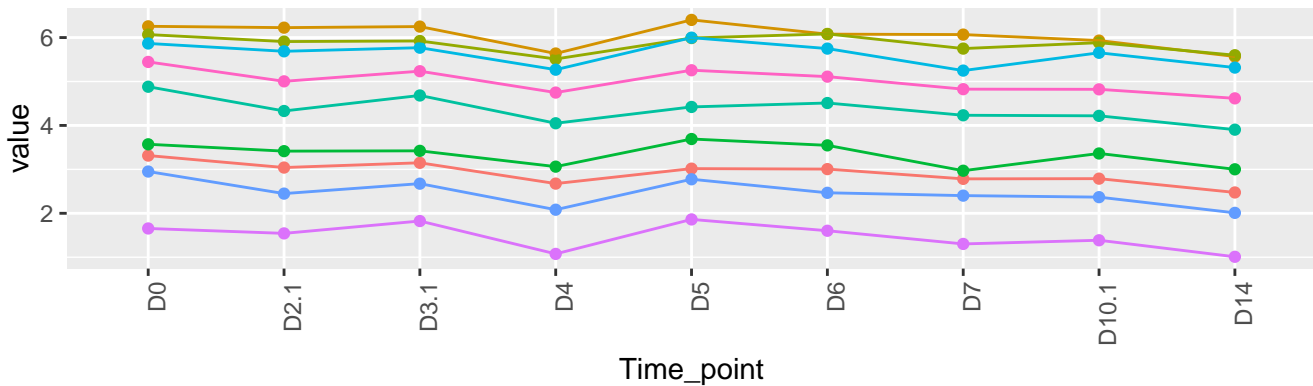
9 genes – KO-cluster-62-original



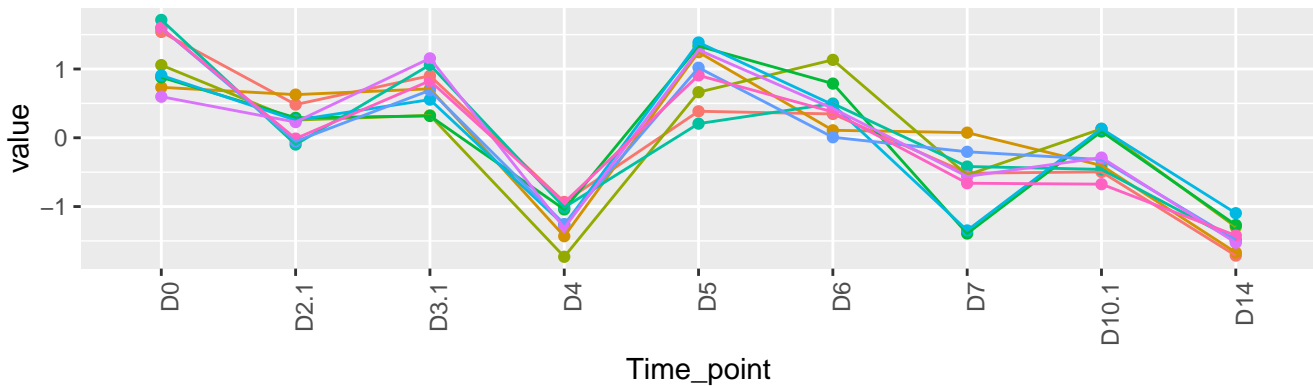
9 genes – KO-cluster-62-standardized



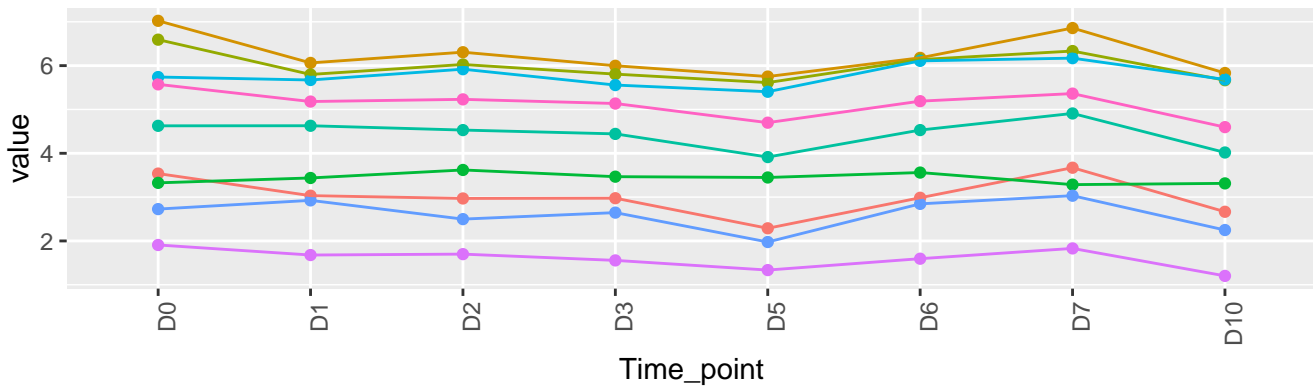
9 genes – WT-cluster-61-original



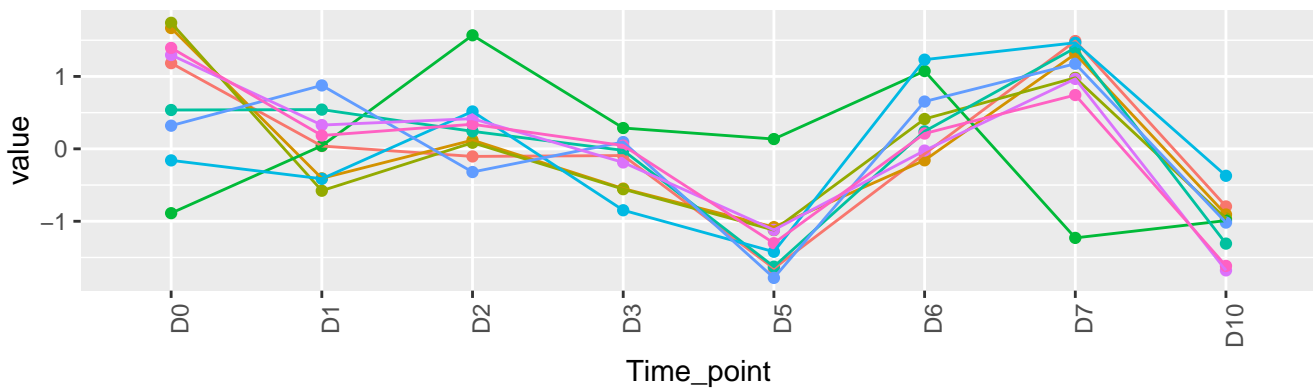
9 genes – WT-cluster-61-standardized



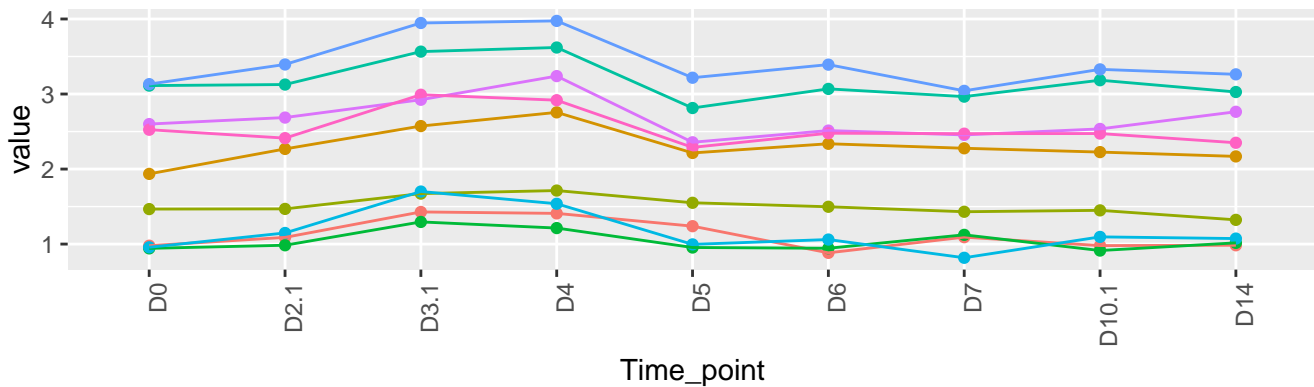
9 genes – KO-cluster-61-original



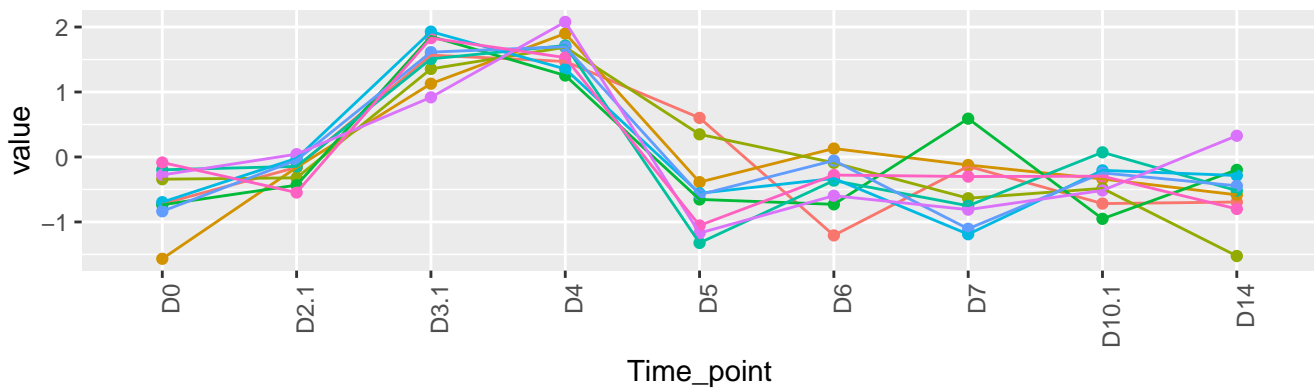
9 genes – KO-cluster-61-standardized



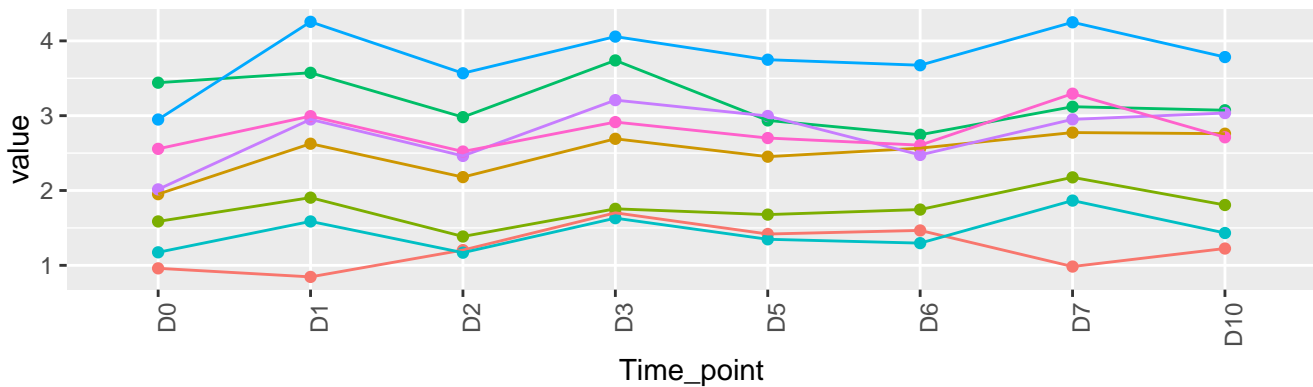
9 genes – WT-cluster-60-original



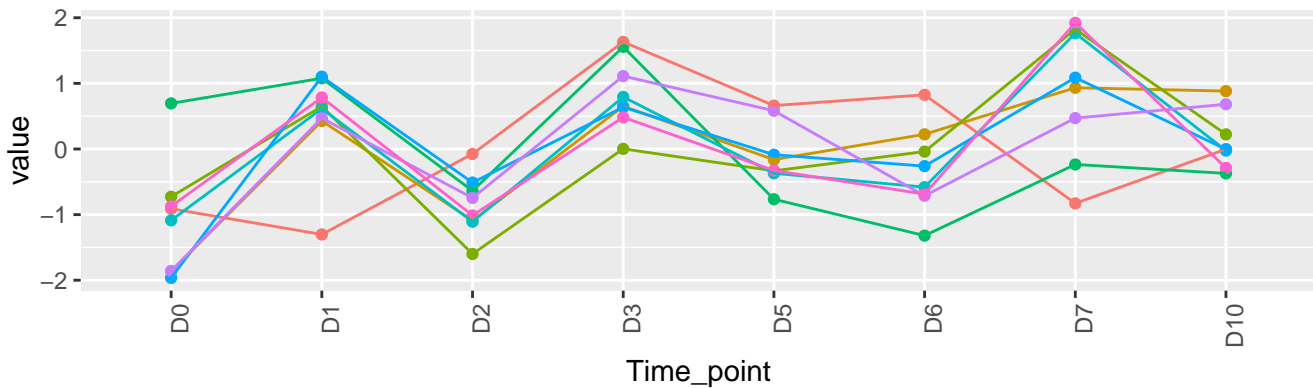
9 genes – WT-cluster-60-standardized



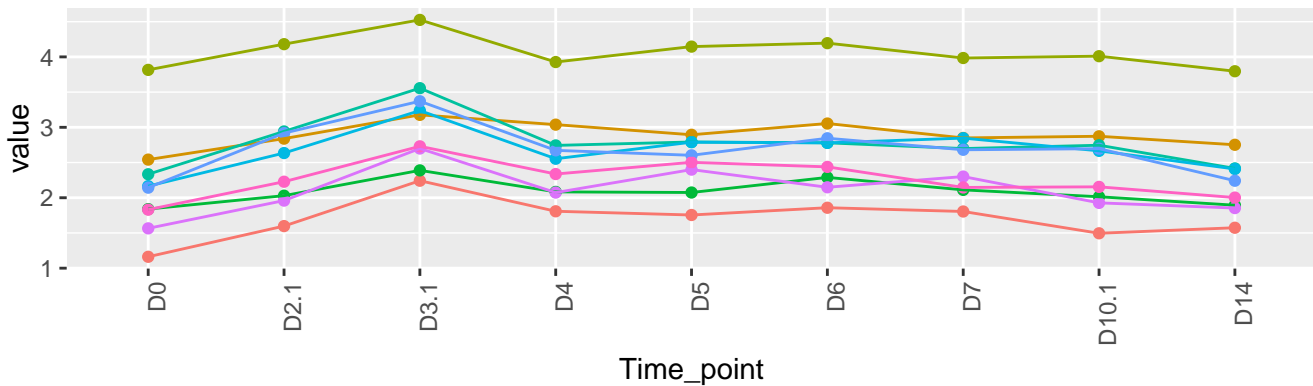
8 genes – KO-cluster-60-original



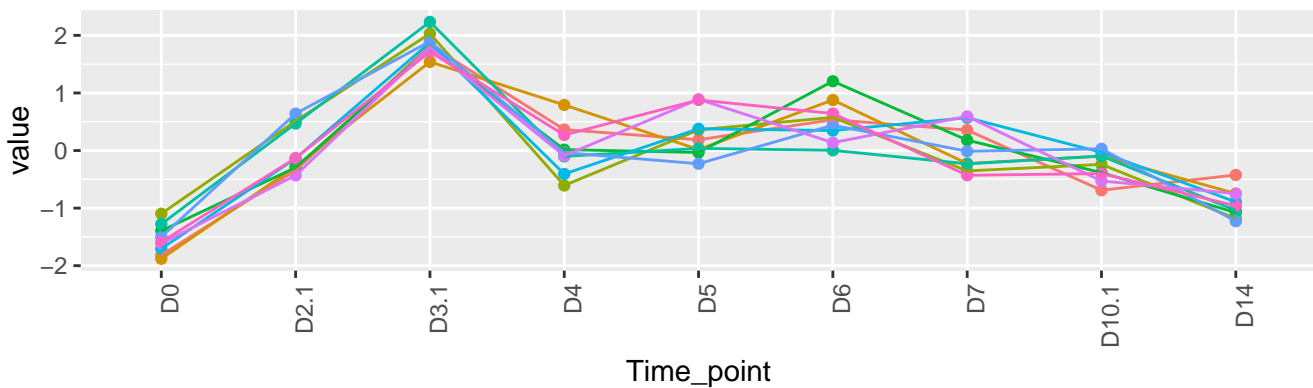
8 genes – KO-cluster-60-standardized



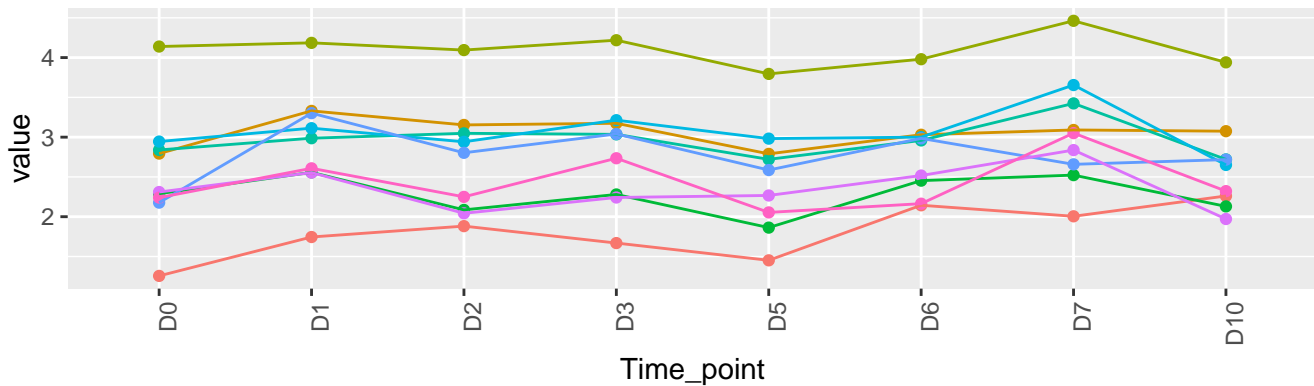
9 genes – WT-cluster-59-original



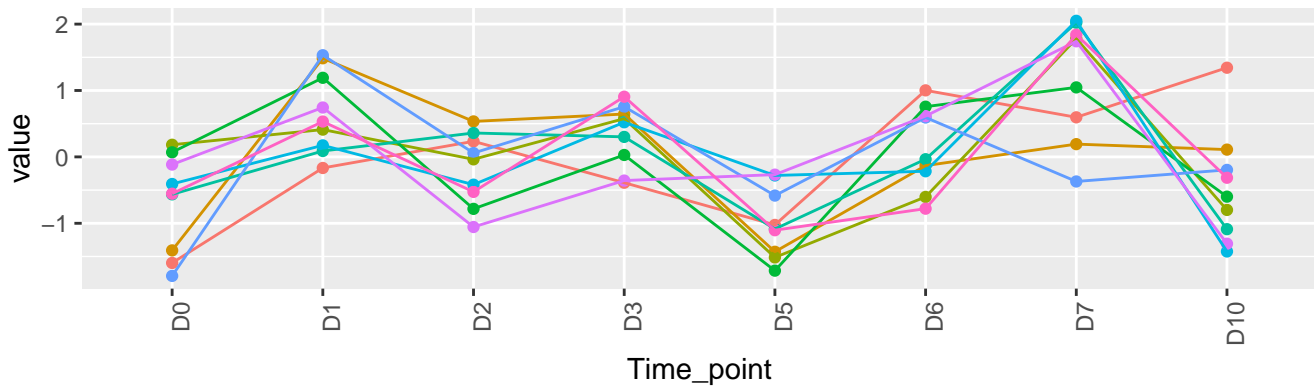
9 genes – WT-cluster-59-standardized



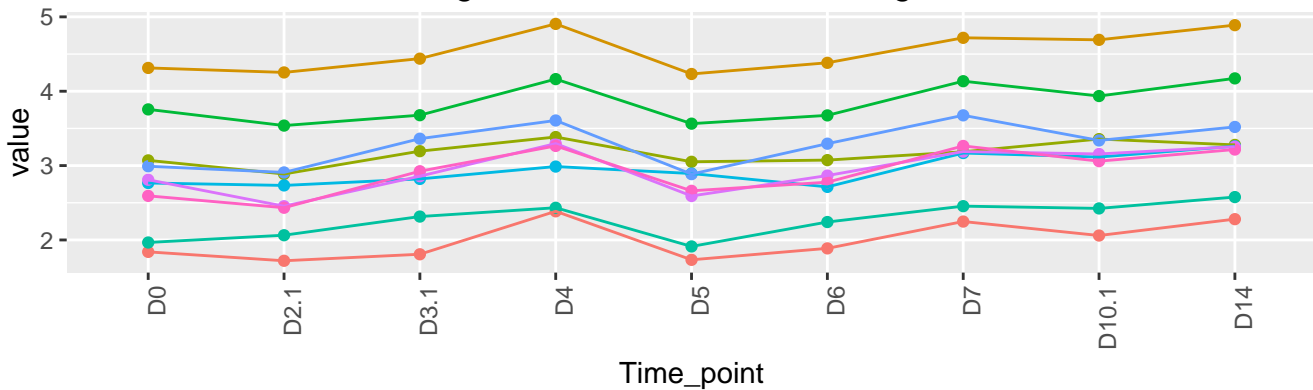
9 genes – KO-cluster-59-original



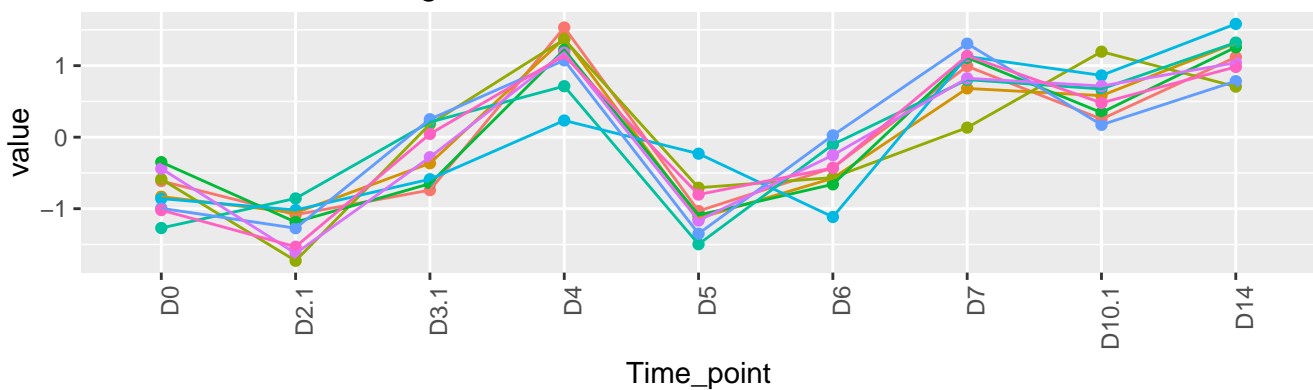
9 genes – KO-cluster-59-standardized



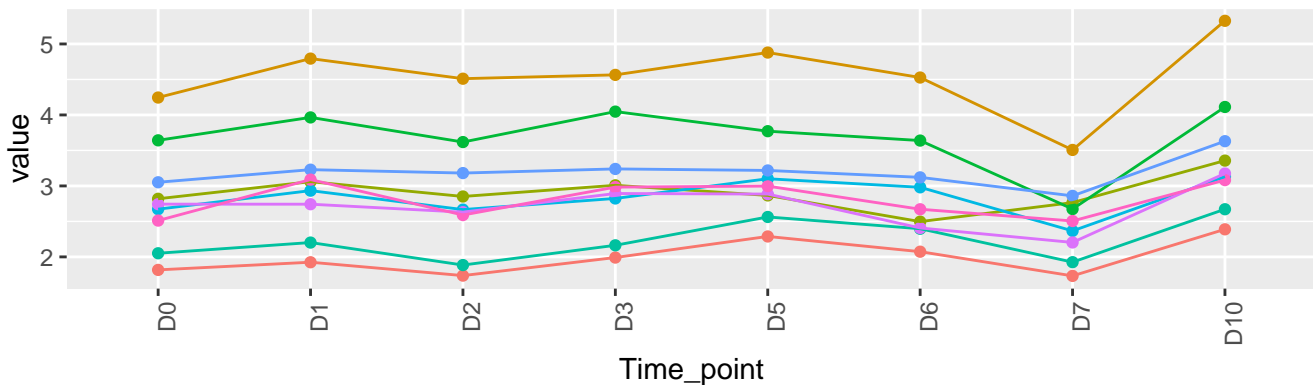
9 genes – WT-cluster-58-original



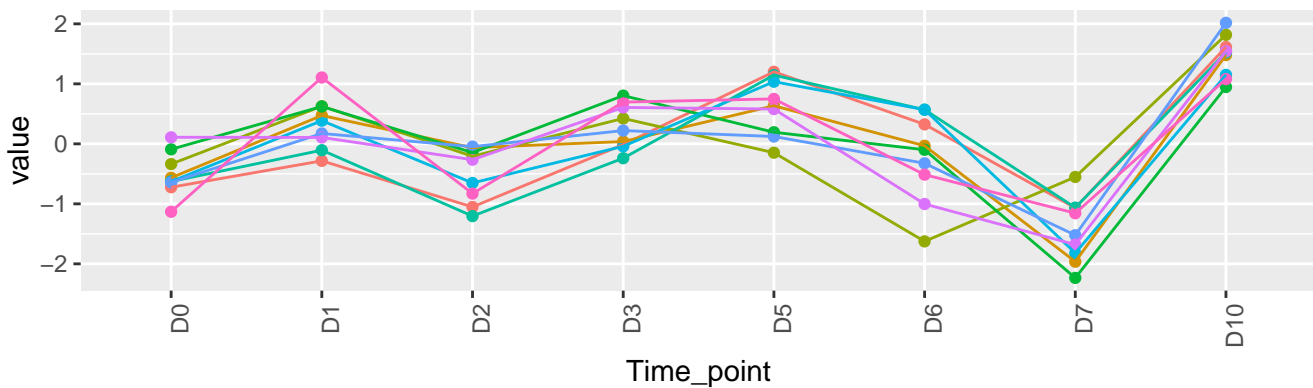
9 genes – WT-cluster-58-standardized



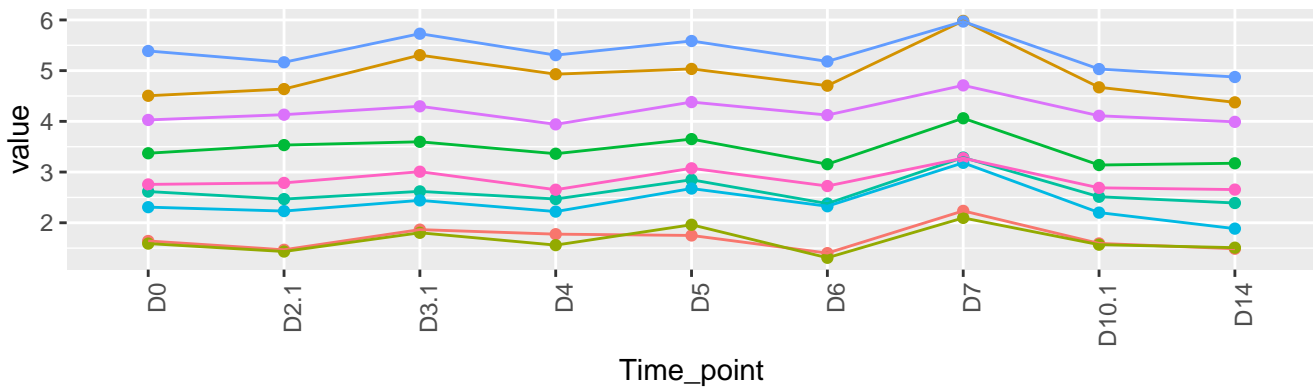
9 genes – KO-cluster-58-original



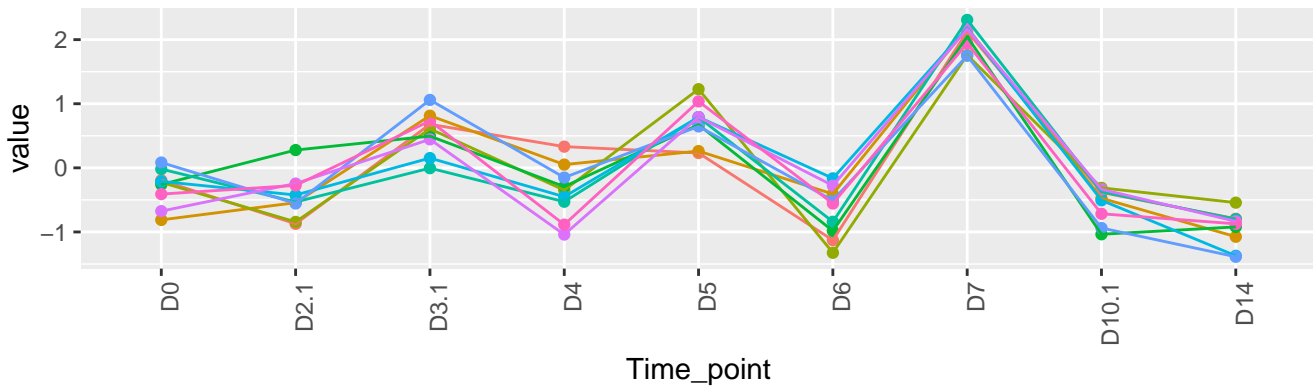
9 genes – KO-cluster-58-standardized



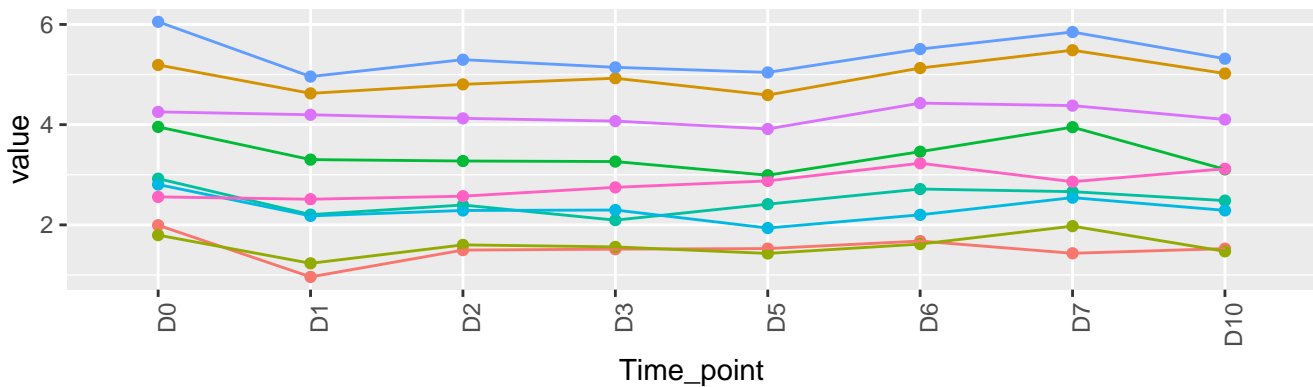
9 genes – WT-cluster-57-original



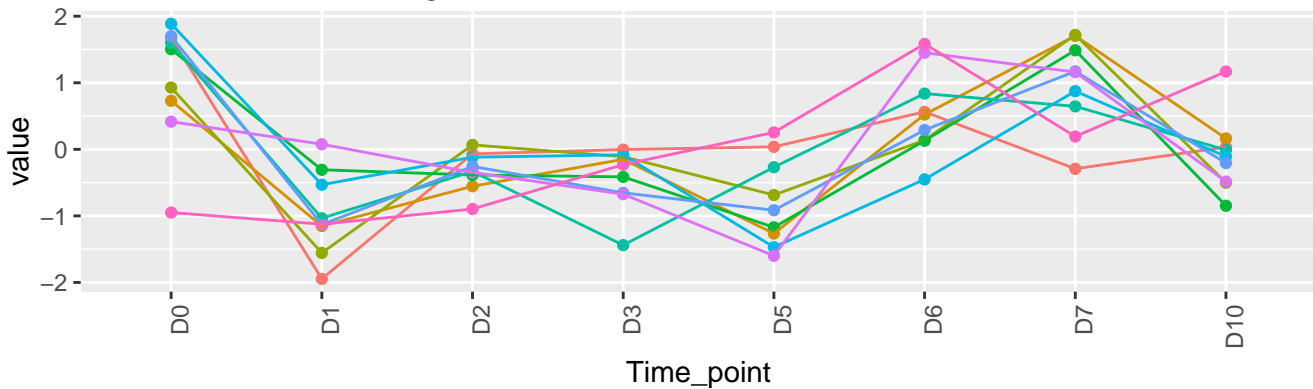
9 genes – WT-cluster-57-standardized



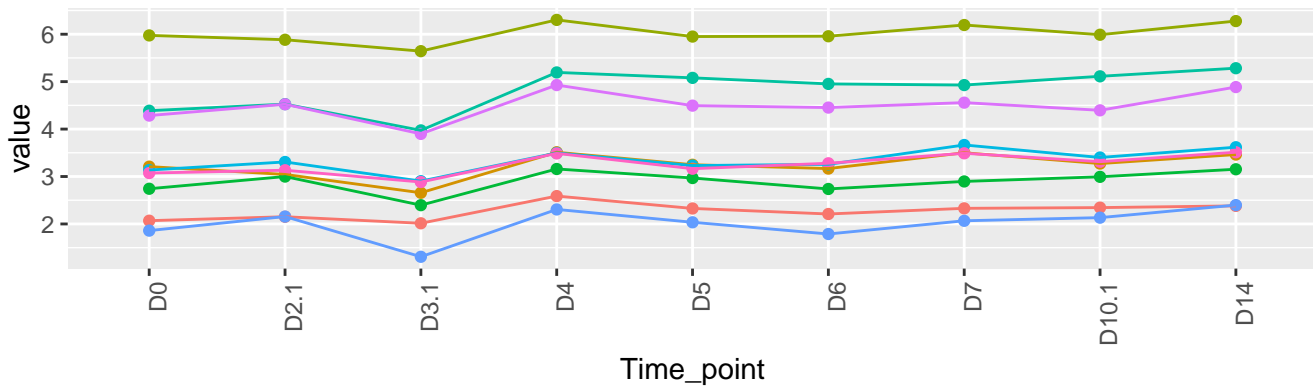
9 genes – KO-cluster-57-original



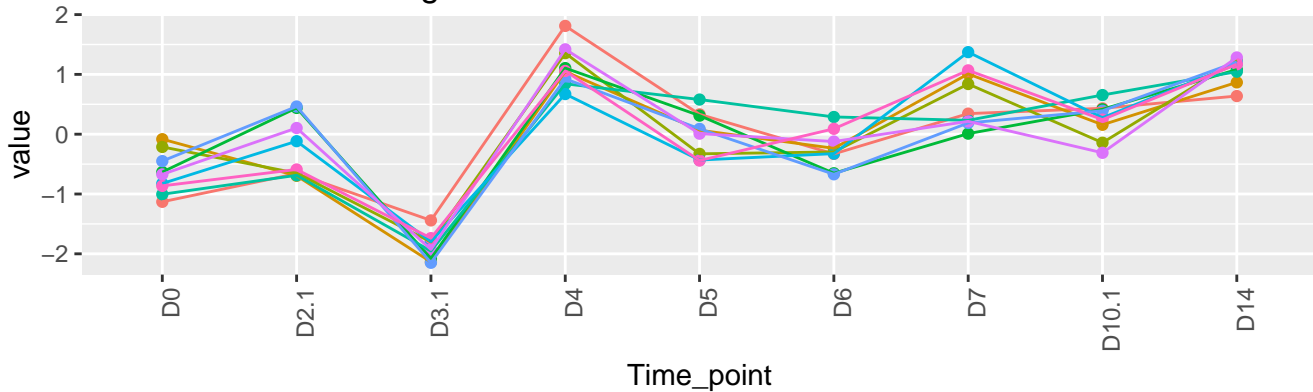
9 genes – KO-cluster-57-standardized



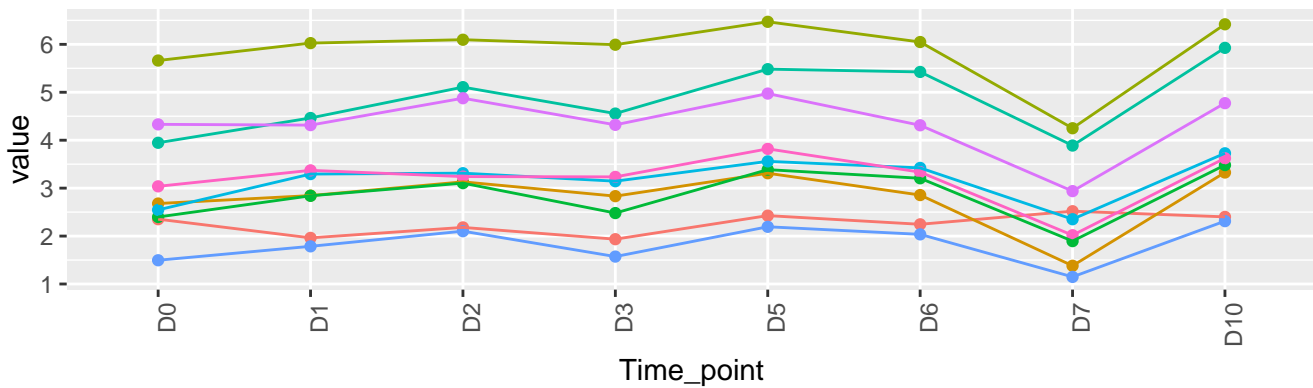
9 genes – WT-cluster-56-original



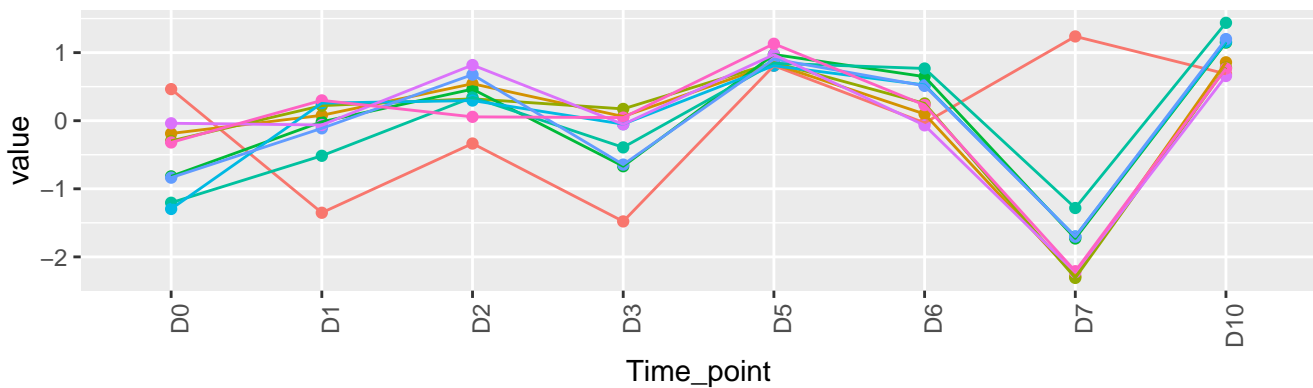
9 genes – WT-cluster-56-standardized



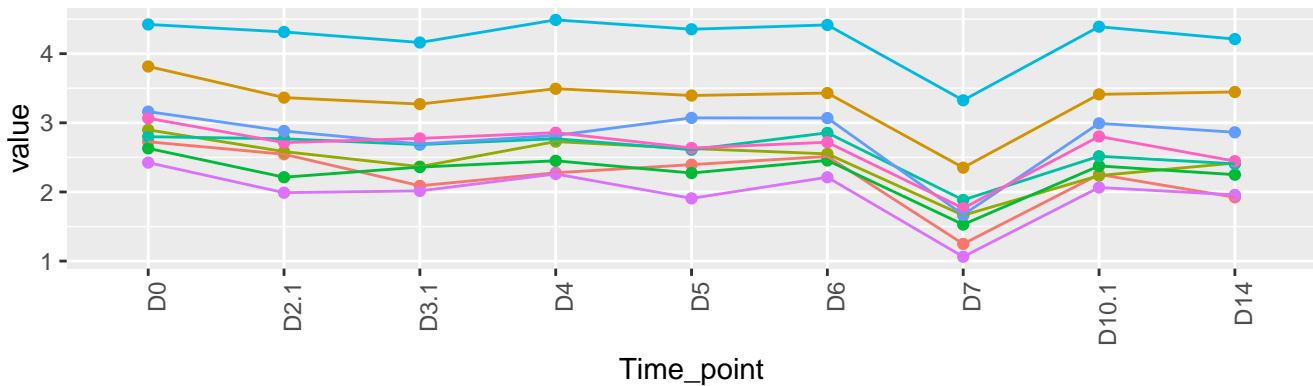
9 genes – KO-cluster-56-original



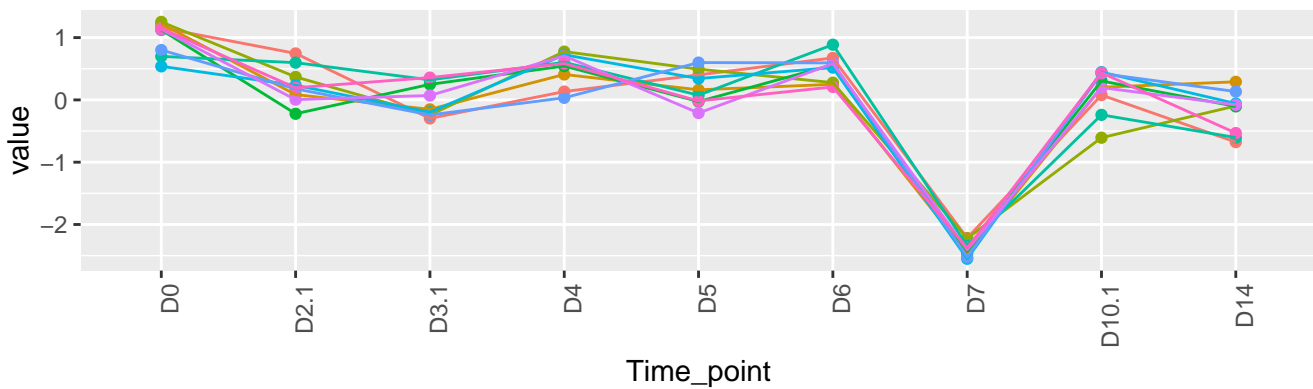
9 genes – KO-cluster-56-standardized



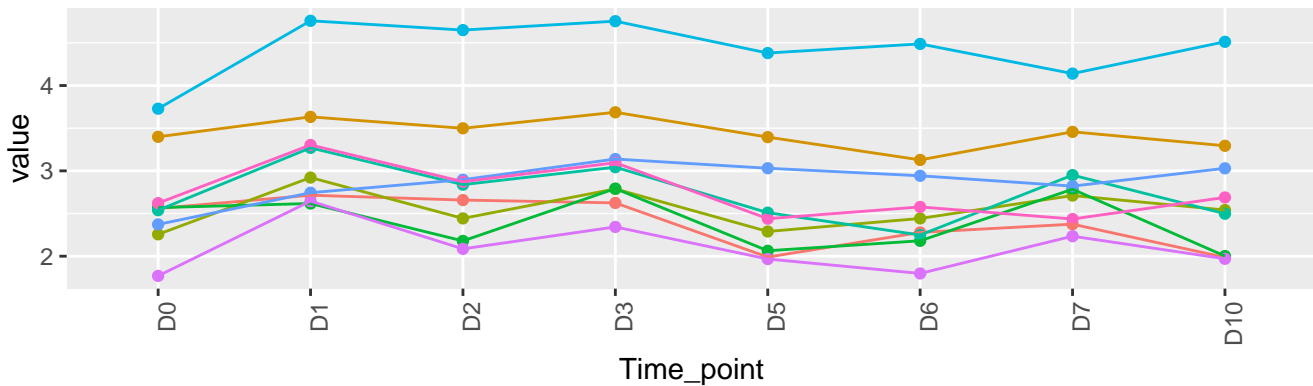
9 genes – WT-cluster-55-original



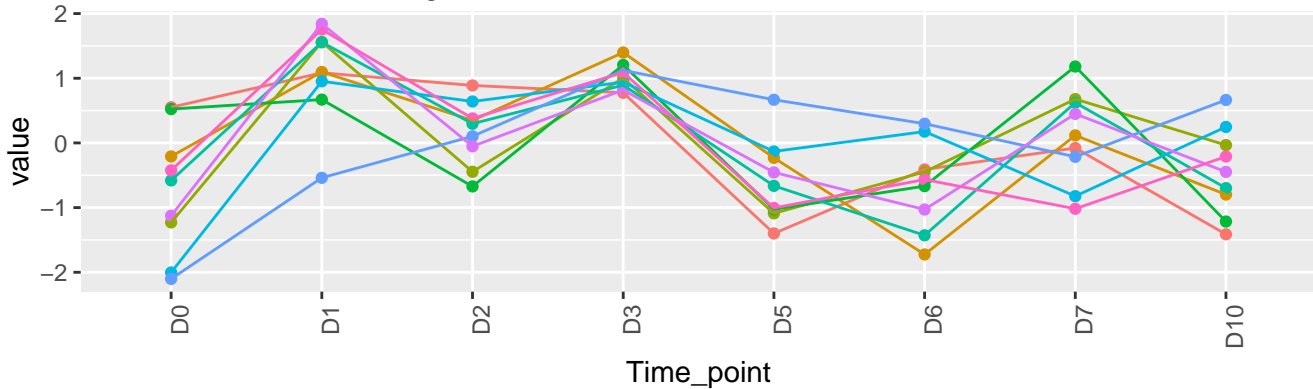
9 genes – WT-cluster-55-standardized



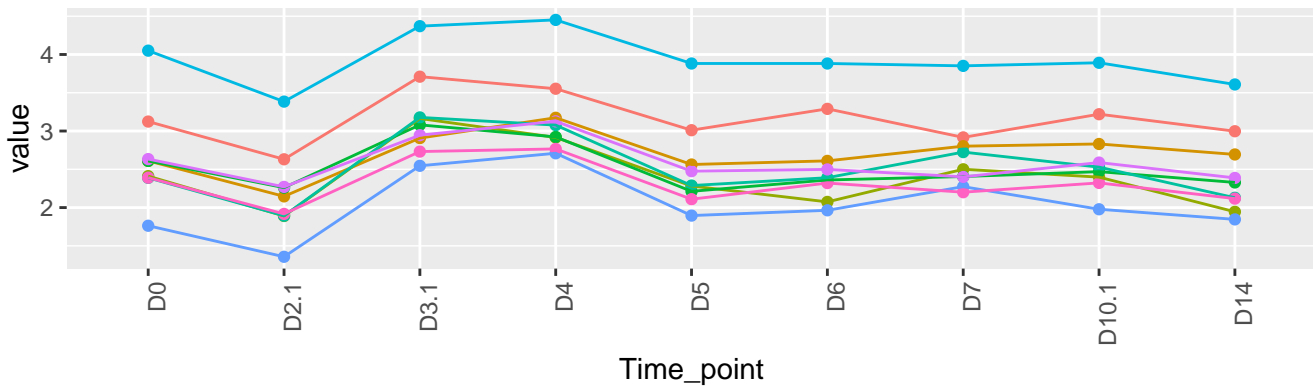
9 genes – KO-cluster-55-original



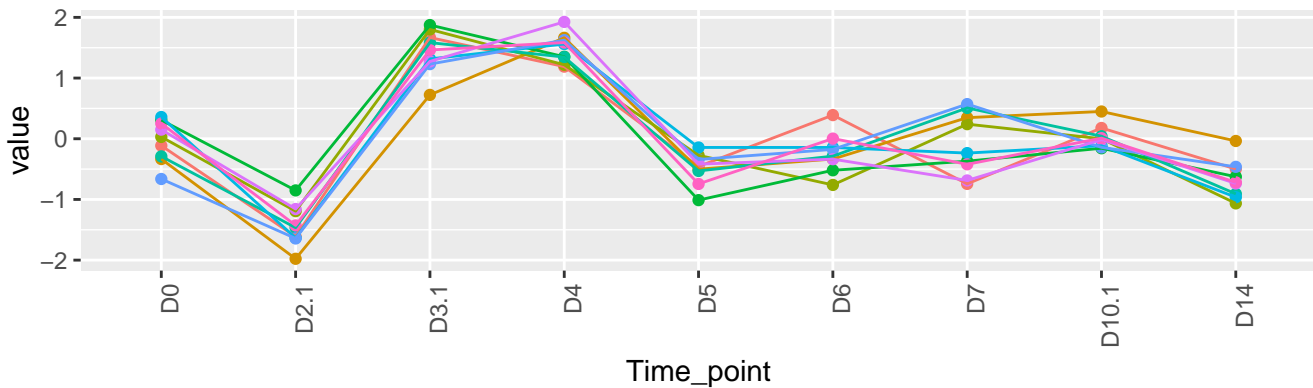
9 genes – KO-cluster-55-standardized



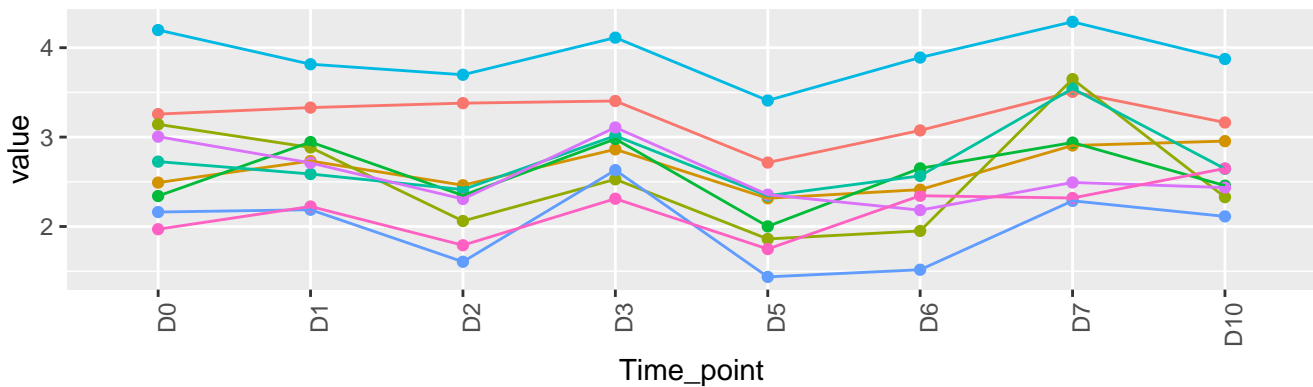
9 genes – WT-cluster-54-original



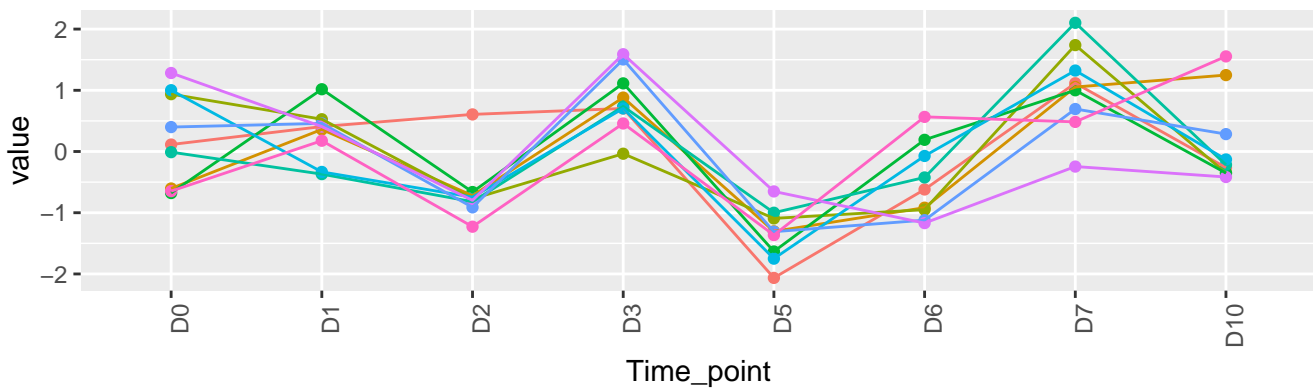
9 genes – WT-cluster-54-standardized



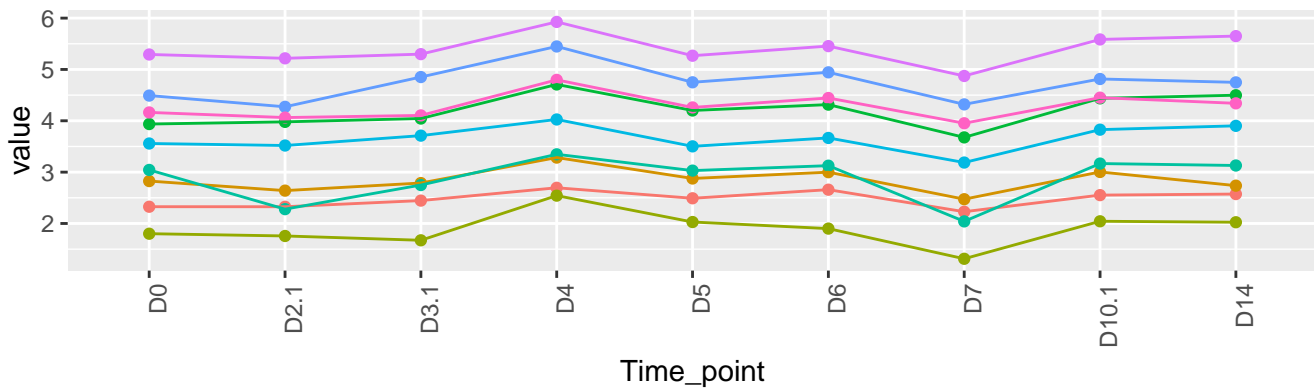
9 genes – KO-cluster-54-original



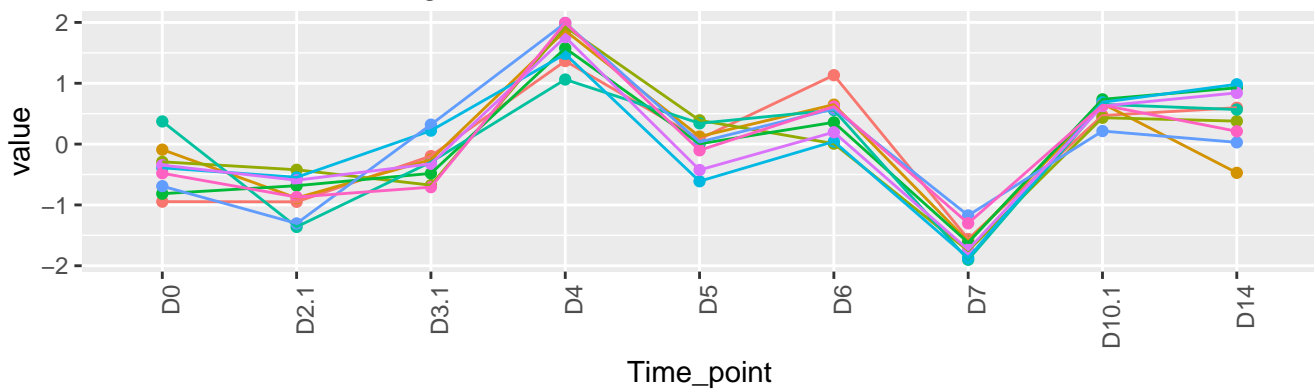
9 genes – KO-cluster-54-standardized



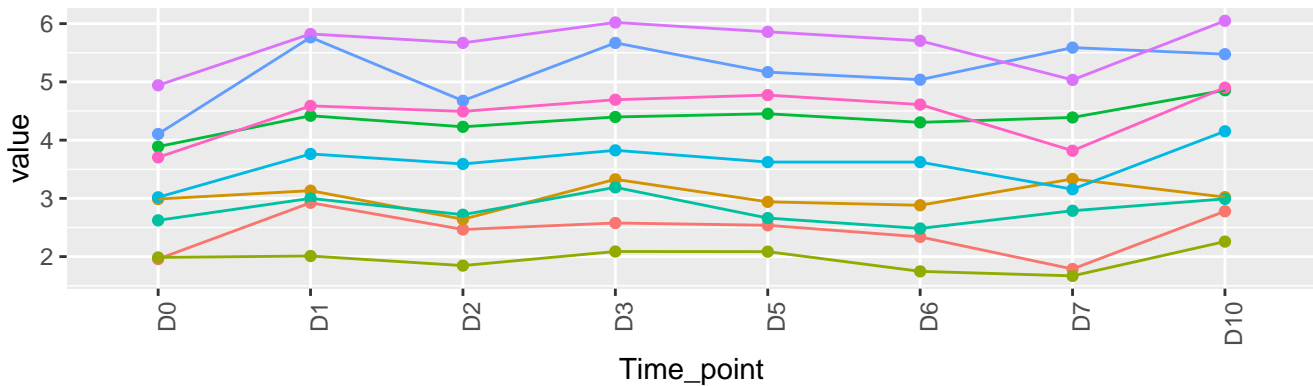
9 genes – WT-cluster-53-original



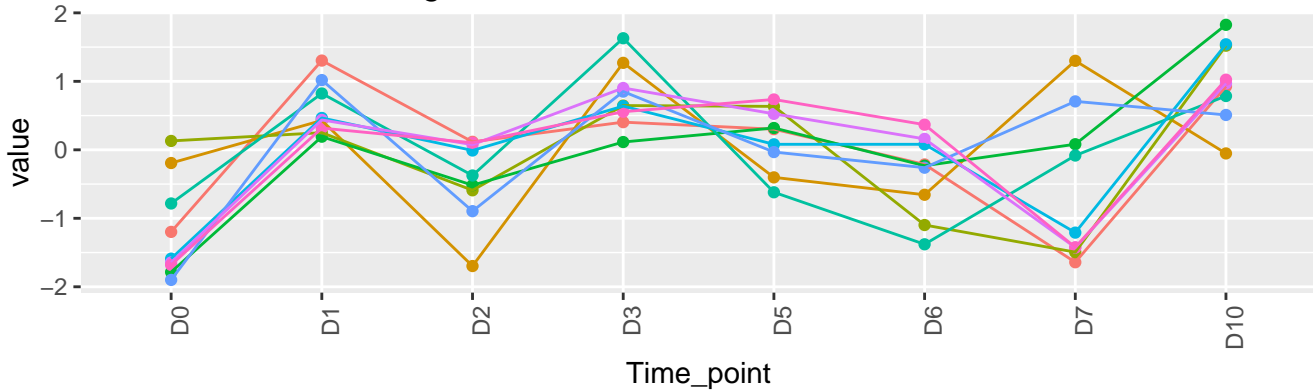
9 genes – WT-cluster-53-standardized



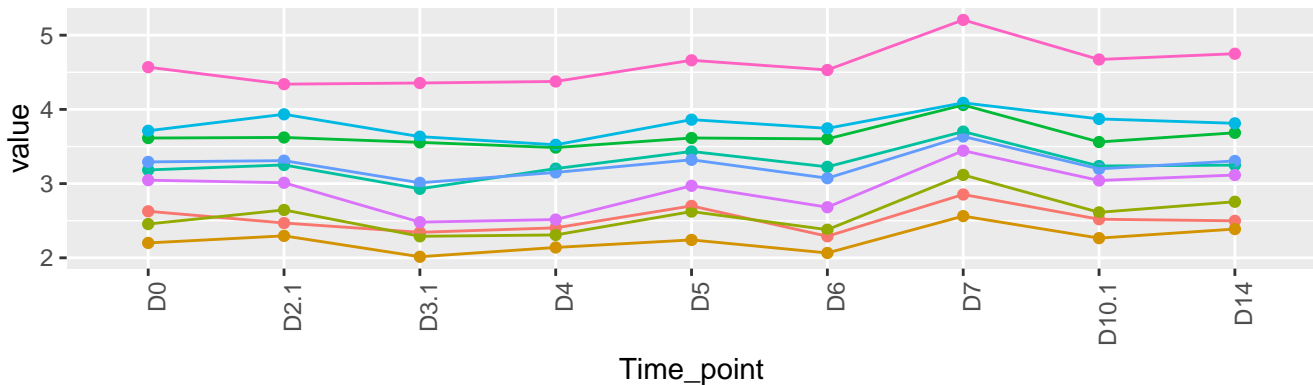
9 genes – KO-cluster-53-original



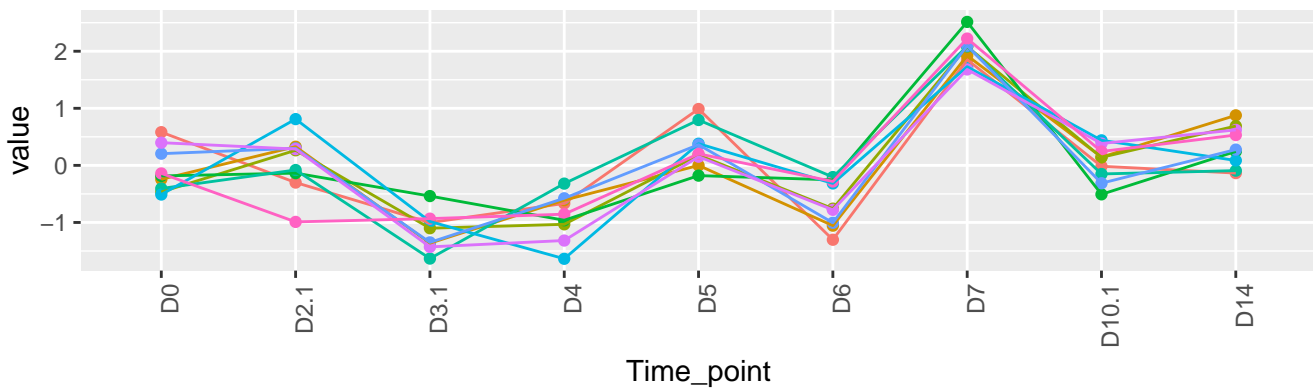
9 genes – KO-cluster-53-standardized



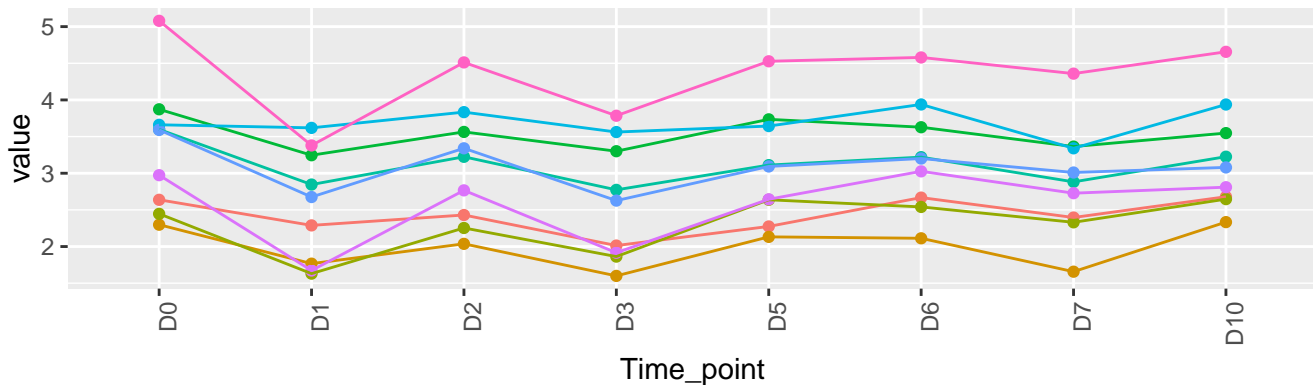
9 genes – WT-cluster-52-original



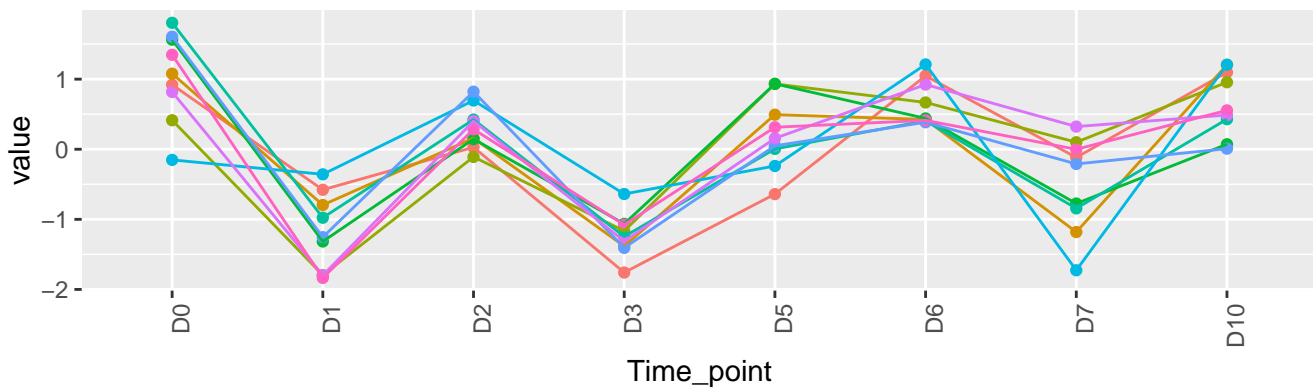
9 genes – WT-cluster-52-standardized



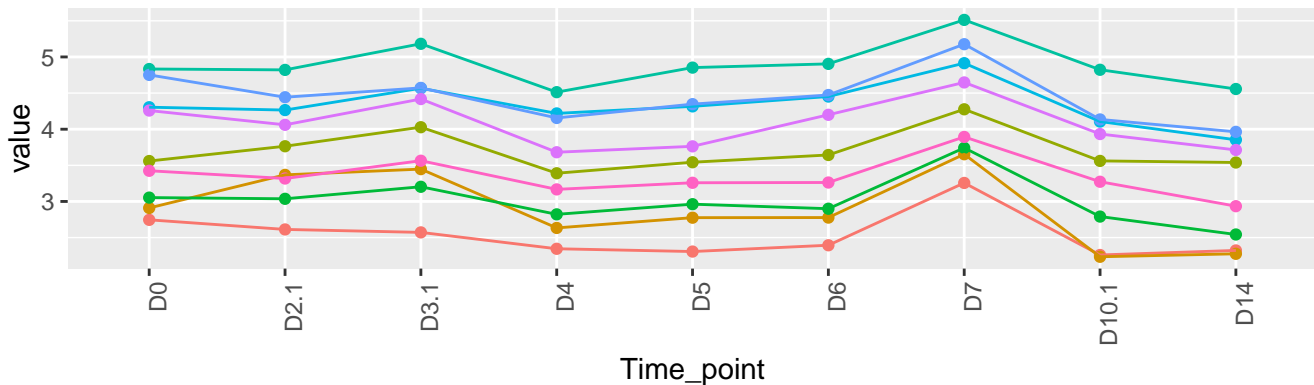
9 genes – KO-cluster-52-original



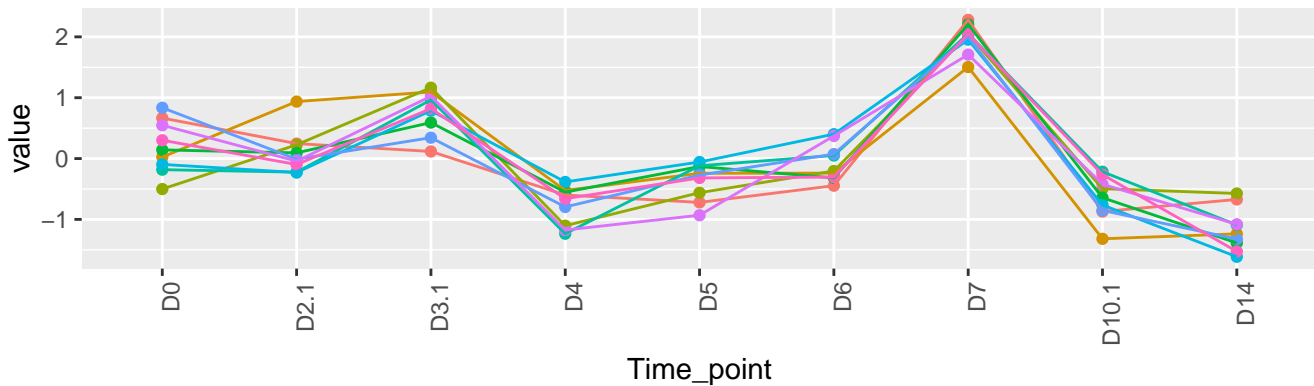
9 genes – KO-cluster-52-standardized



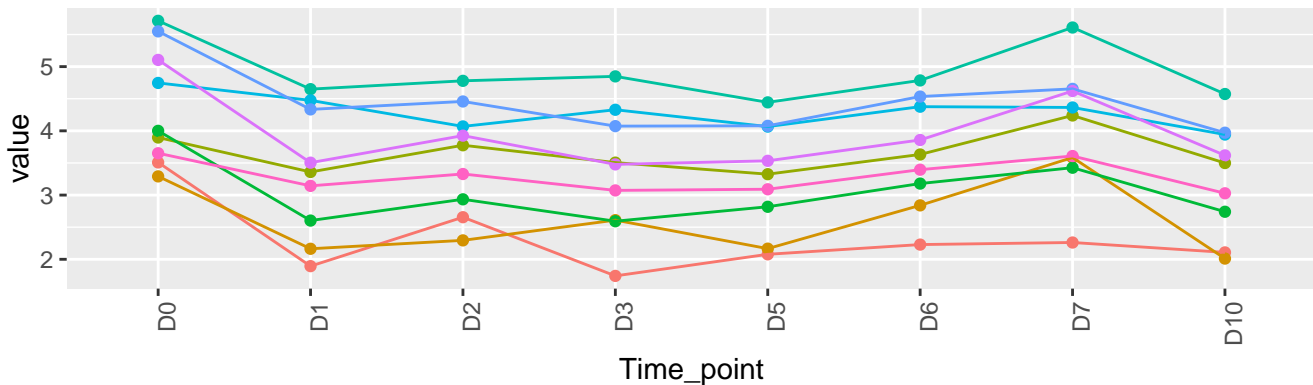
9 genes – WT-cluster-51-original



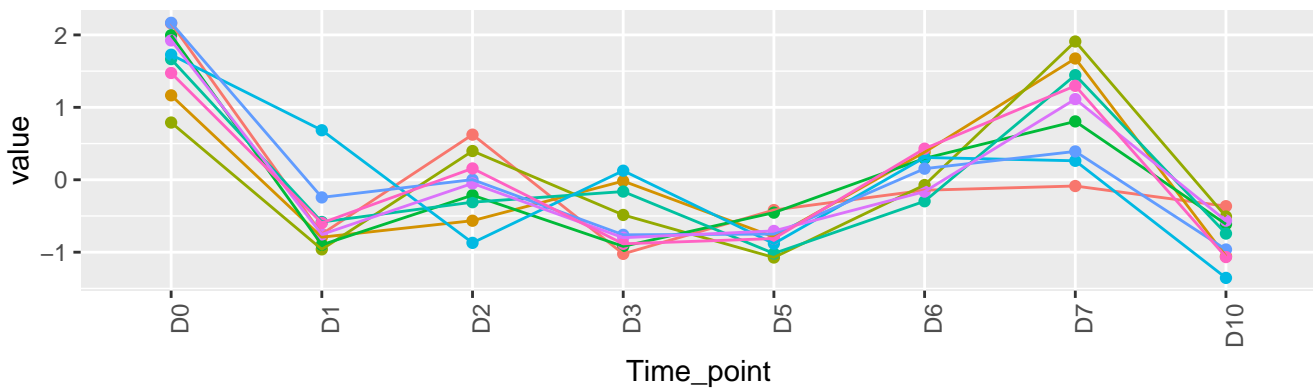
9 genes – WT-cluster-51-standardized



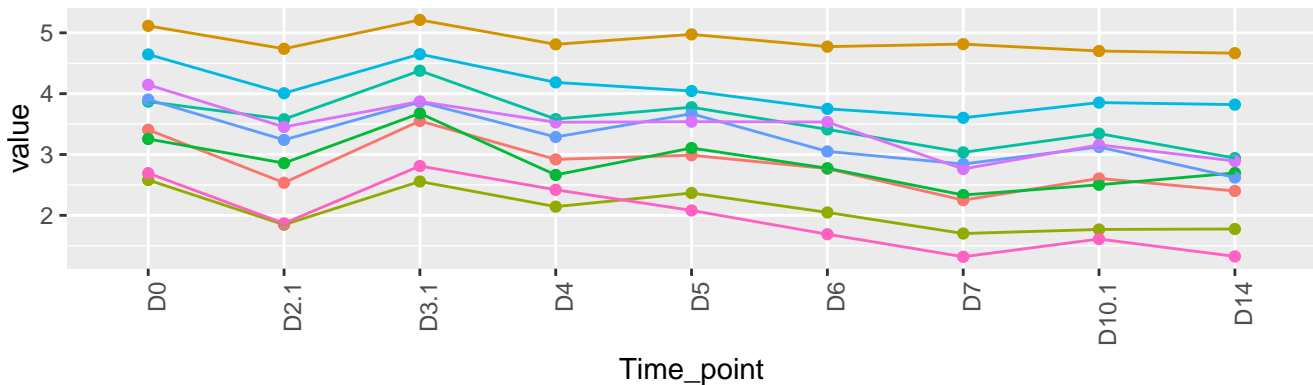
9 genes – KO-cluster-51-original



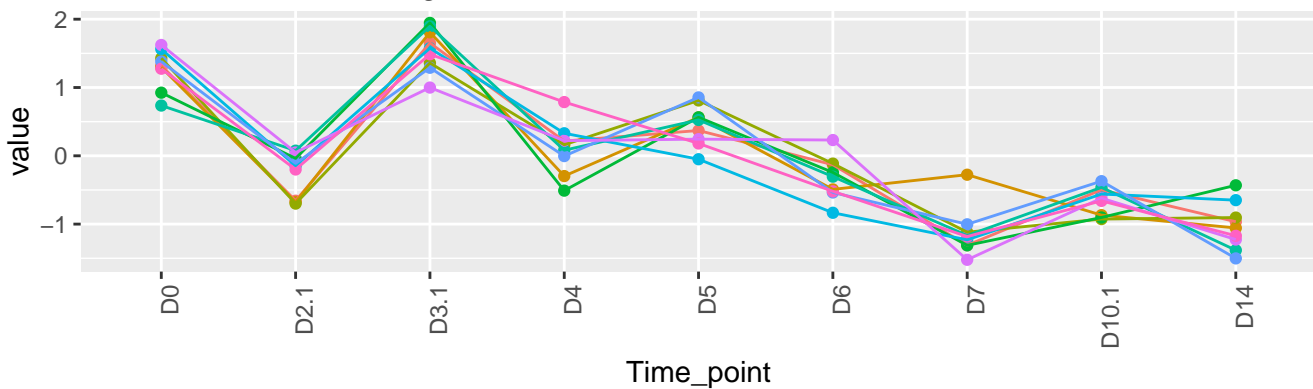
9 genes – KO-cluster-51-standardized



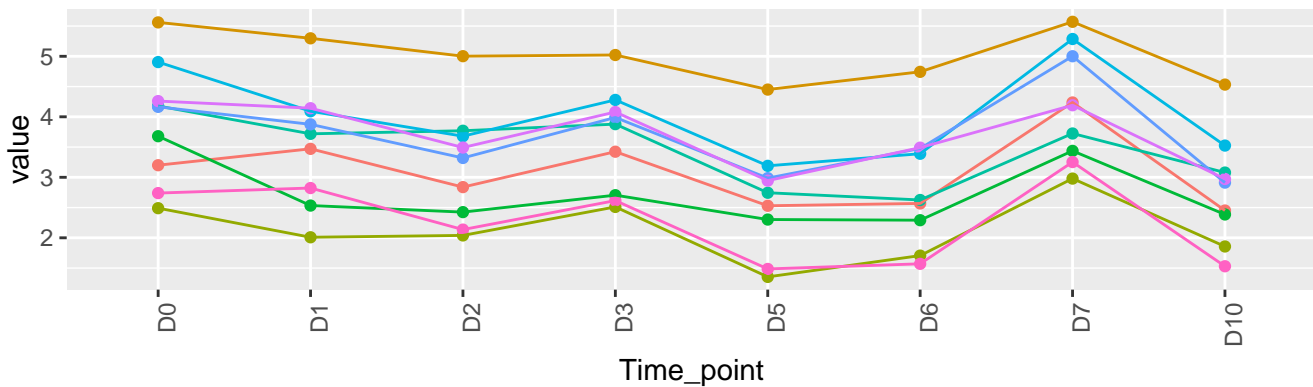
9 genes – WT-cluster-50-original



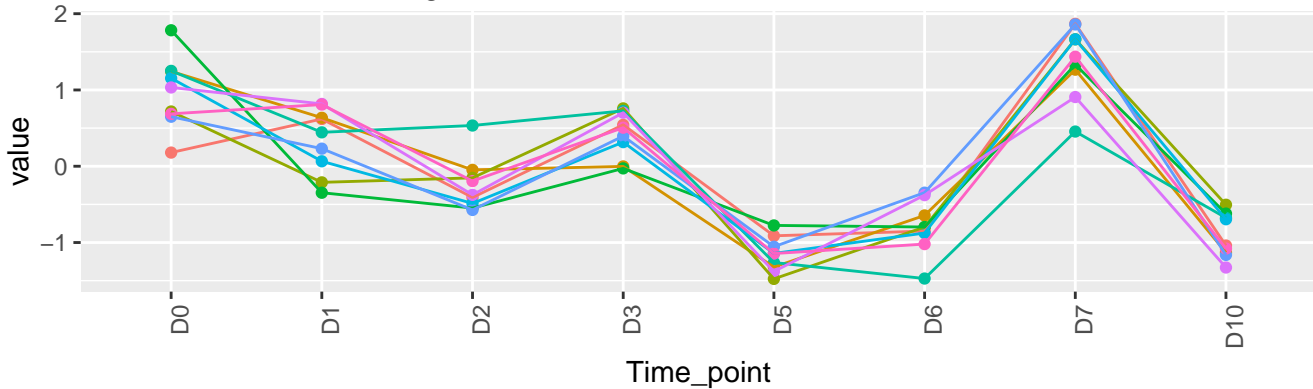
9 genes – WT-cluster-50-standardized



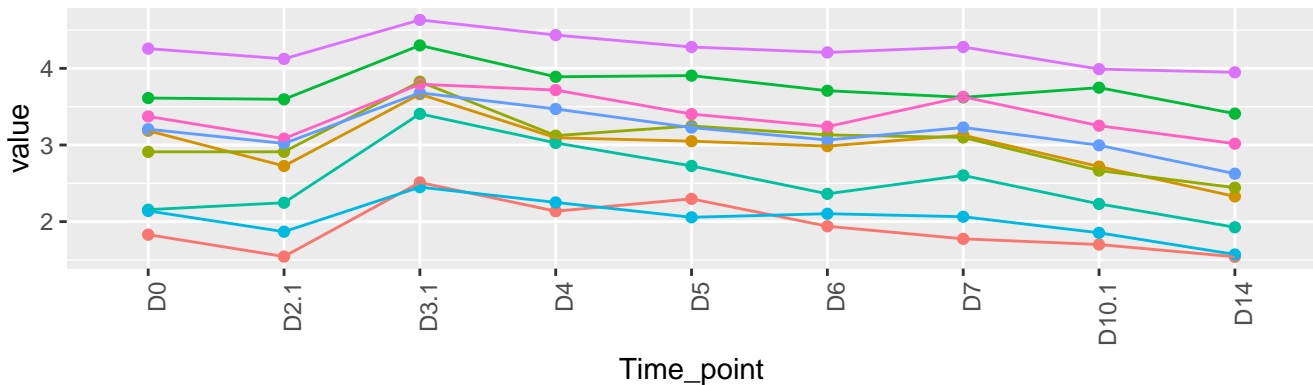
9 genes – KO-cluster-50-original



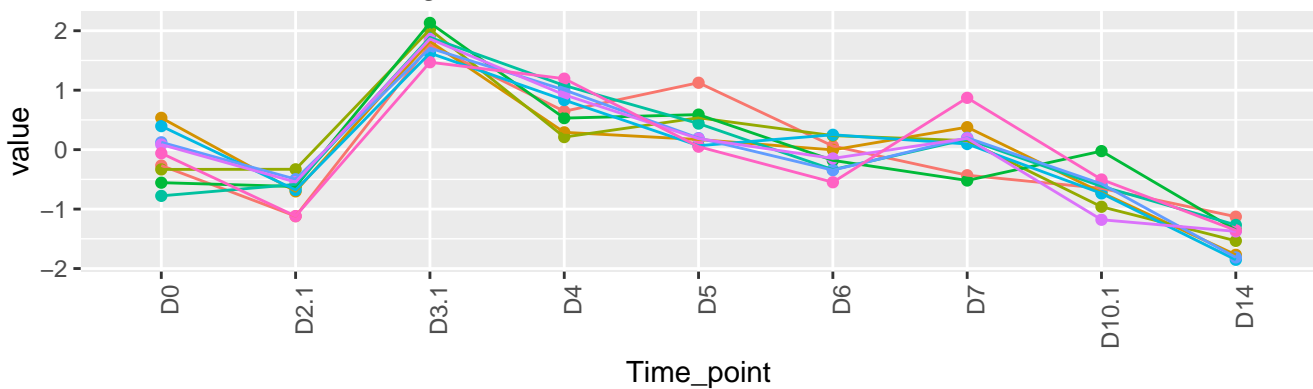
9 genes – KO-cluster-50-standardized



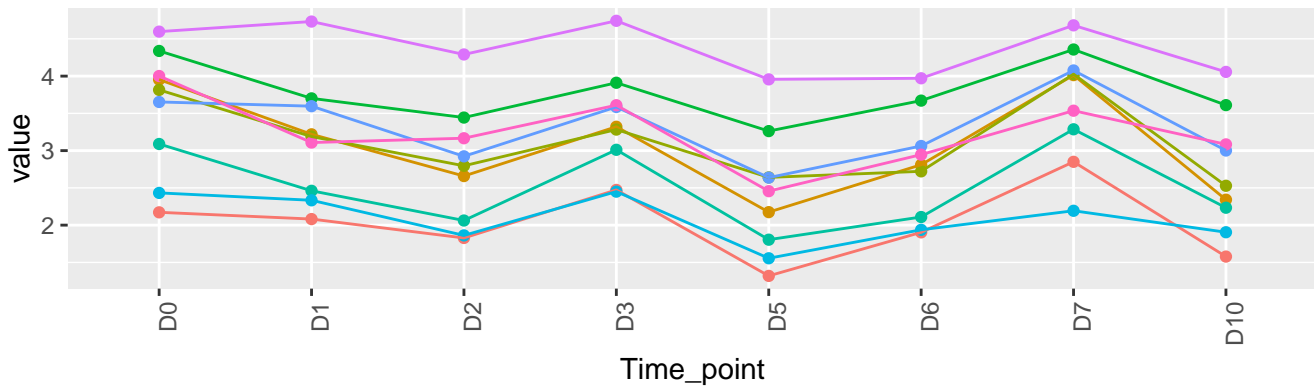
9 genes – WT-cluster-49-original



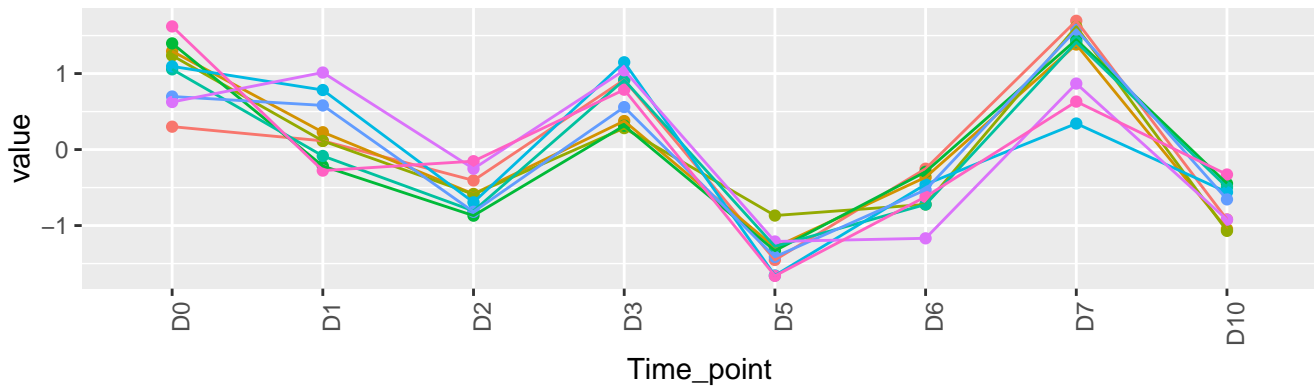
9 genes – WT-cluster-49-standardized



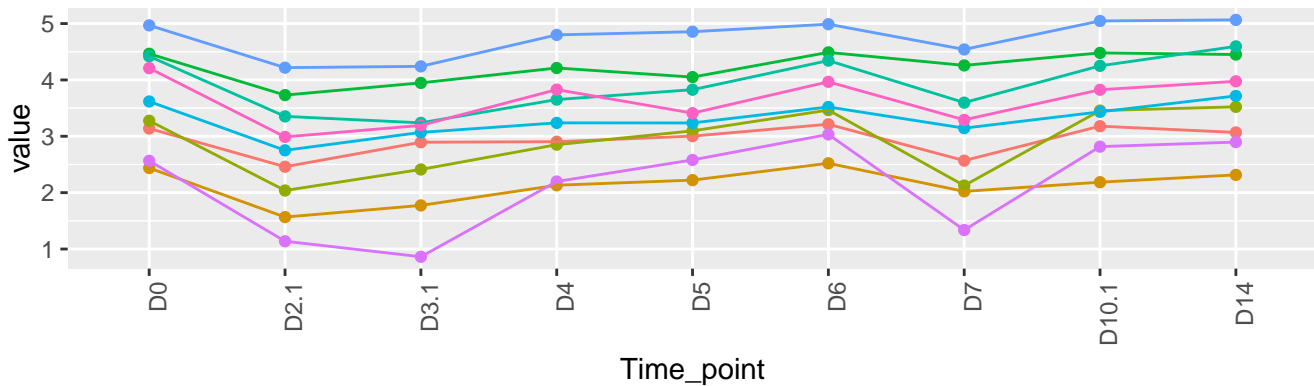
9 genes – KO-cluster-49-original



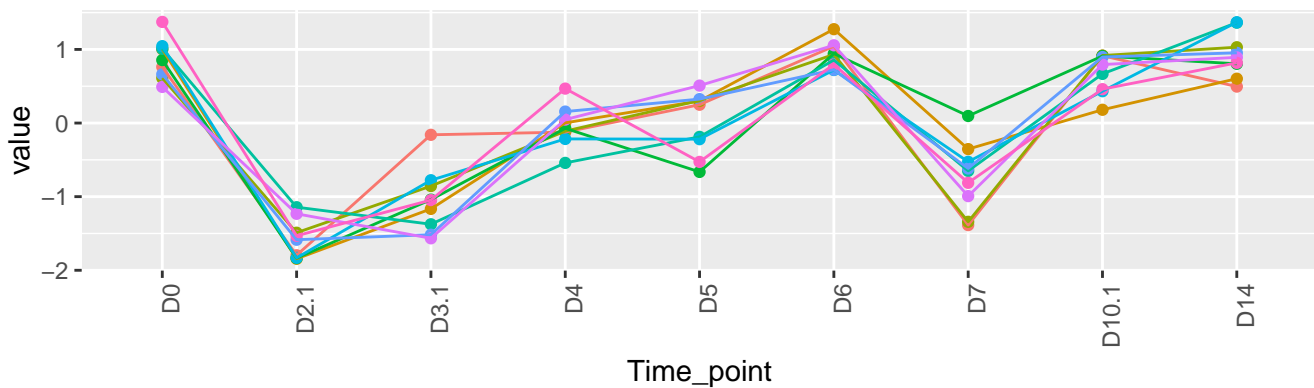
9 genes – KO-cluster-49-standardized



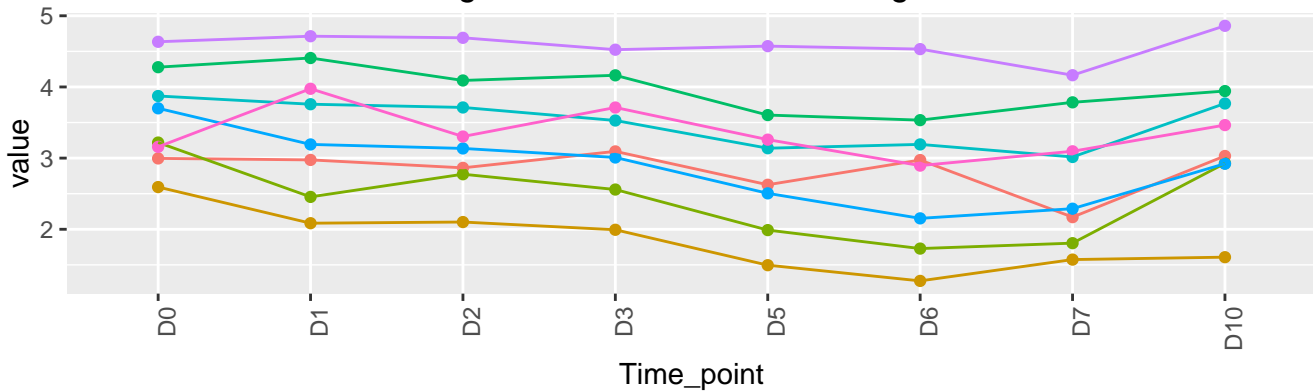
9 genes – WT-cluster-48-original



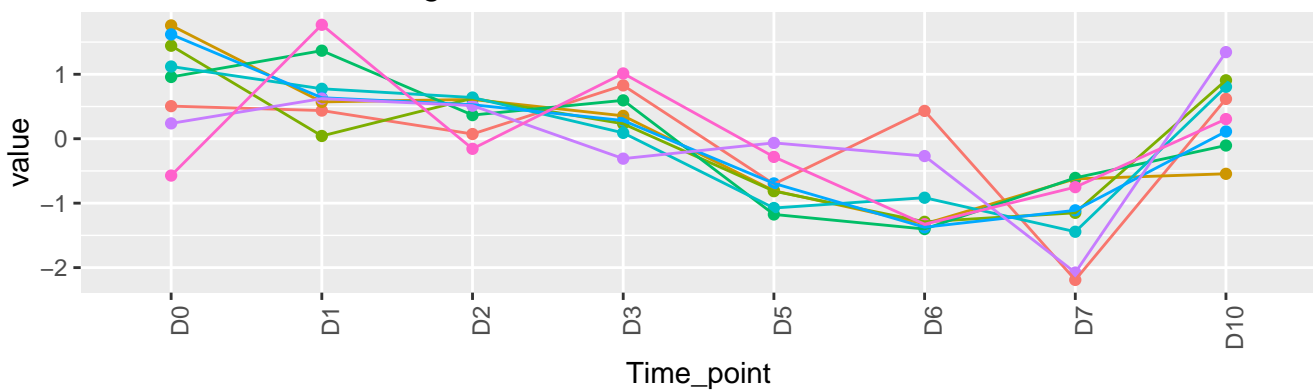
9 genes – WT-cluster-48-standardized



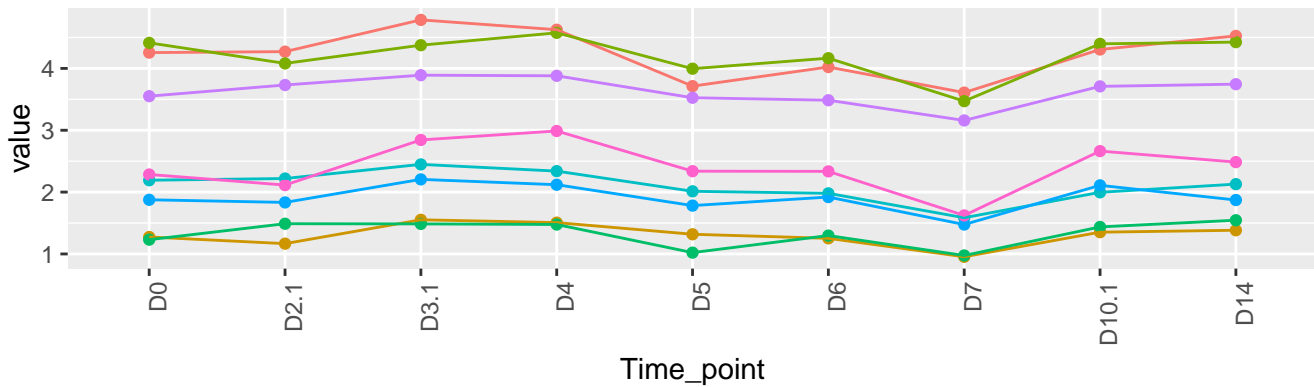
8 genes – KO-cluster-48-original



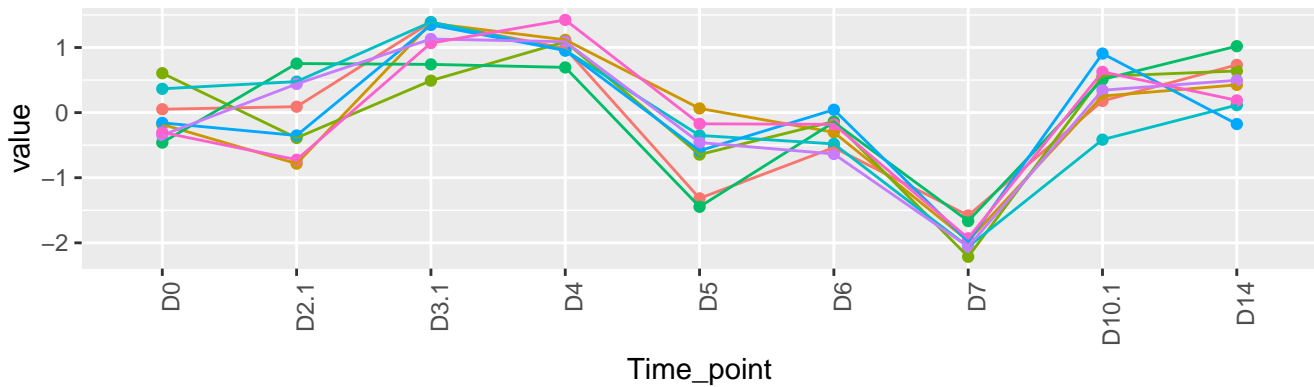
8 genes – KO-cluster-48-standardized



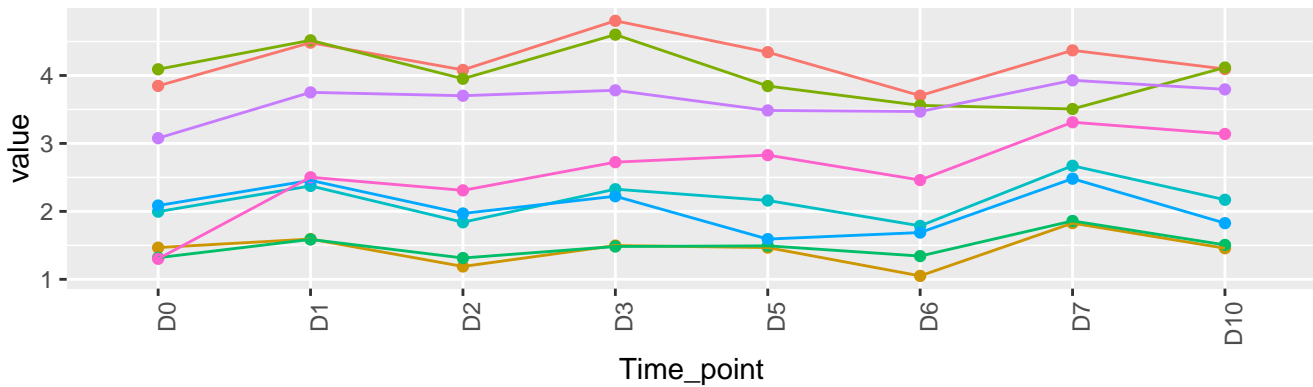
8 genes – WT-cluster-47-original



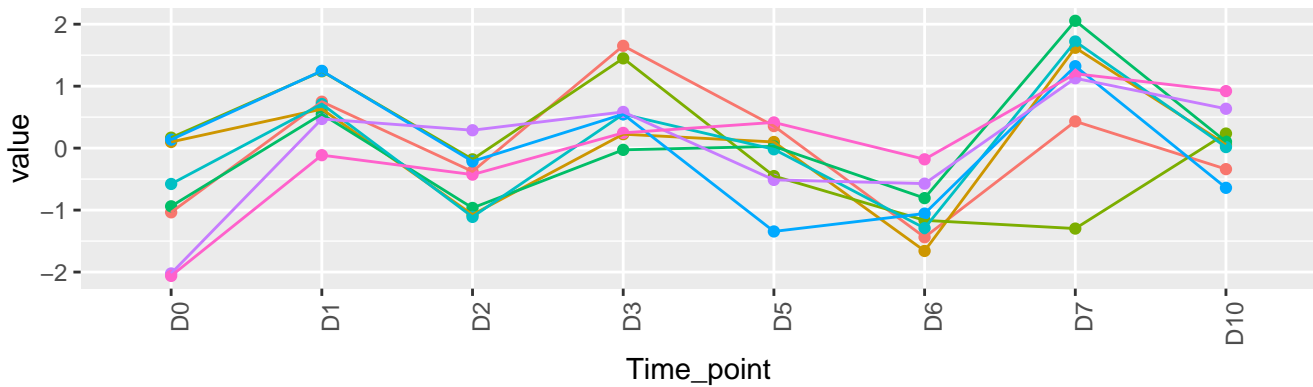
8 genes – WT-cluster-47-standardized



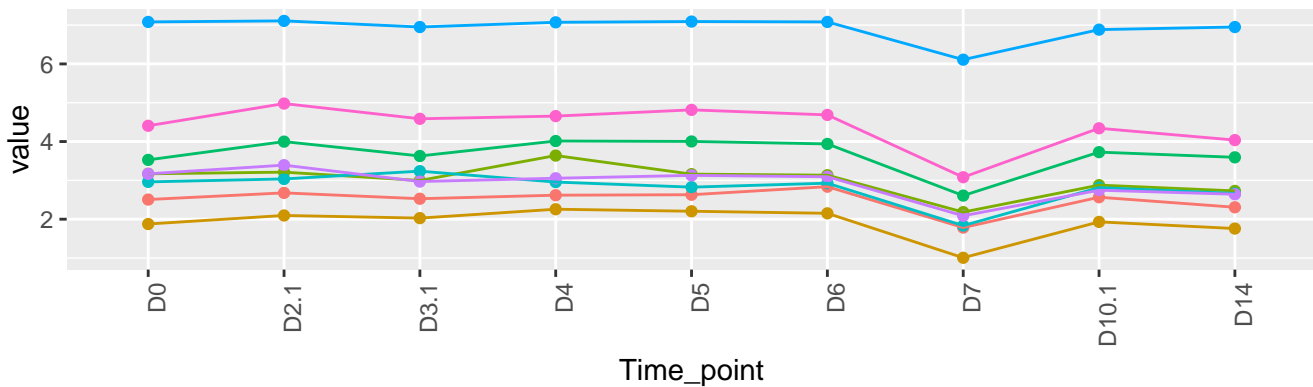
8 genes – KO-cluster-47-original



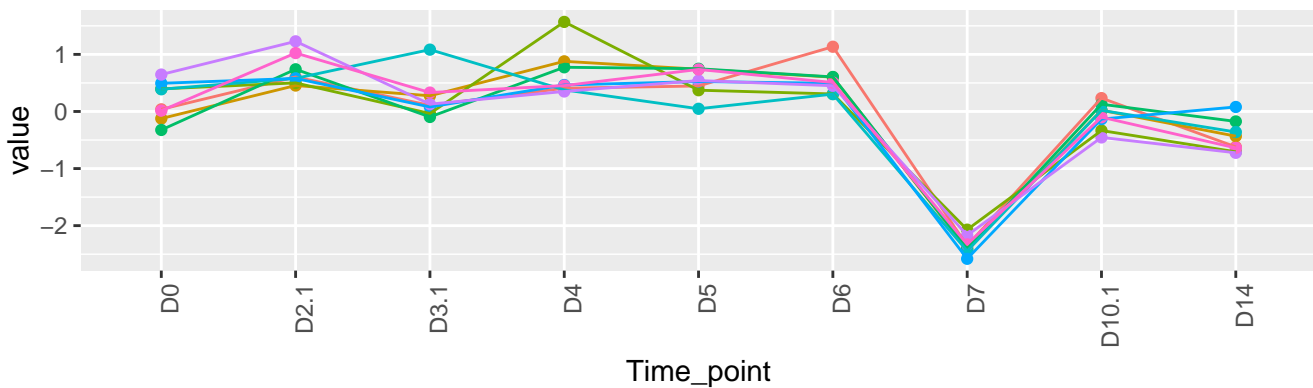
8 genes – KO-cluster-47-standardized



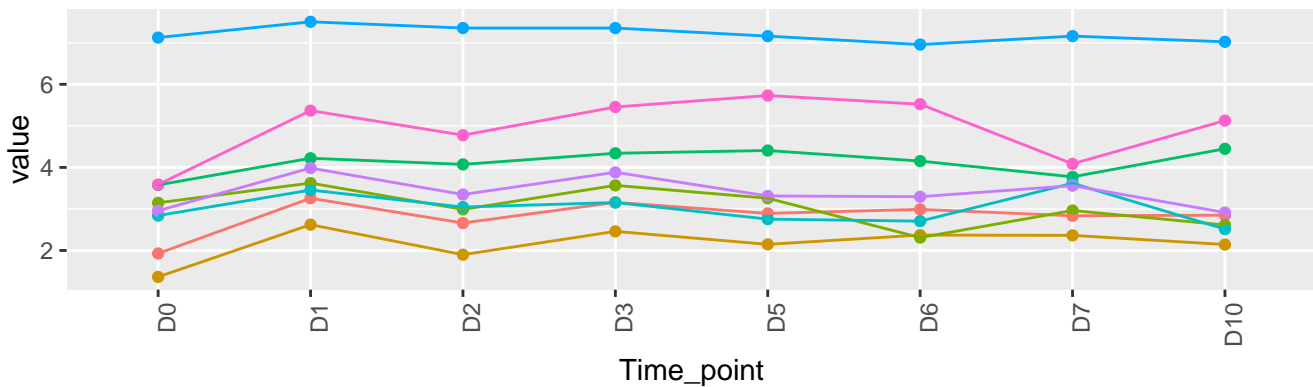
8 genes – WT-cluster-46-original



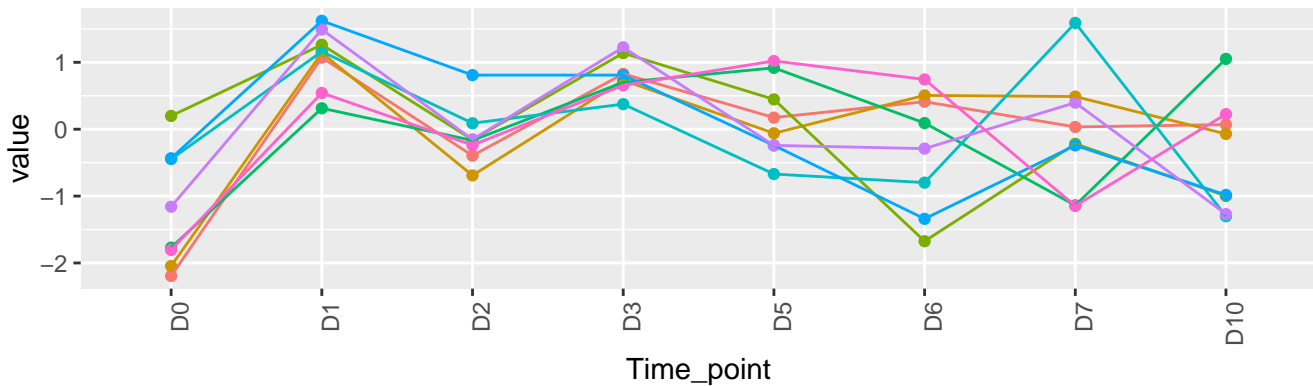
8 genes – WT-cluster-46-standardized



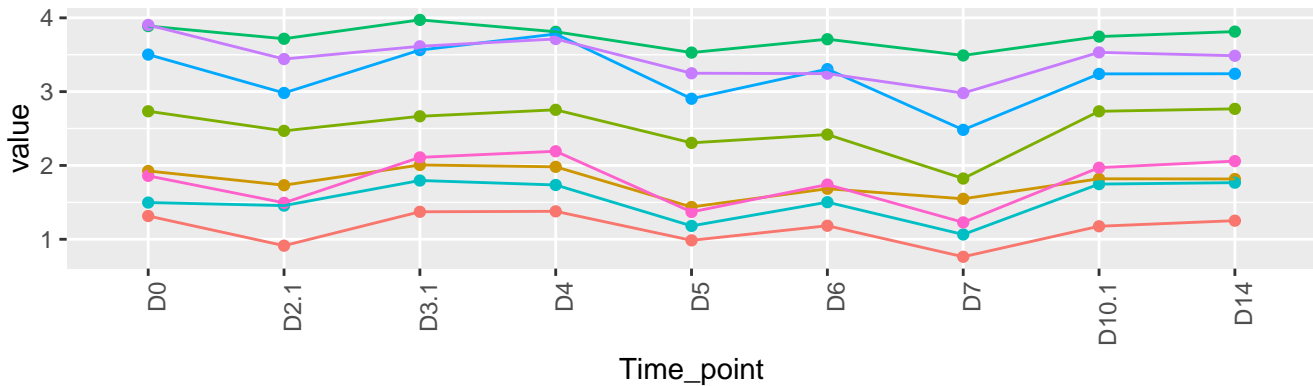
8 genes – KO-cluster-46-original



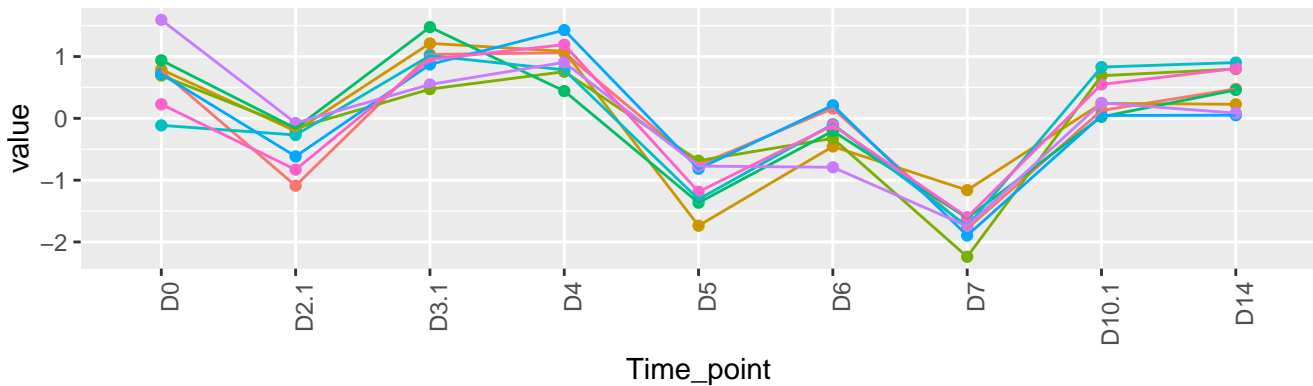
8 genes – KO-cluster-46-standardized



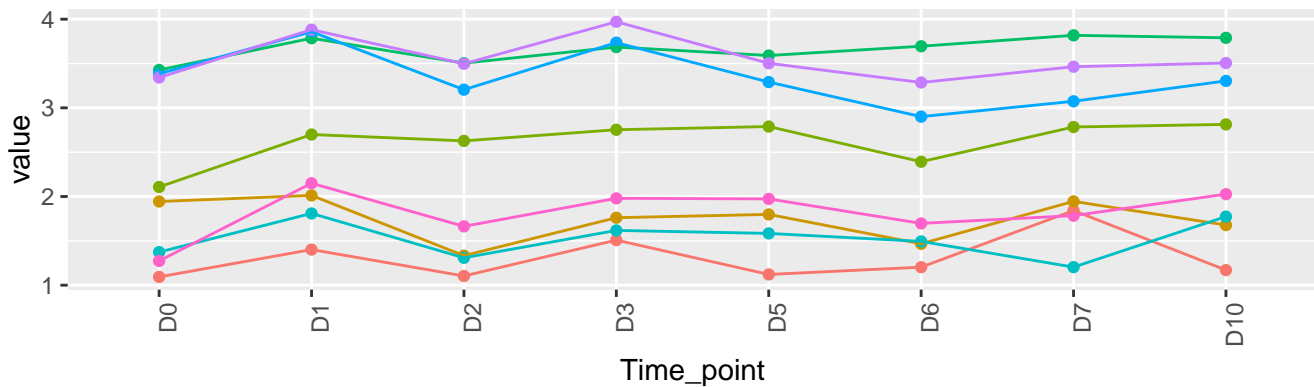
8 genes – WT-cluster-45-original



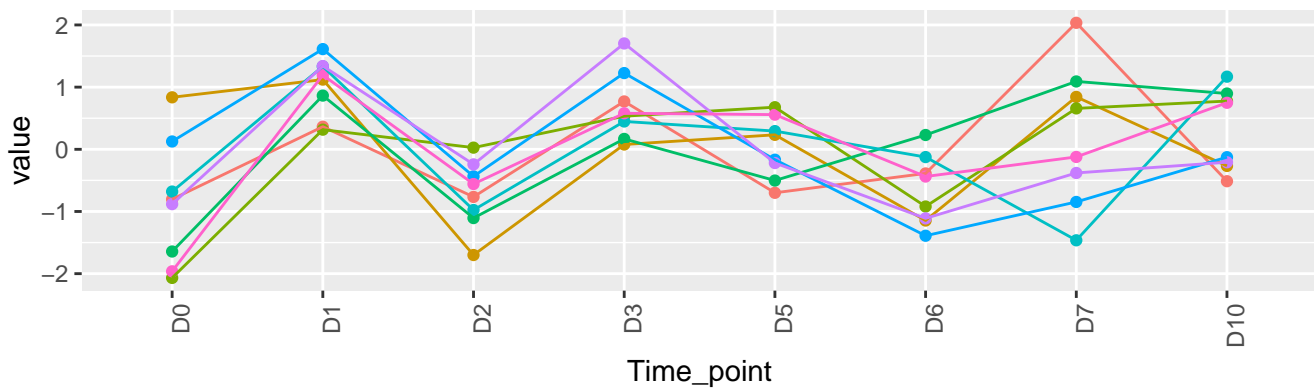
8 genes – WT-cluster-45-standardized



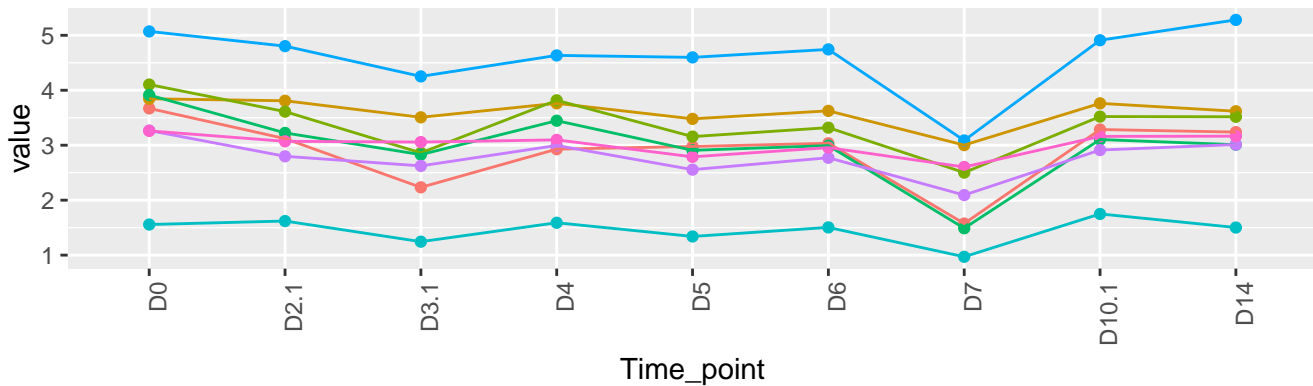
8 genes – KO-cluster-45-original



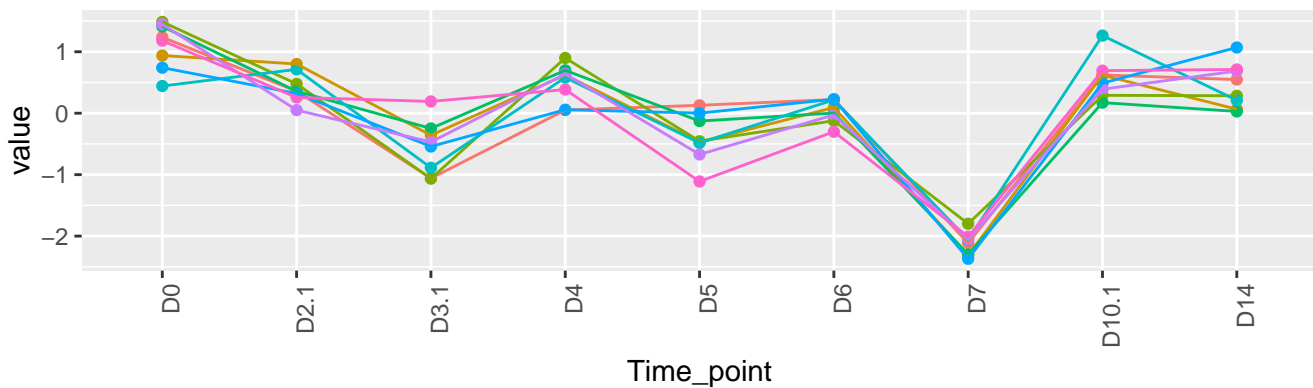
8 genes – KO-cluster-45-standardized



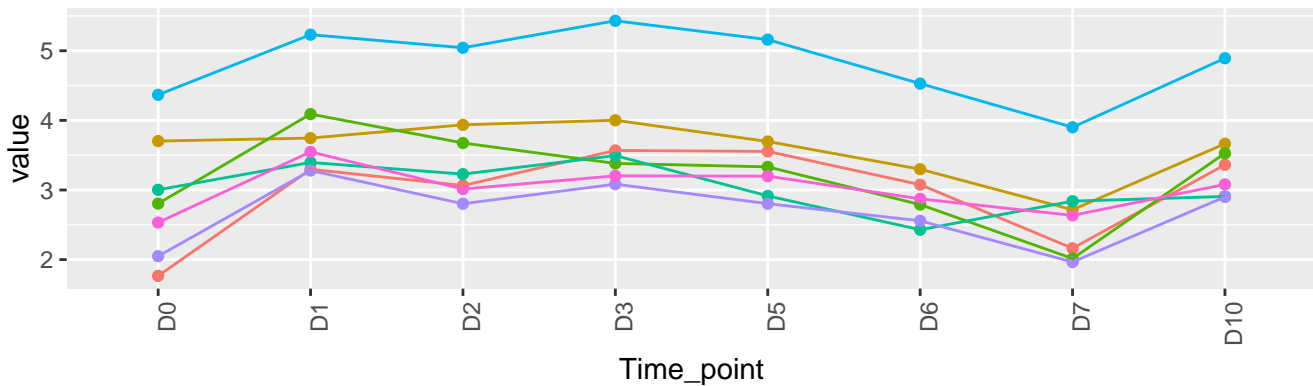
8 genes – WT-cluster-44-original



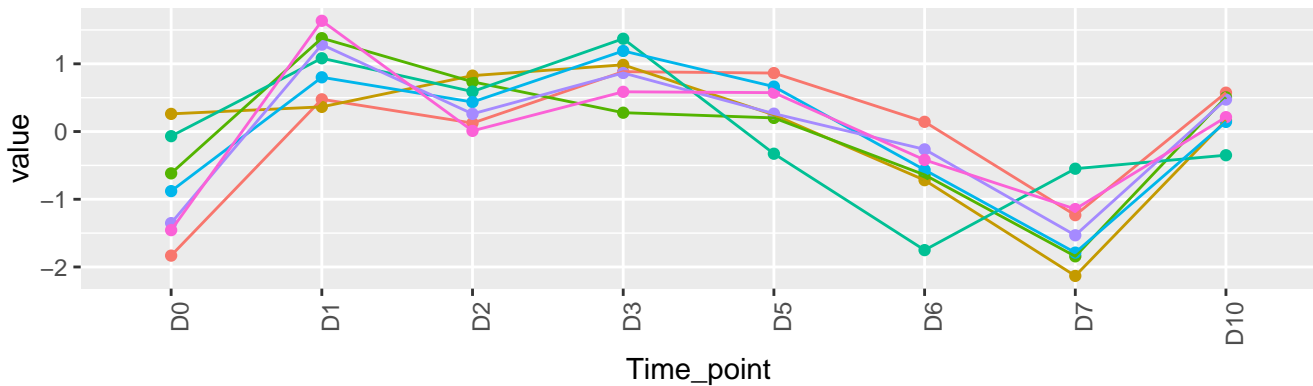
8 genes – WT-cluster-44-standardized



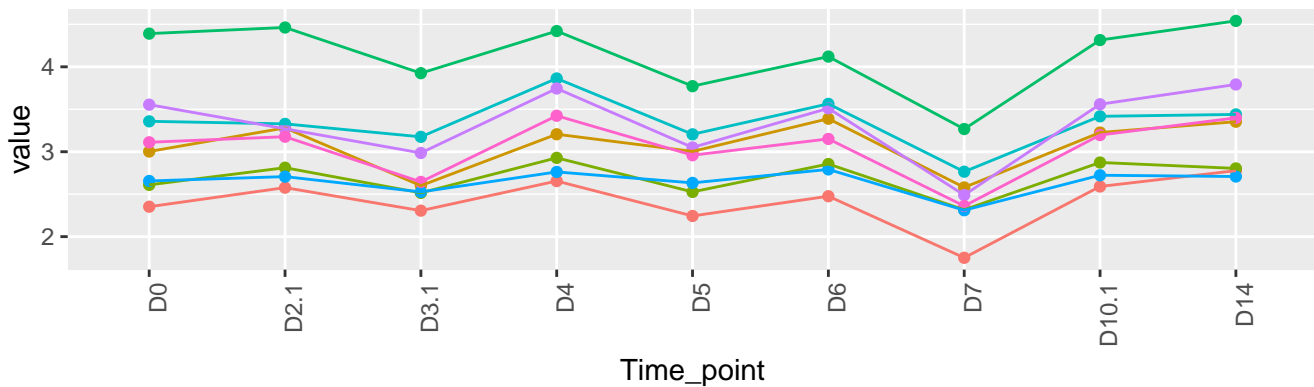
7 genes – KO-cluster-44-original



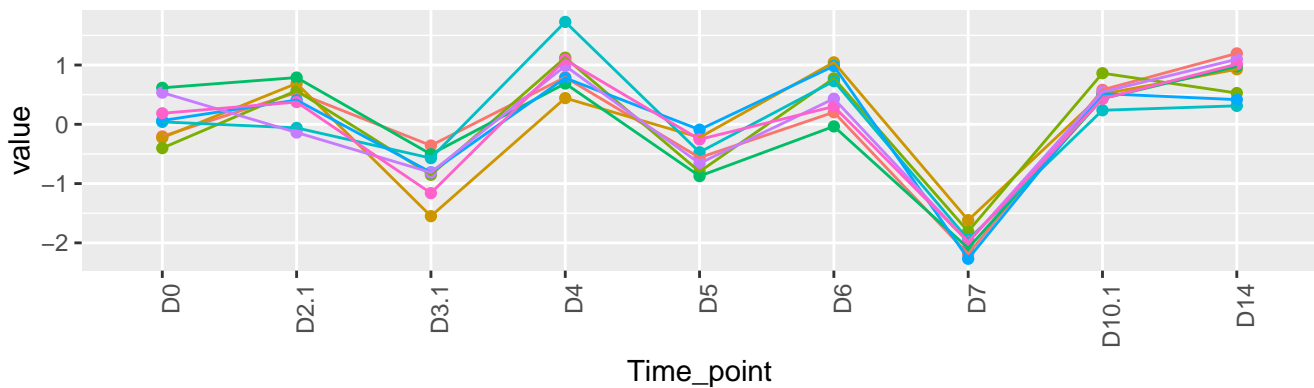
7 genes – KO-cluster-44-standardized



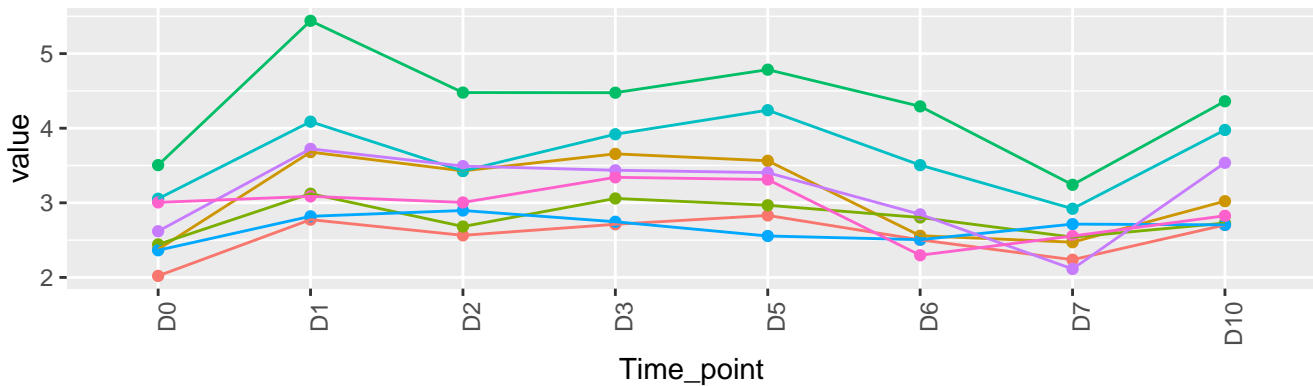
8 genes – WT-cluster-43-original



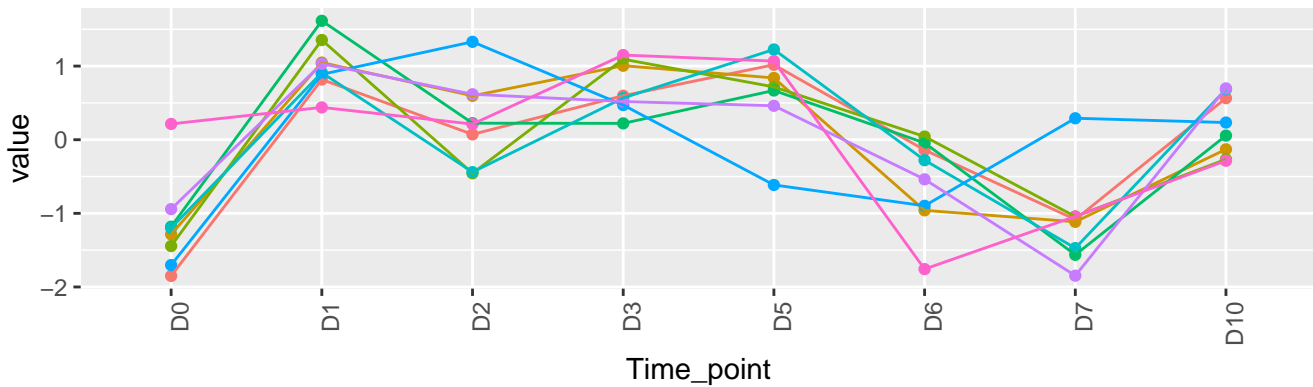
8 genes – WT-cluster-43-standardized



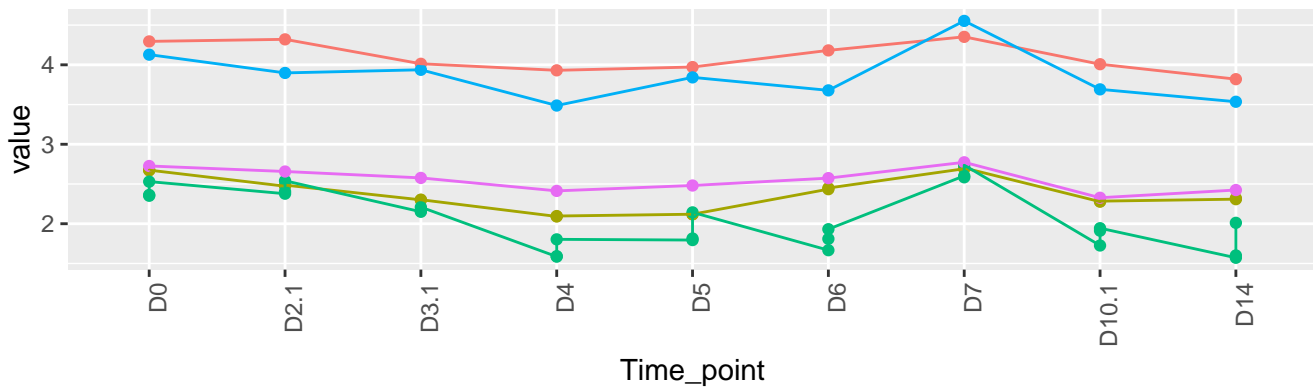
8 genes – KO-cluster-43-original



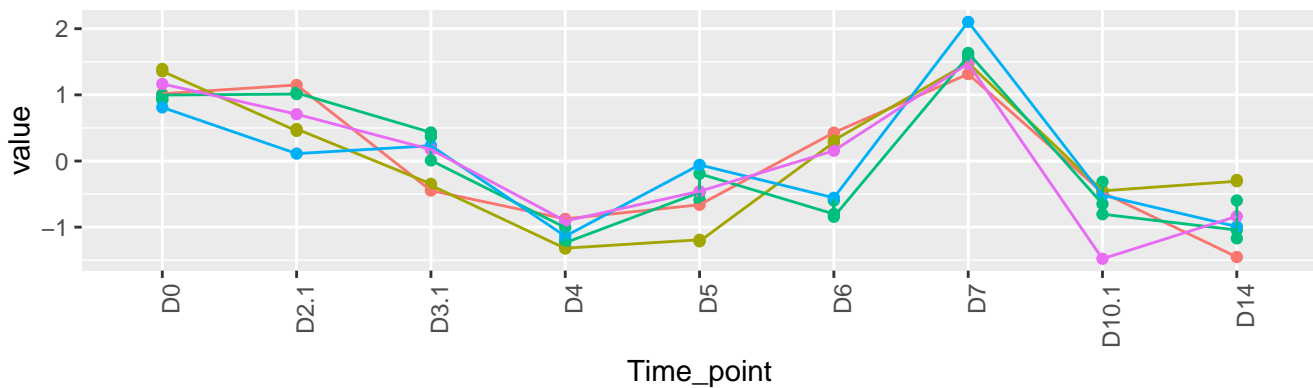
8 genes – KO-cluster-43-standardized



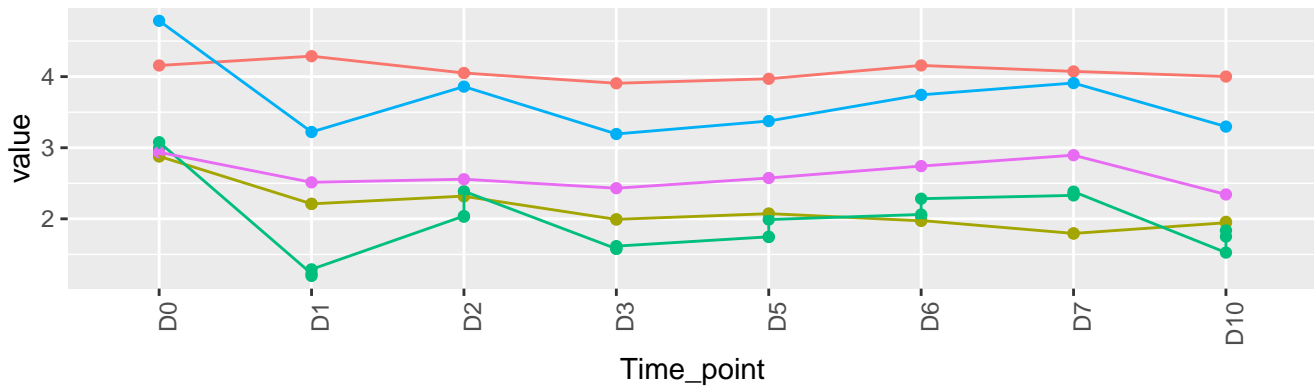
8 genes – WT-cluster-42-original



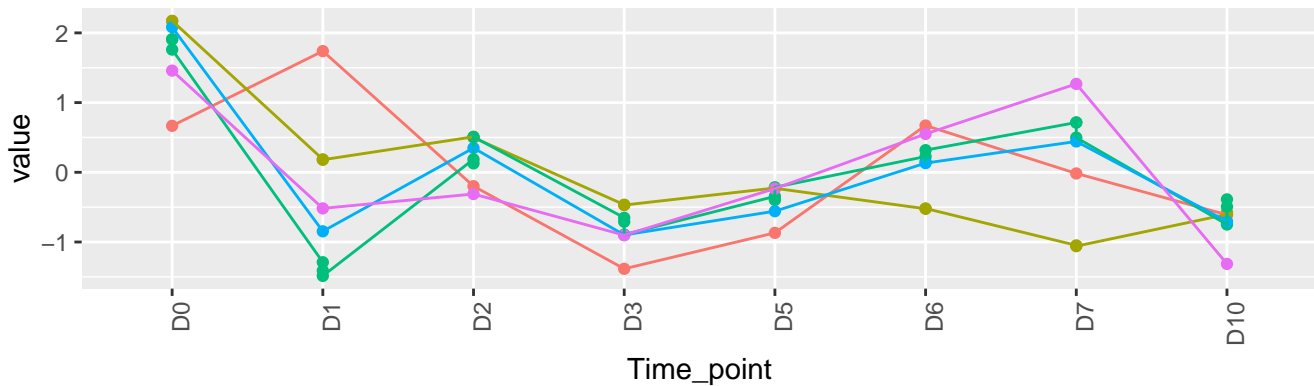
8 genes – WT-cluster-42-standardized



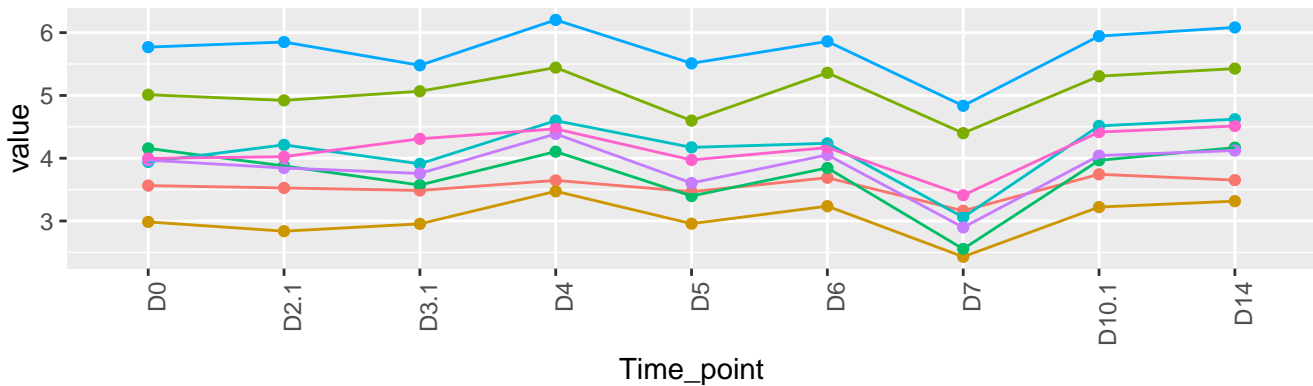
8 genes – KO-cluster-42-original



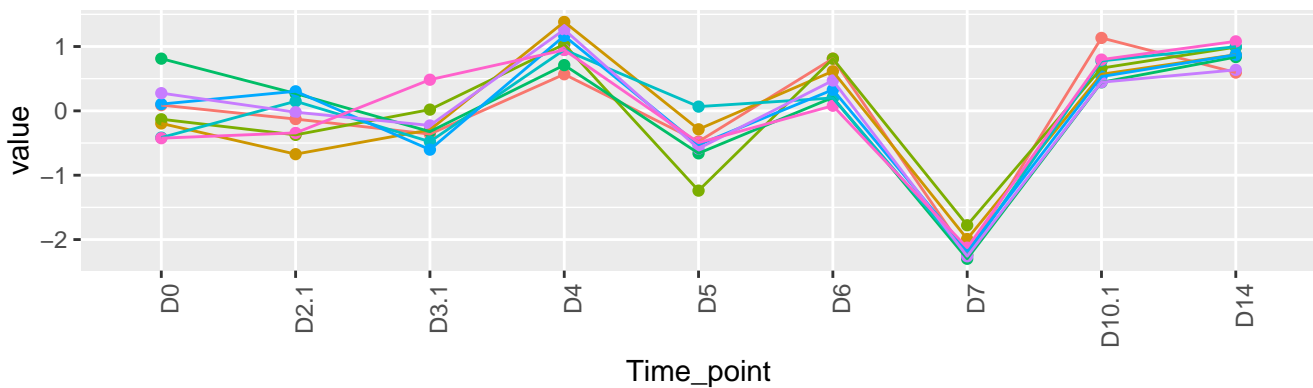
8 genes – KO-cluster-42-standardized



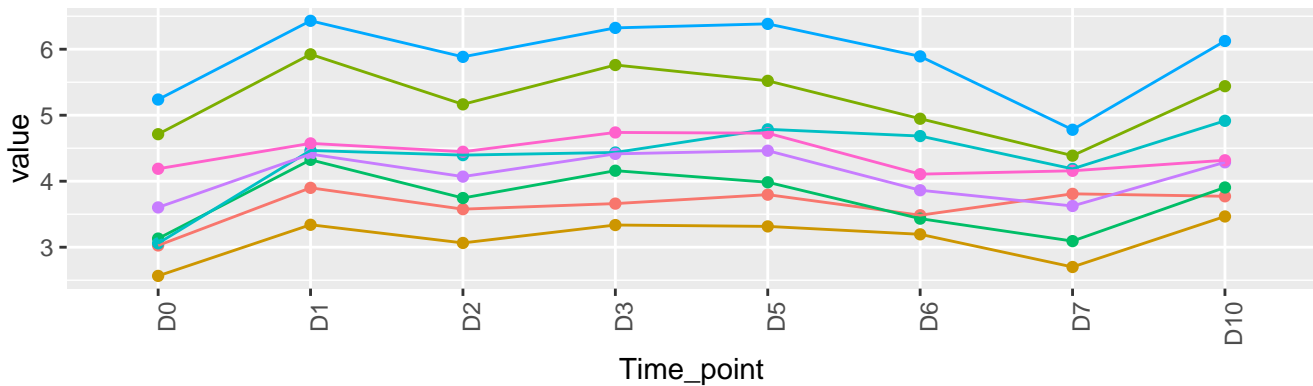
8 genes – WT-cluster-41-original



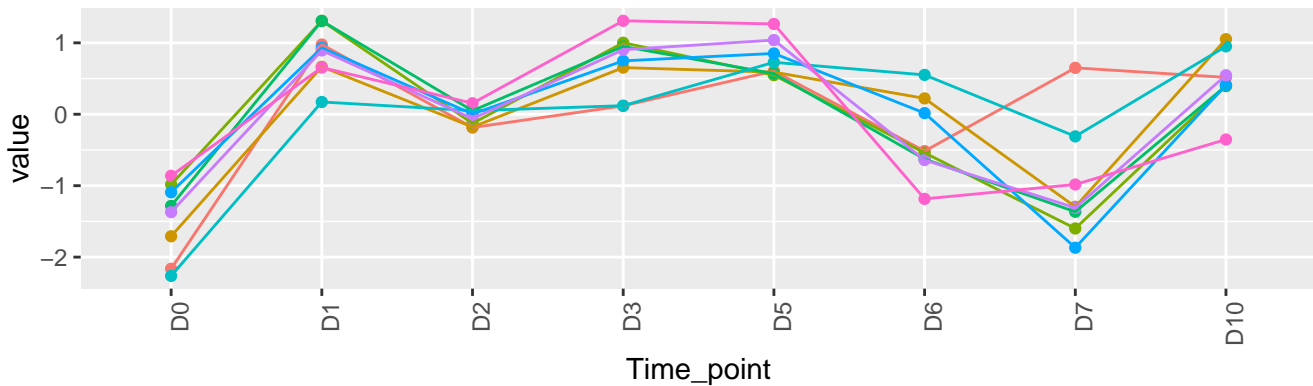
8 genes – WT-cluster-41-standardized



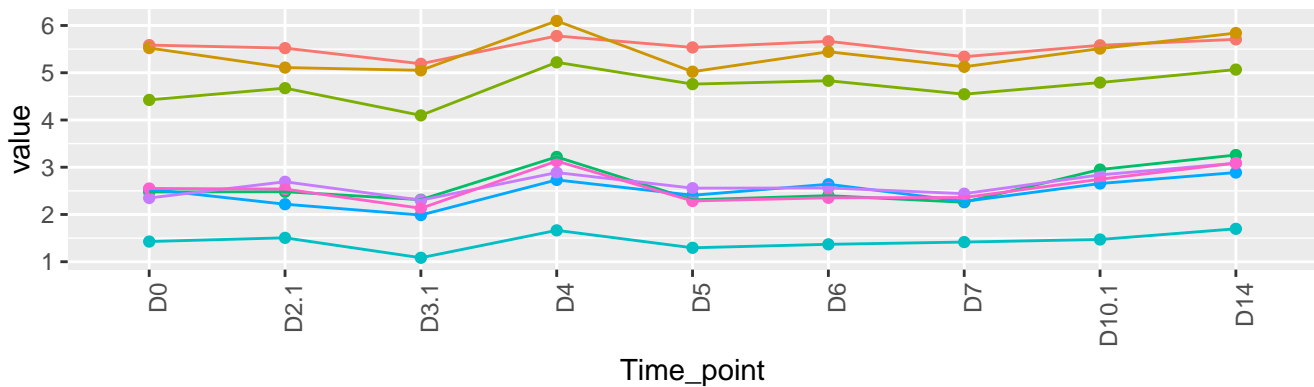
8 genes – KO-cluster-41-original



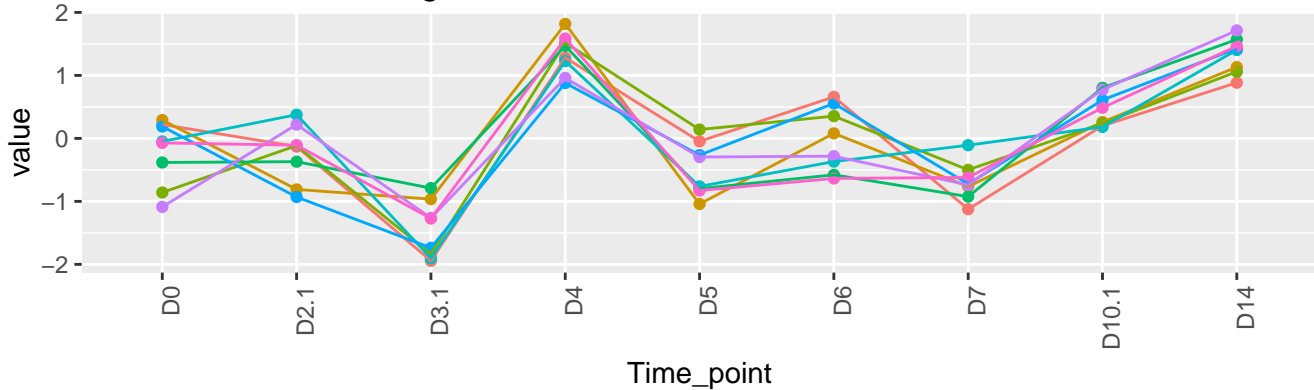
8 genes – KO-cluster-41-standardized



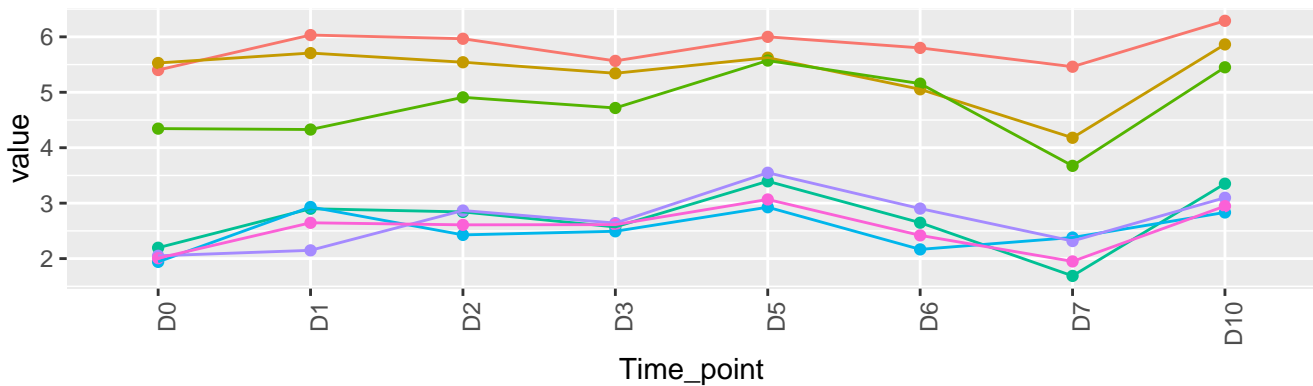
8 genes – WT-cluster-40-original



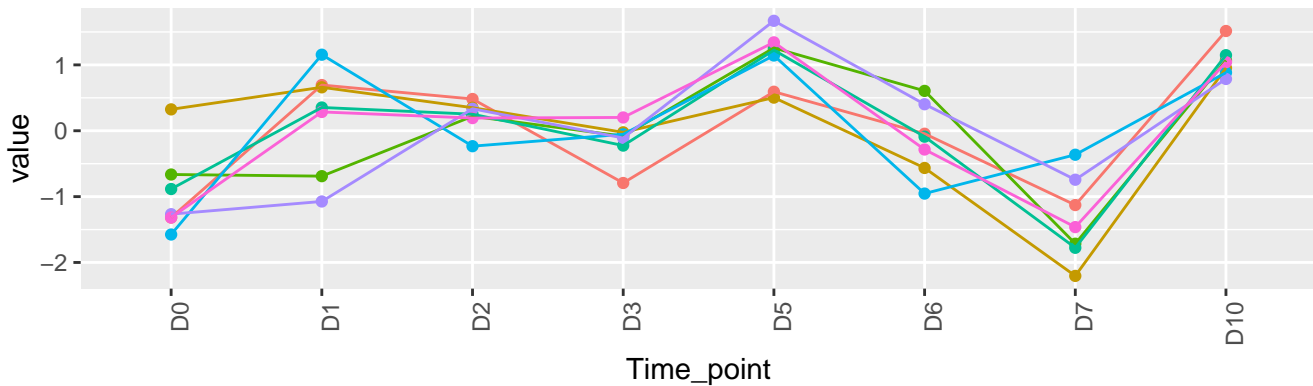
8 genes – WT-cluster-40-standardized



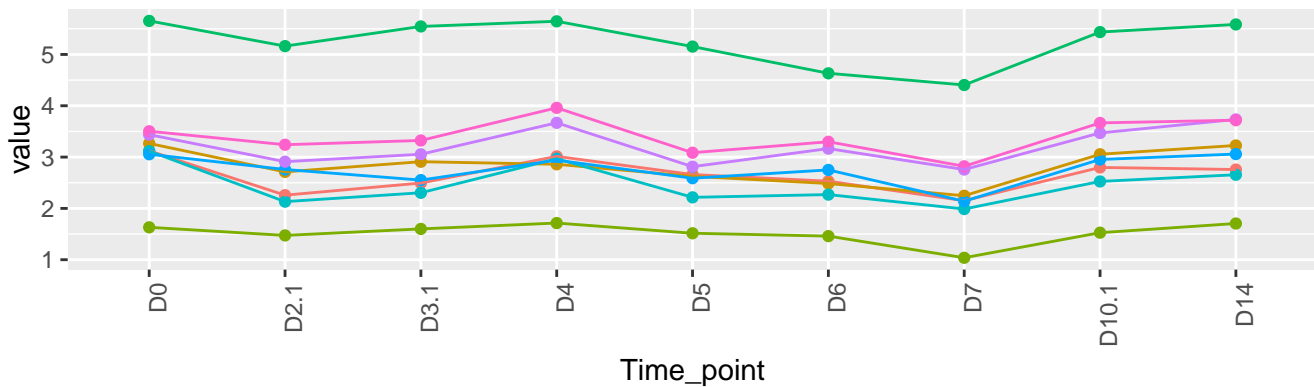
7 genes – KO-cluster-40-original



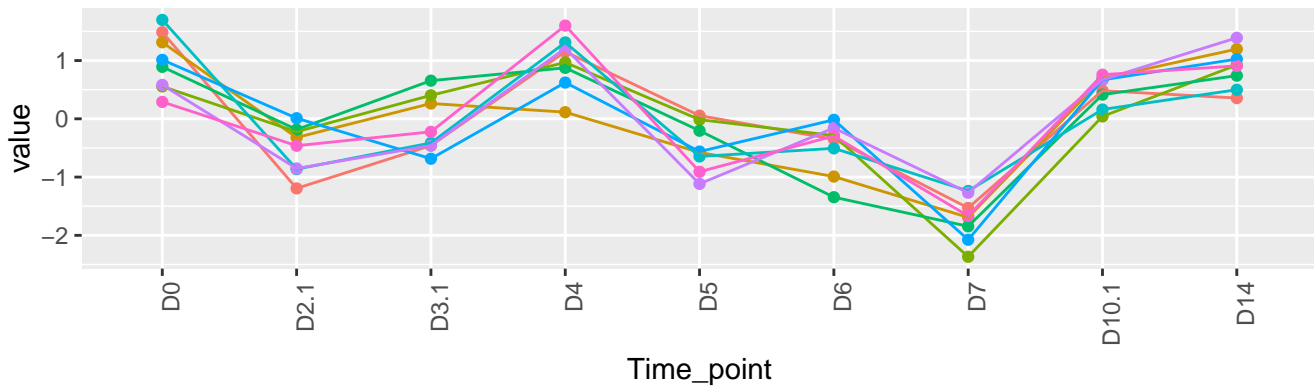
7 genes – KO-cluster-40-standardized



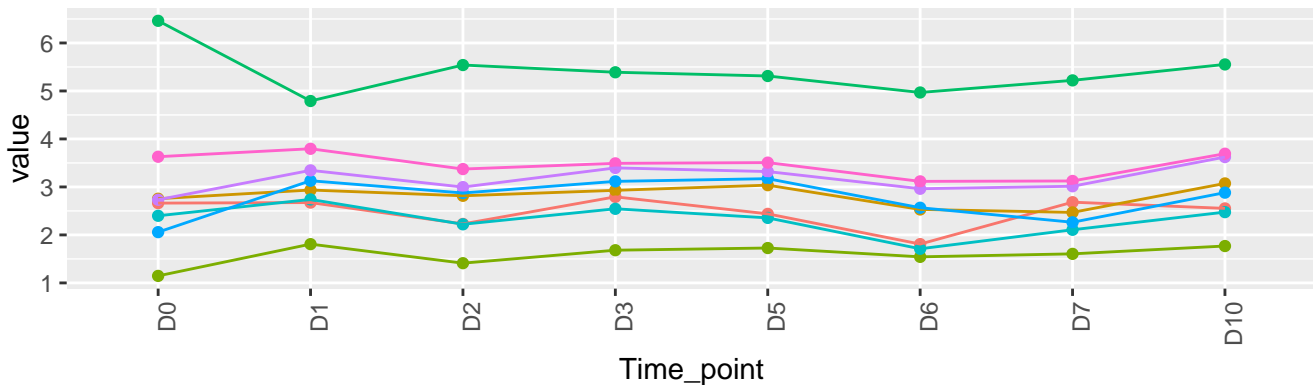
8 genes – WT-cluster-39-original



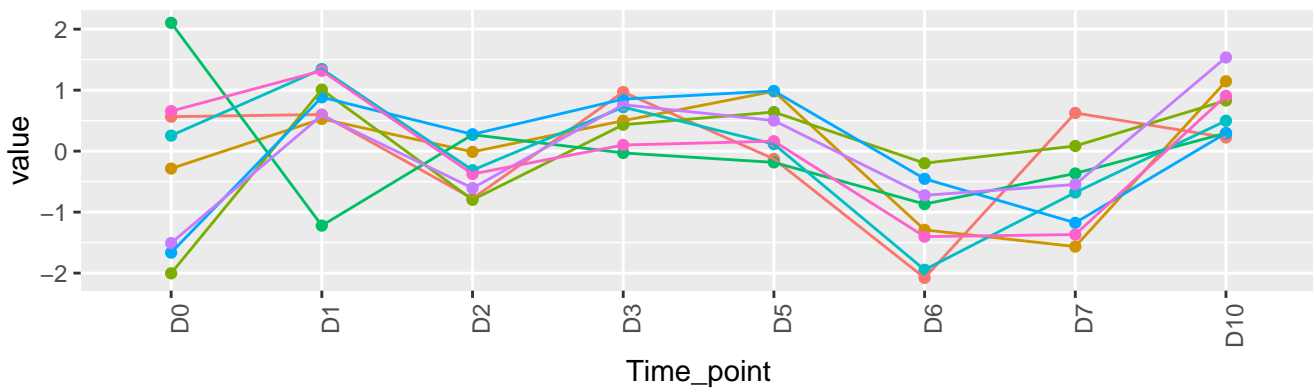
8 genes – WT-cluster-39-standardized



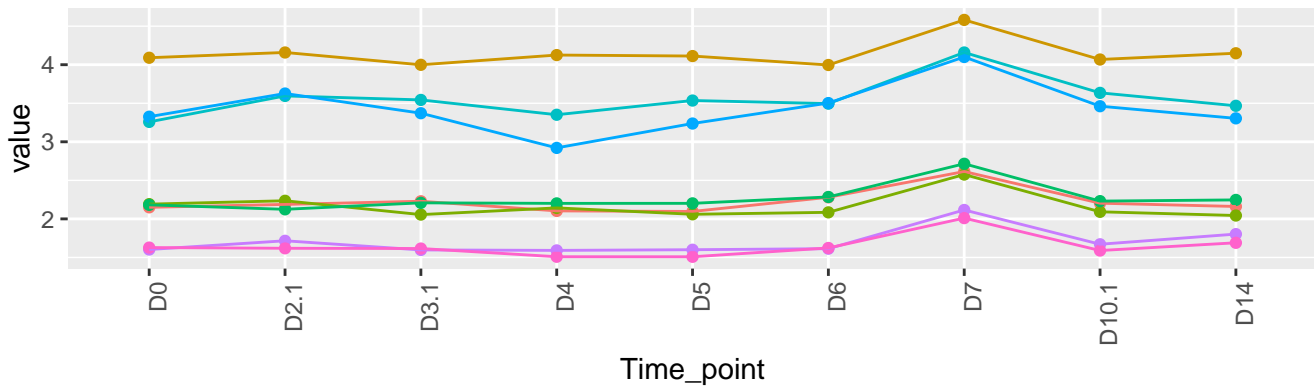
8 genes – KO-cluster-39-original



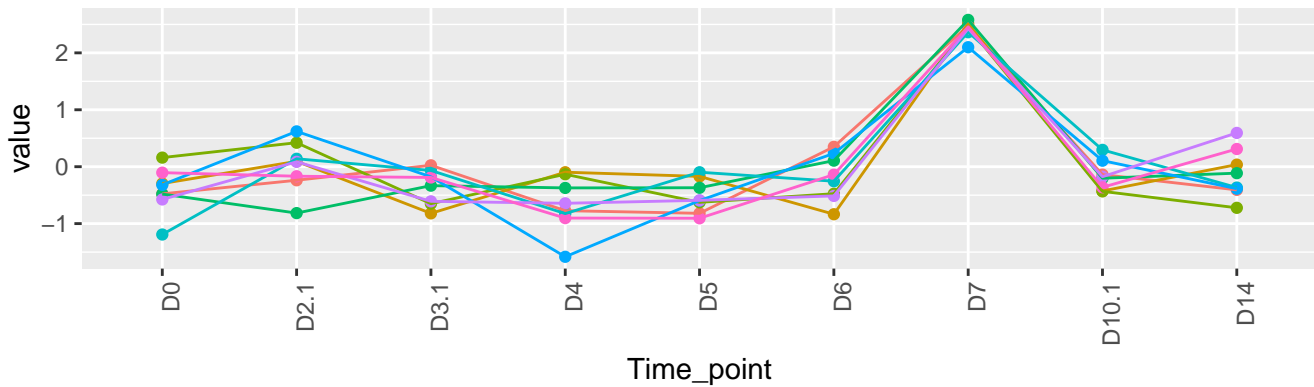
8 genes – KO-cluster-39-standardized



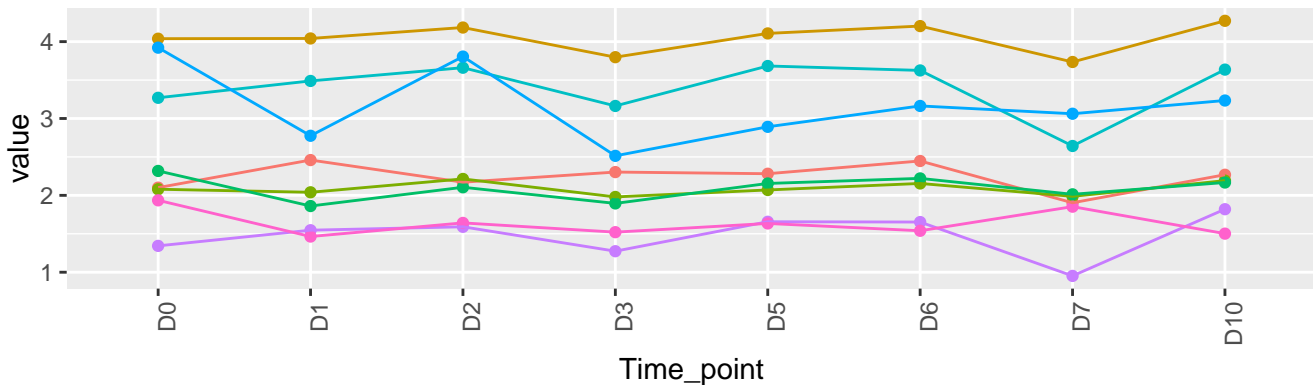
8 genes – WT-cluster-38-original



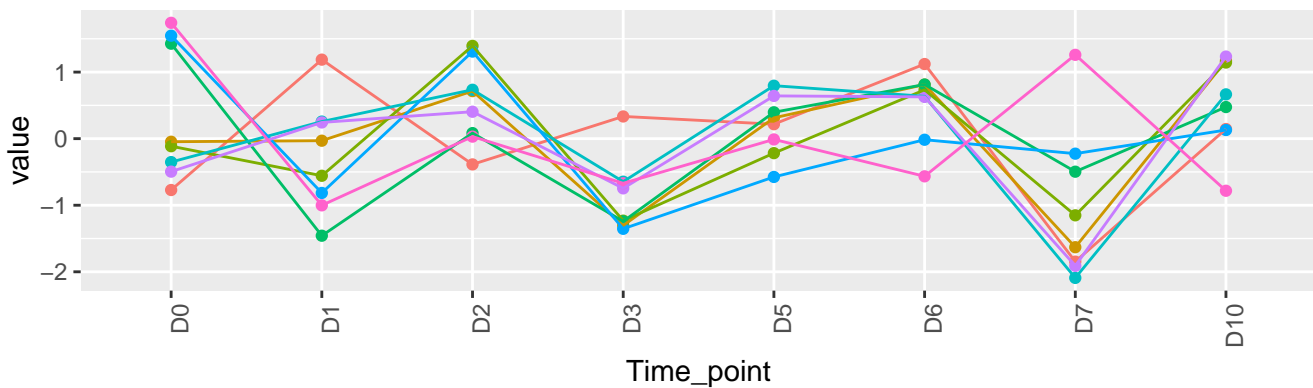
8 genes – WT-cluster-38-standardized



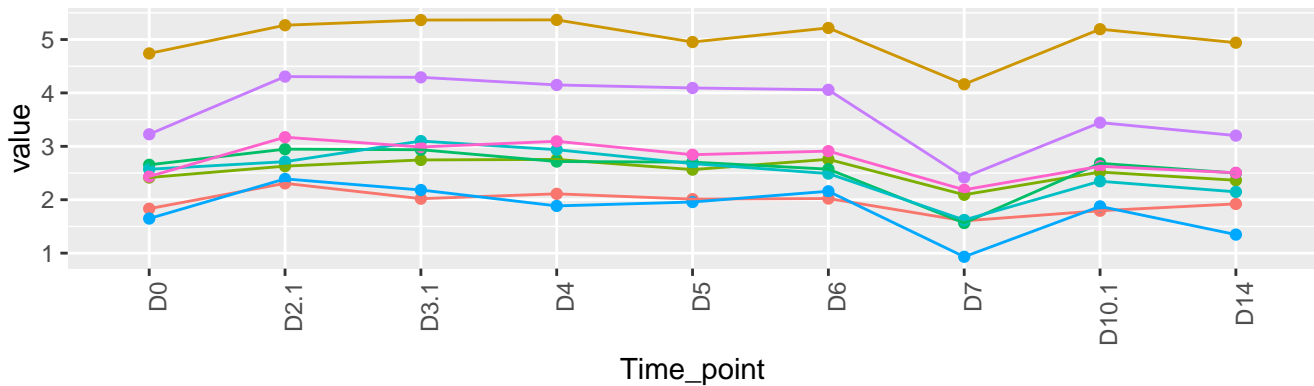
8 genes – KO-cluster-38-original



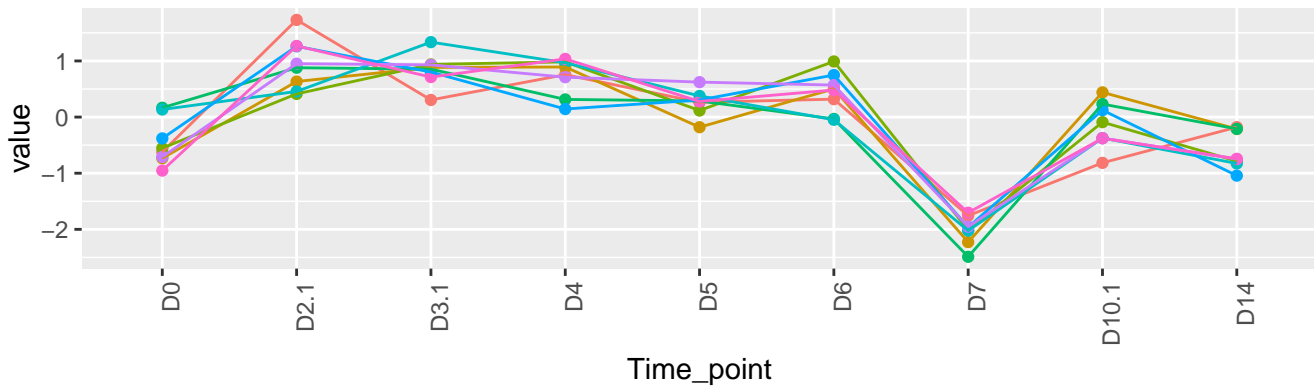
8 genes – KO-cluster-38-standardized



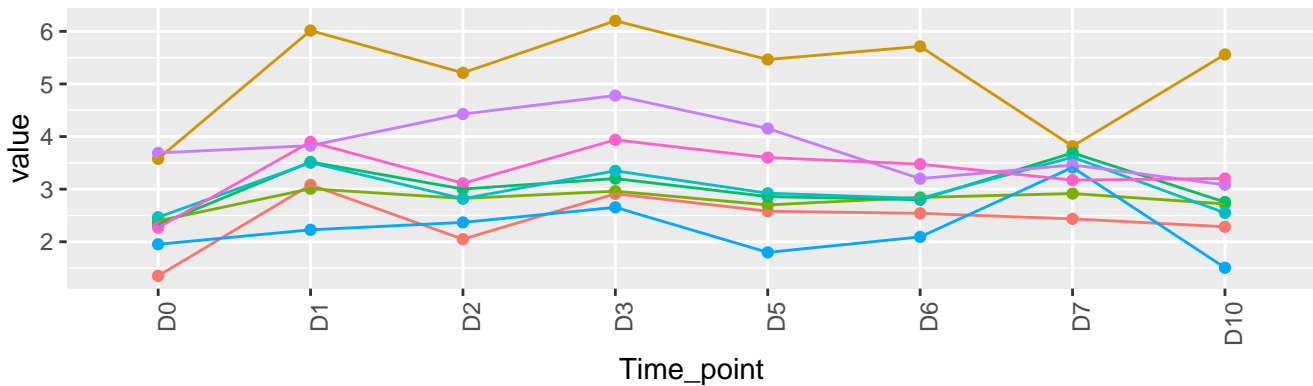
8 genes – WT-cluster-37-original



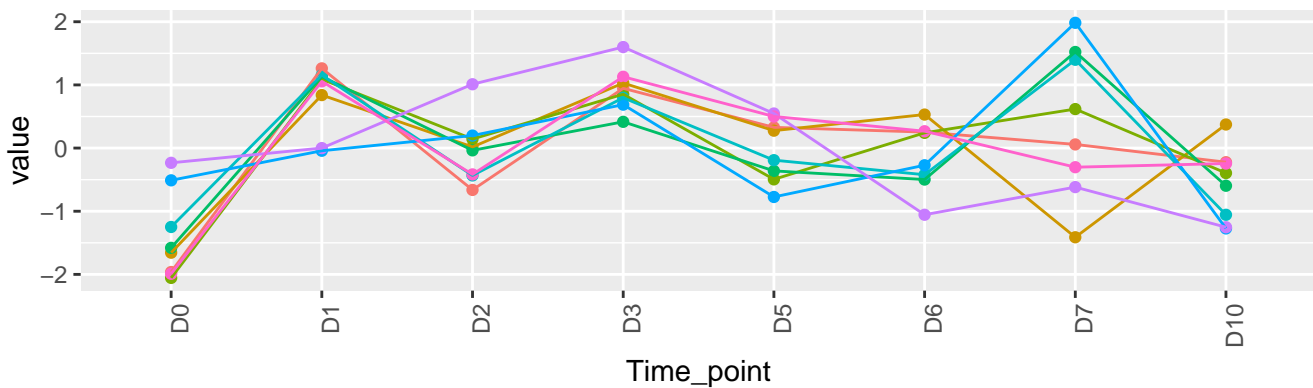
8 genes – WT-cluster-37-standardized



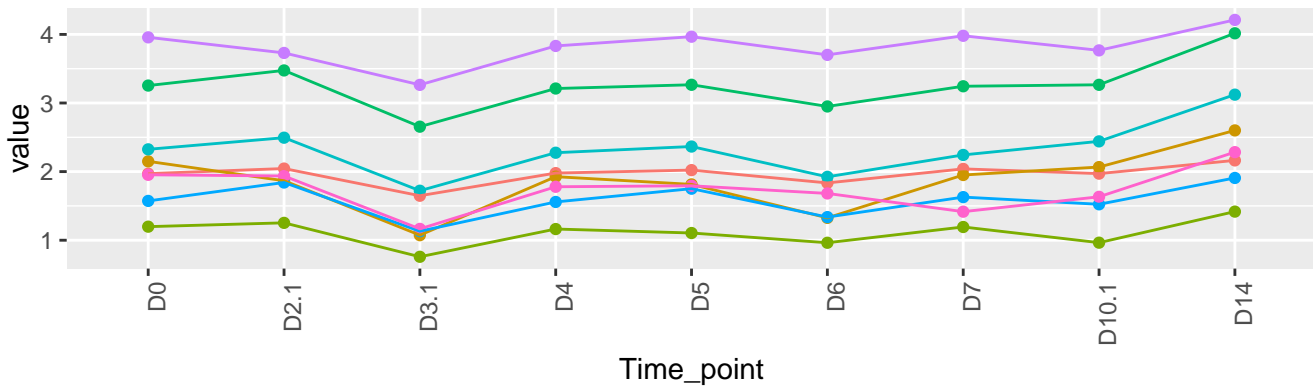
8 genes – KO-cluster-37-original



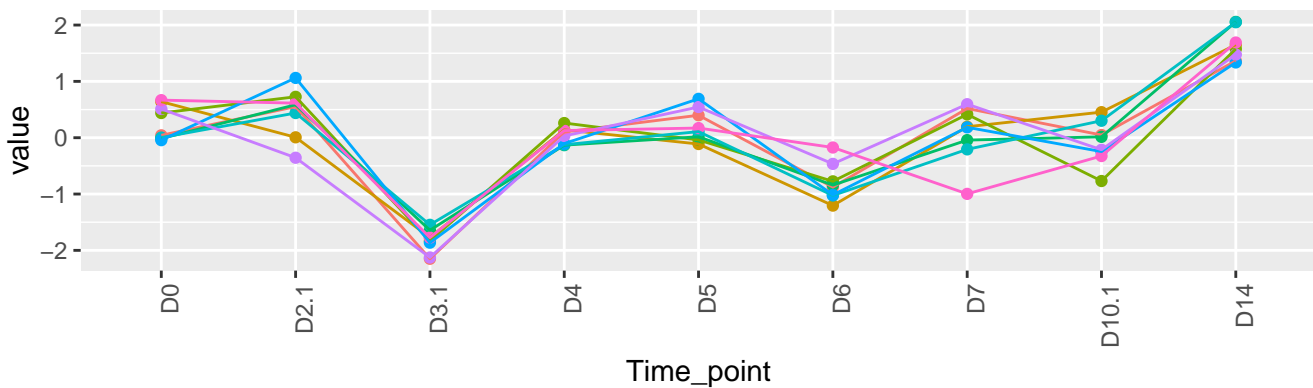
8 genes – KO-cluster-37-standardized



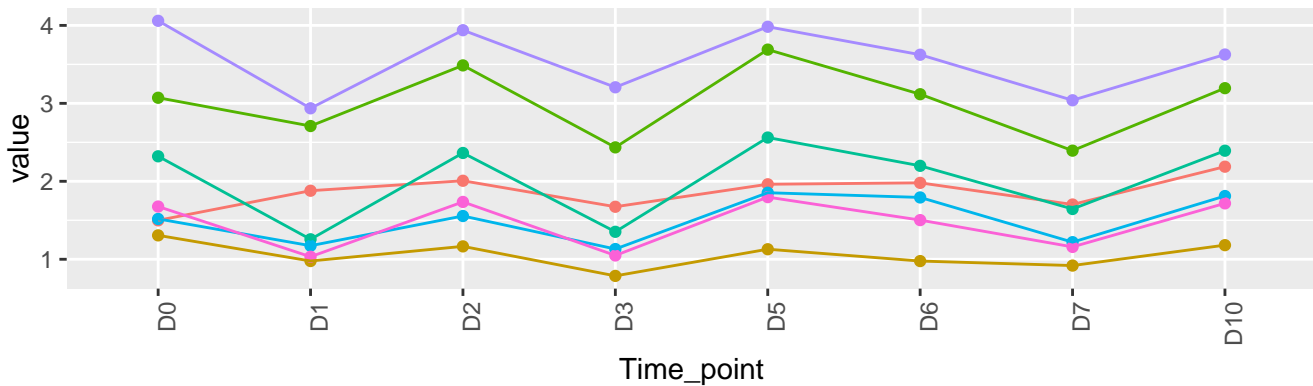
8 genes – WT-cluster-36-original



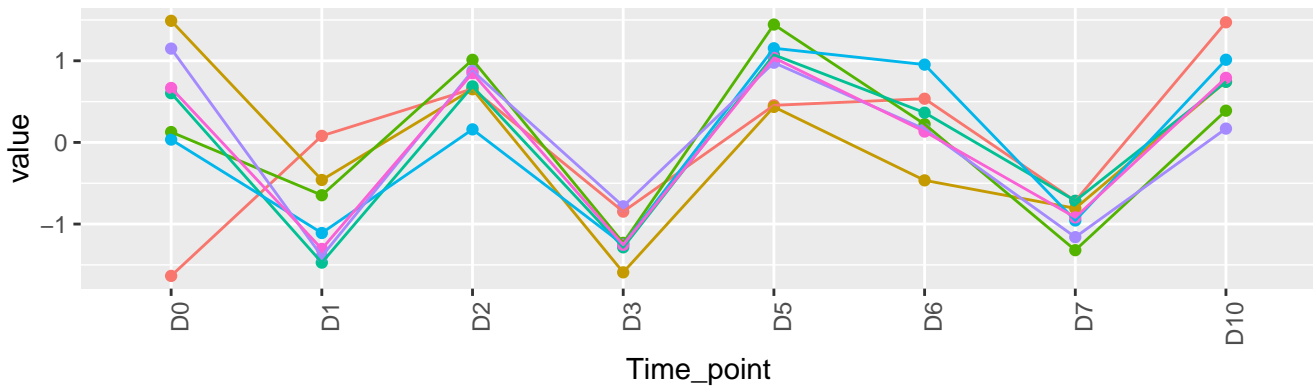
8 genes – WT-cluster-36-standardized



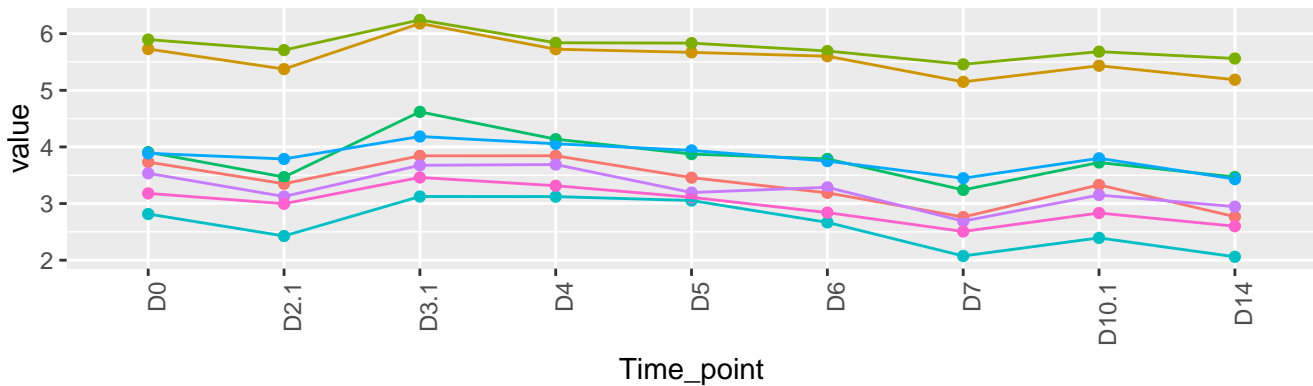
7 genes – KO-cluster-36-original



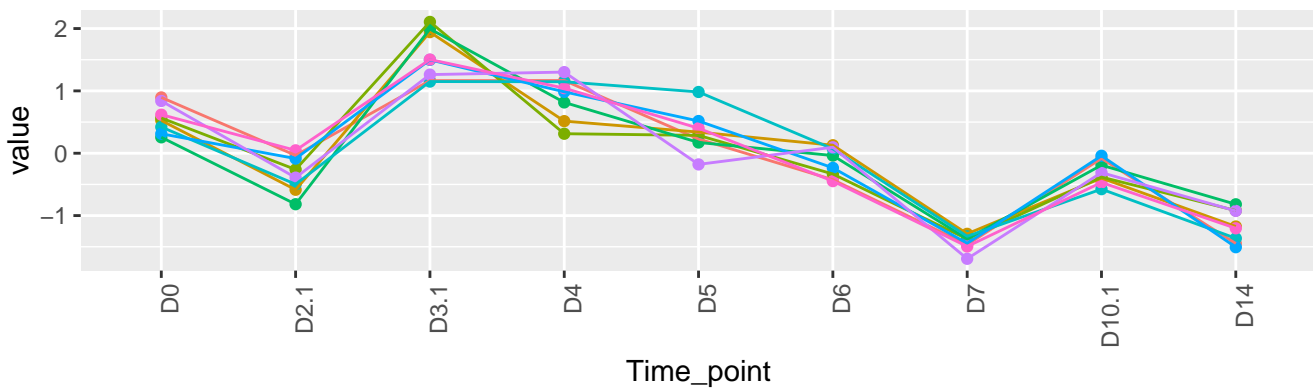
7 genes – KO-cluster-36-standardized



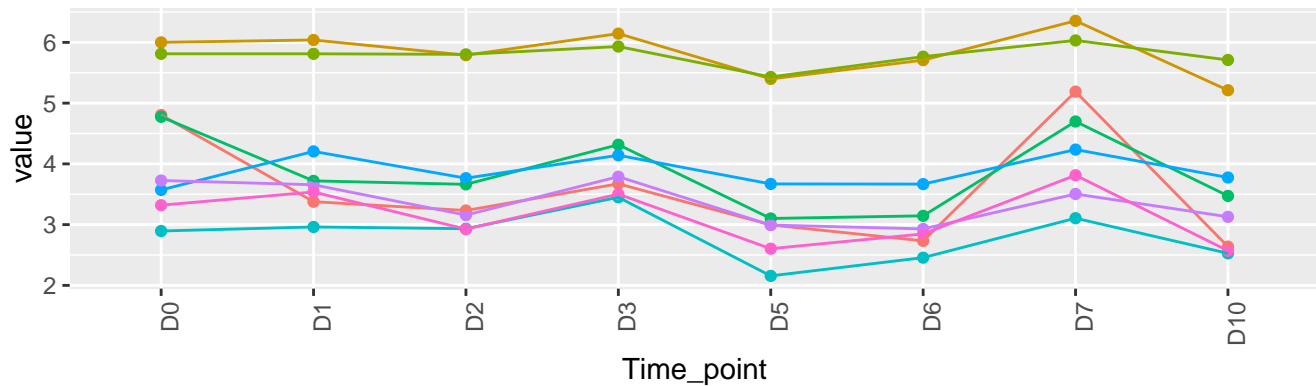
8 genes – WT-cluster-35-original



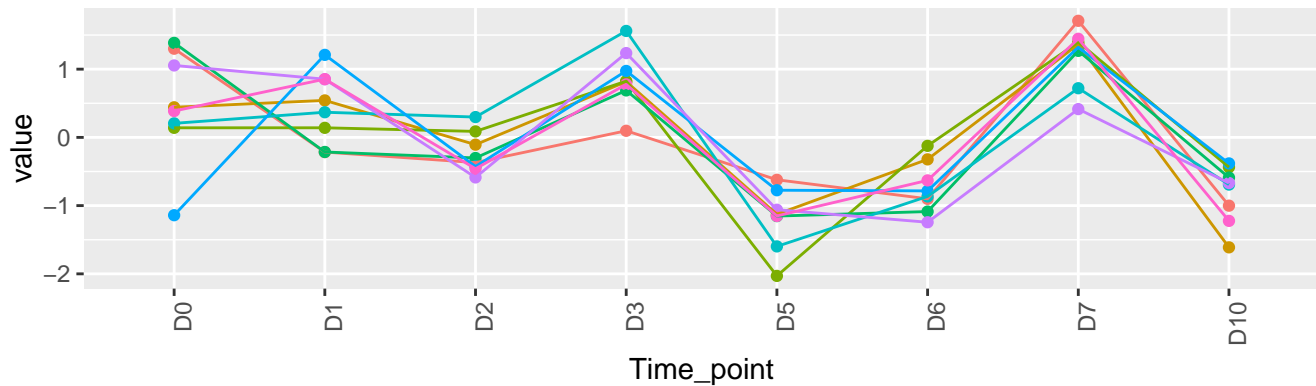
8 genes – WT-cluster-35-standardized



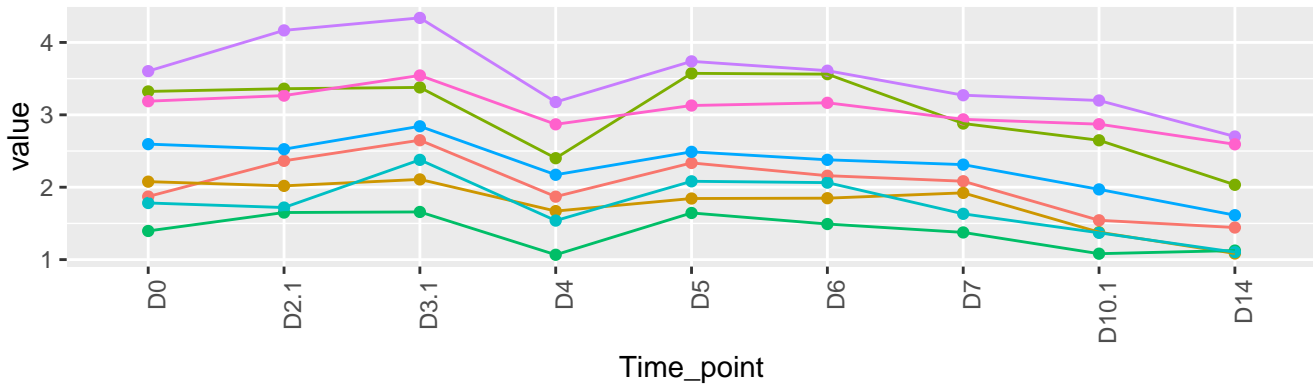
8 genes – KO-cluster-35-original



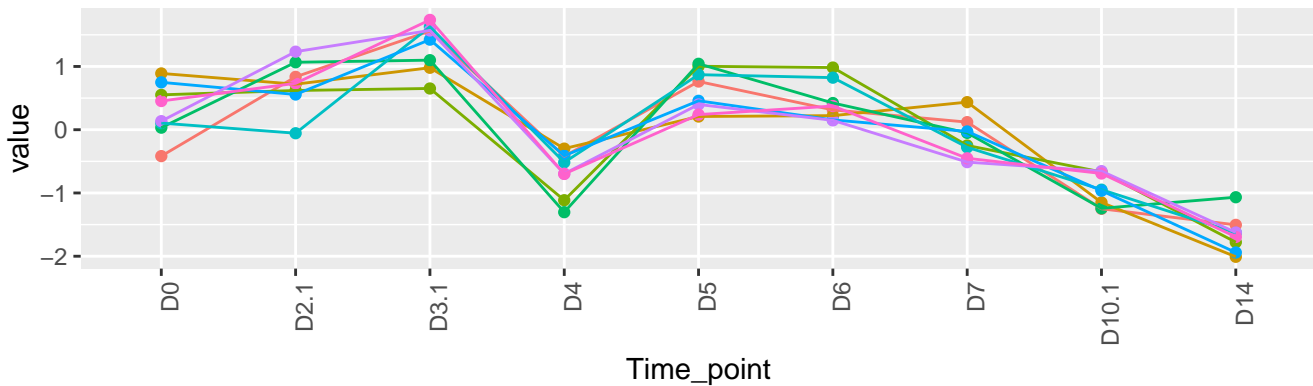
8 genes – KO-cluster-35-standardized



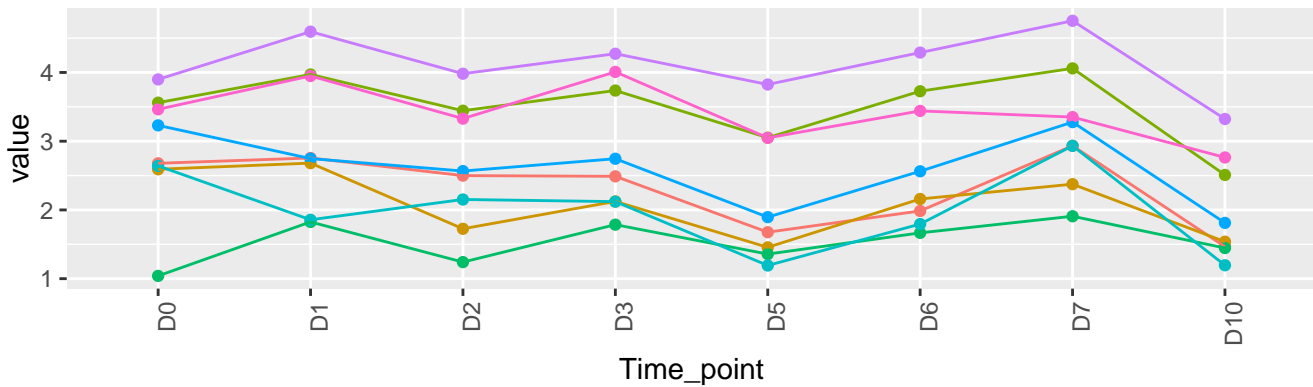
8 genes – WT-cluster-34-original



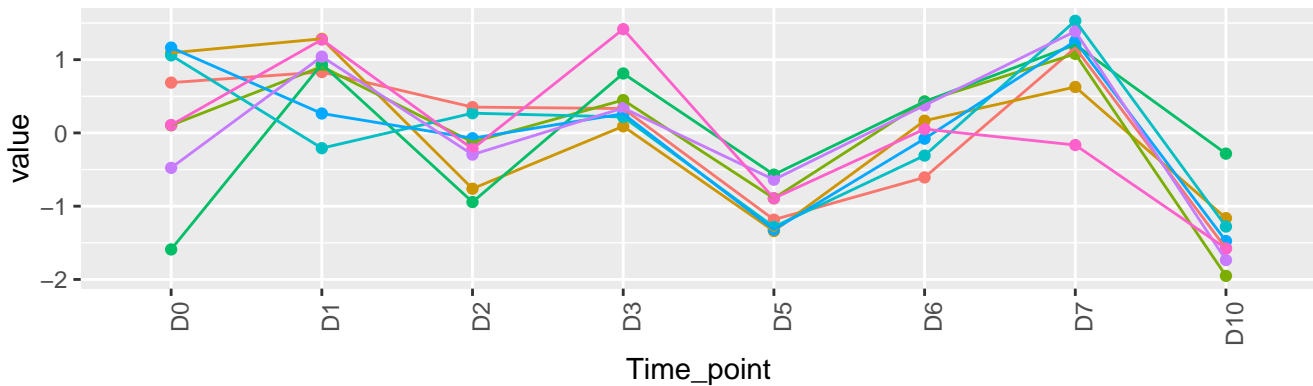
8 genes – WT-cluster-34-standardized



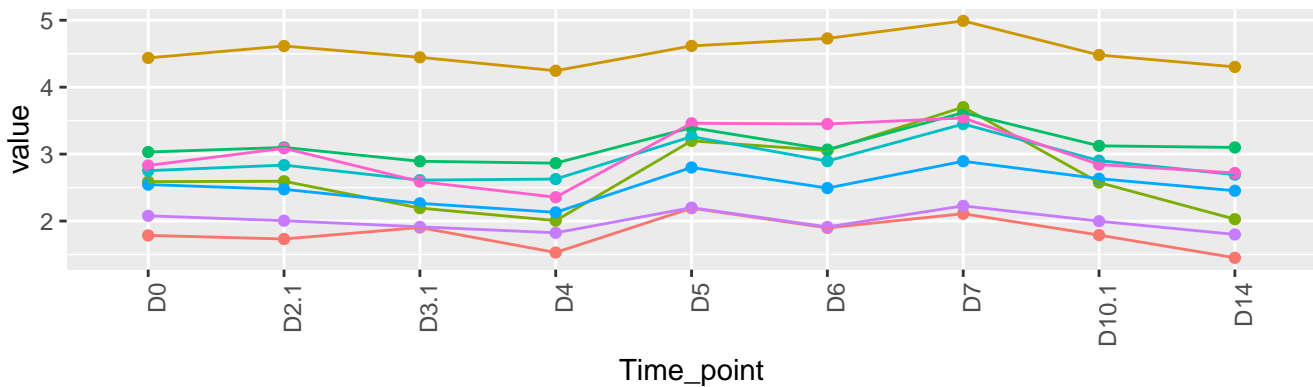
8 genes – KO-cluster-34-original



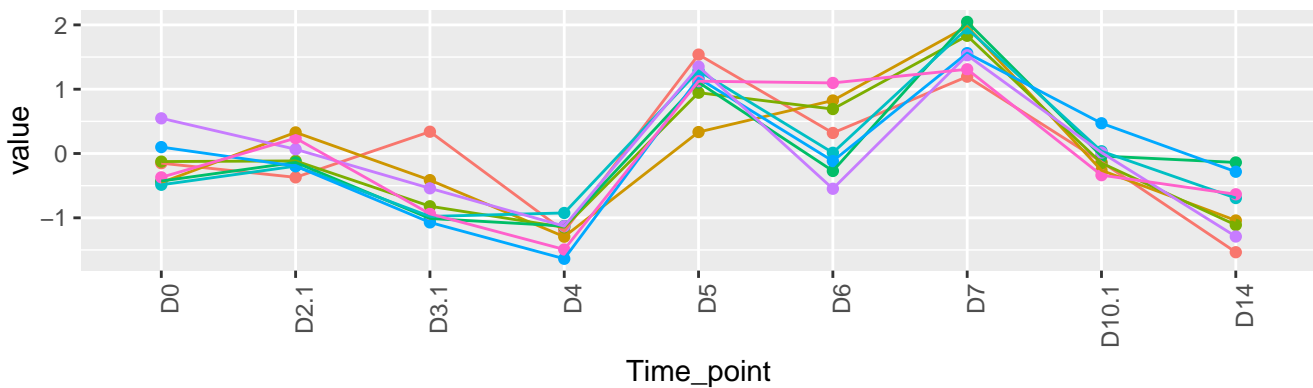
8 genes – KO-cluster-34-standardized



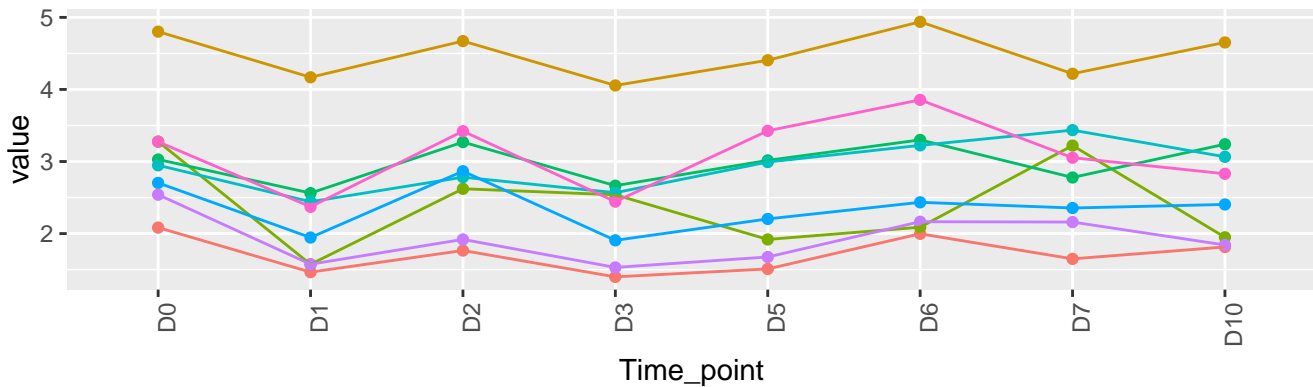
8 genes – WT-cluster-33-original



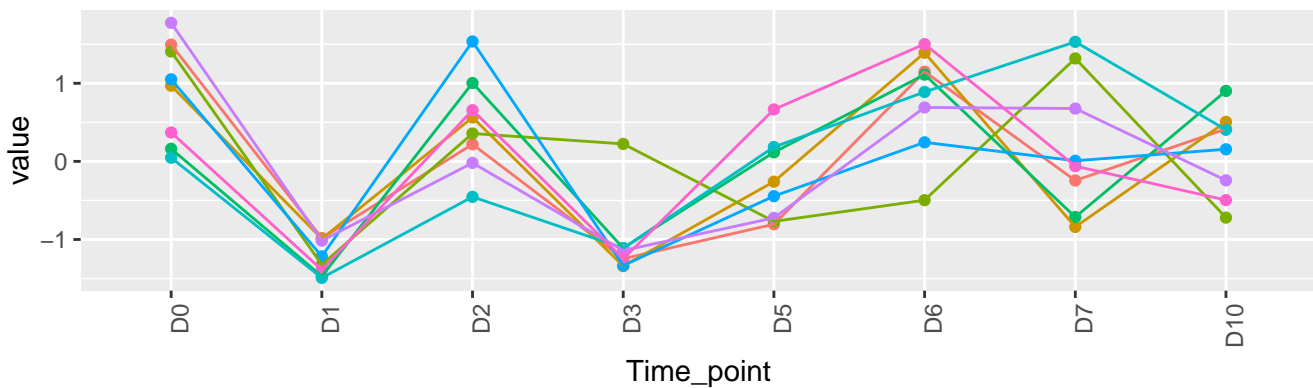
8 genes – WT-cluster-33-standardized



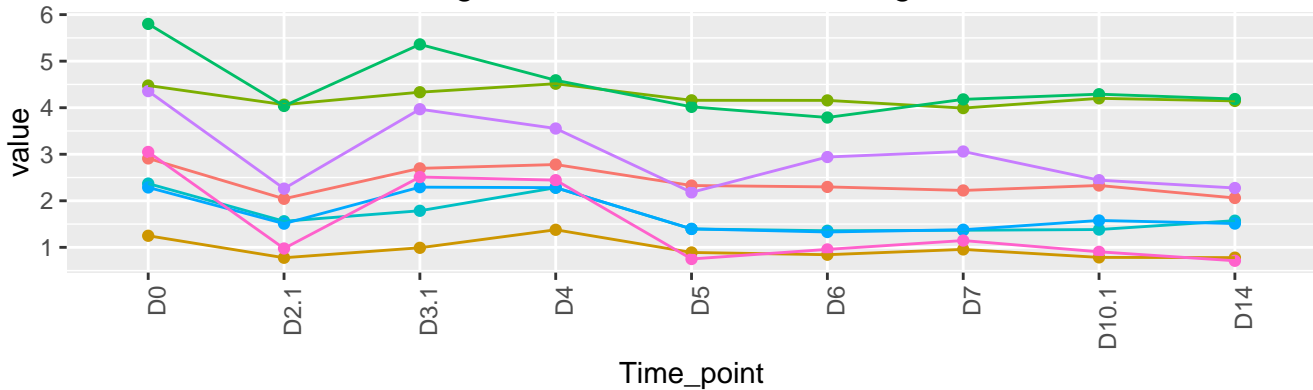
8 genes – KO-cluster-33-original



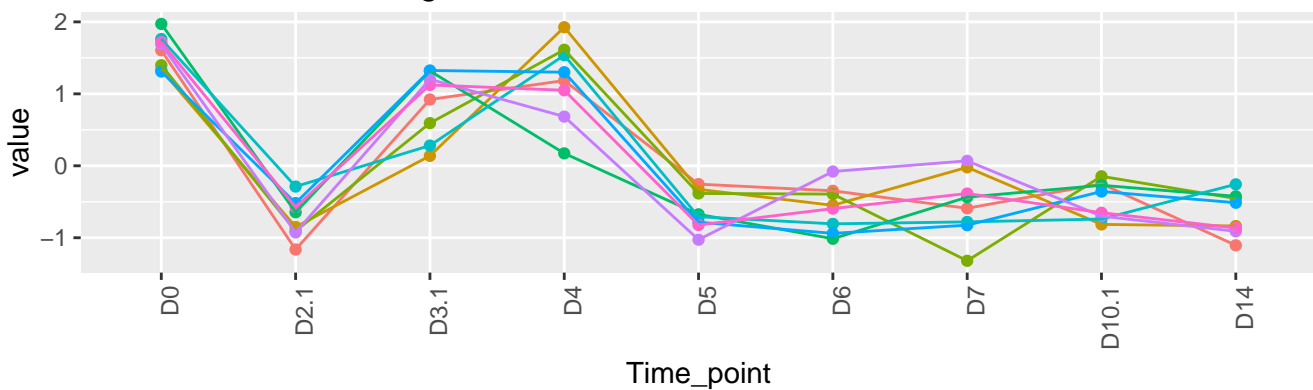
8 genes – KO-cluster-33-standardized



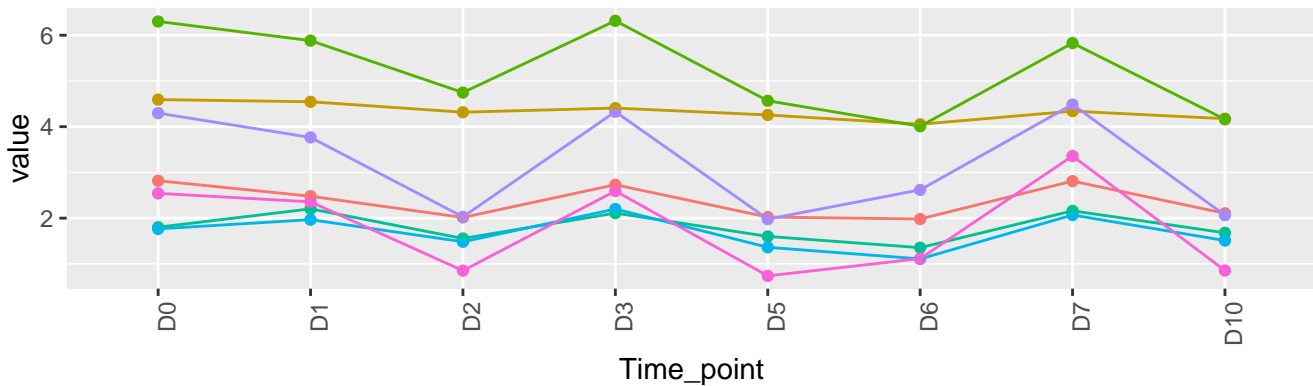
8 genes – WT-cluster-32-original



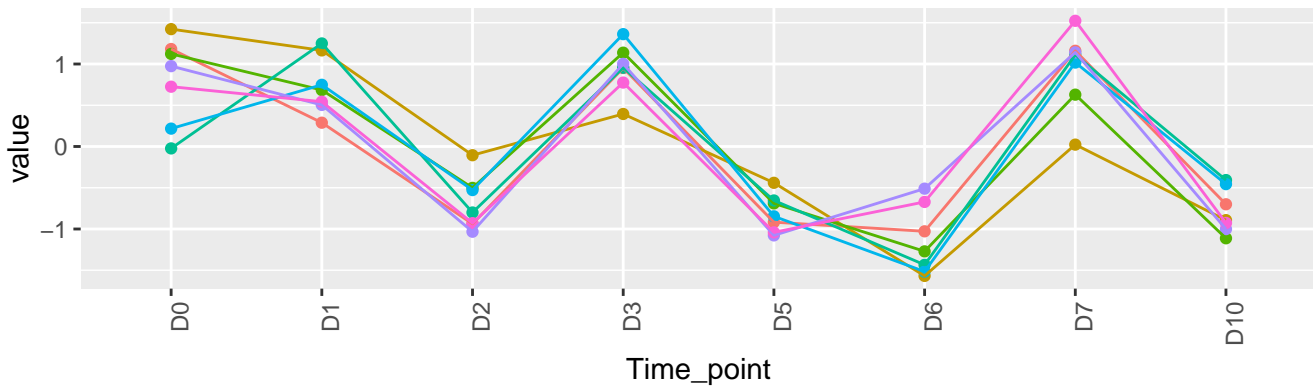
8 genes – WT-cluster-32-standardized



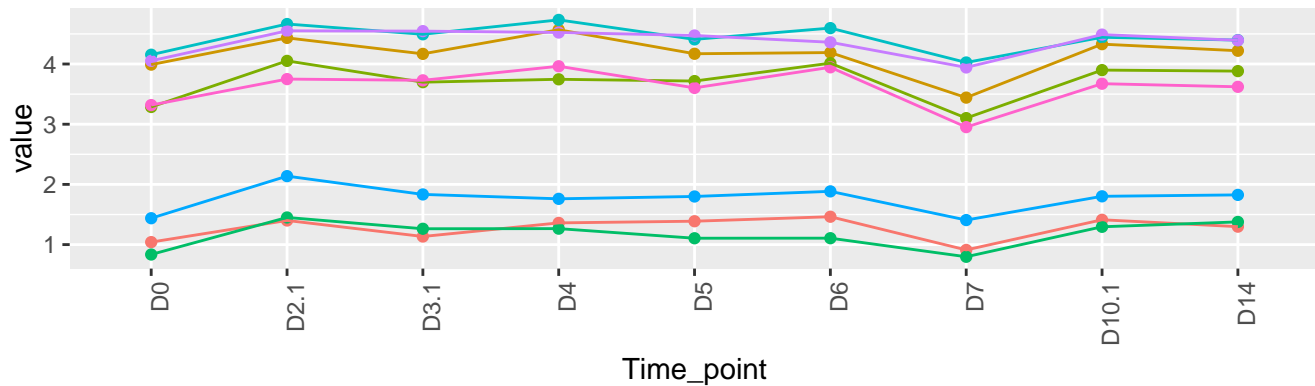
7 genes – KO-cluster-32-original



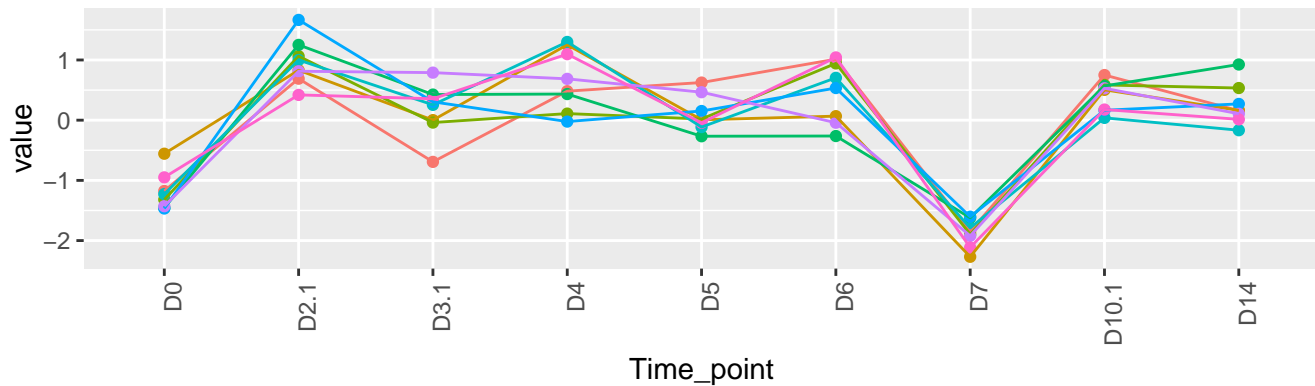
7 genes – KO-cluster-32-standardized



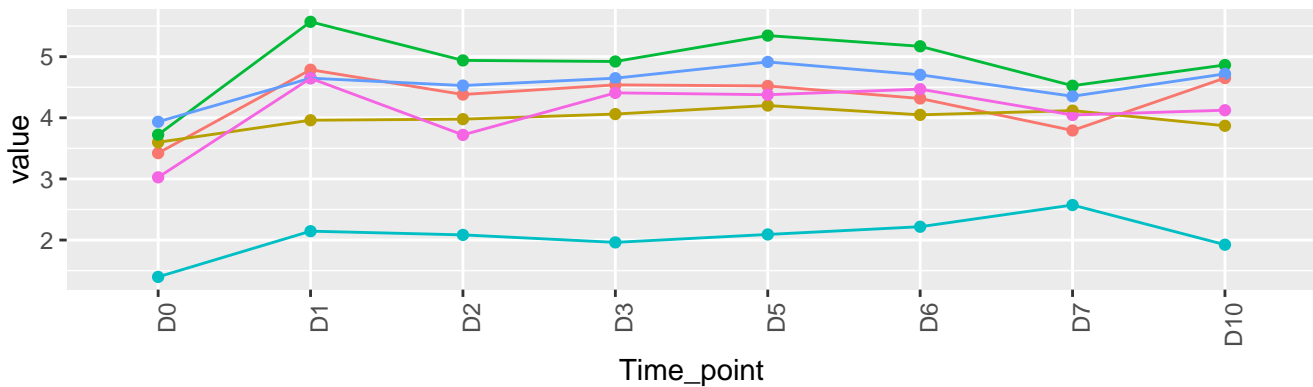
8 genes – WT-cluster-31-original



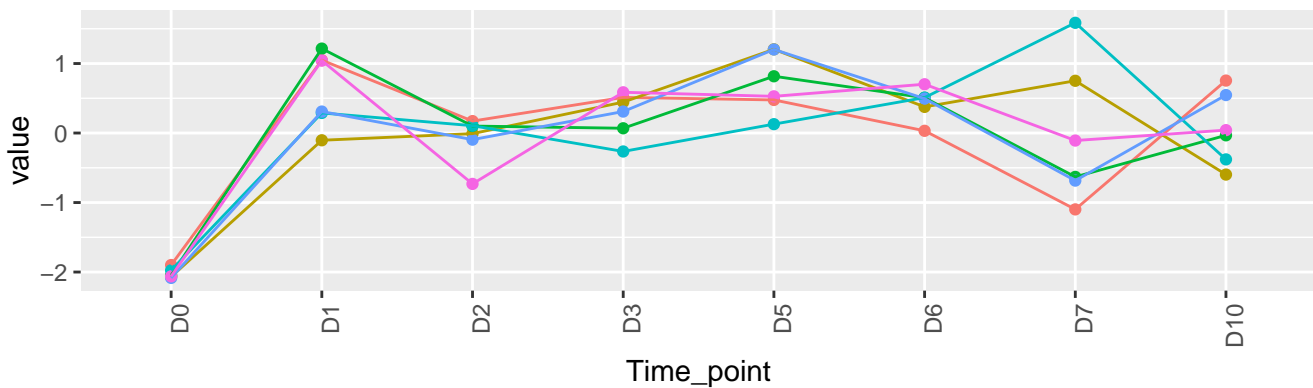
8 genes – WT-cluster-31-standardized



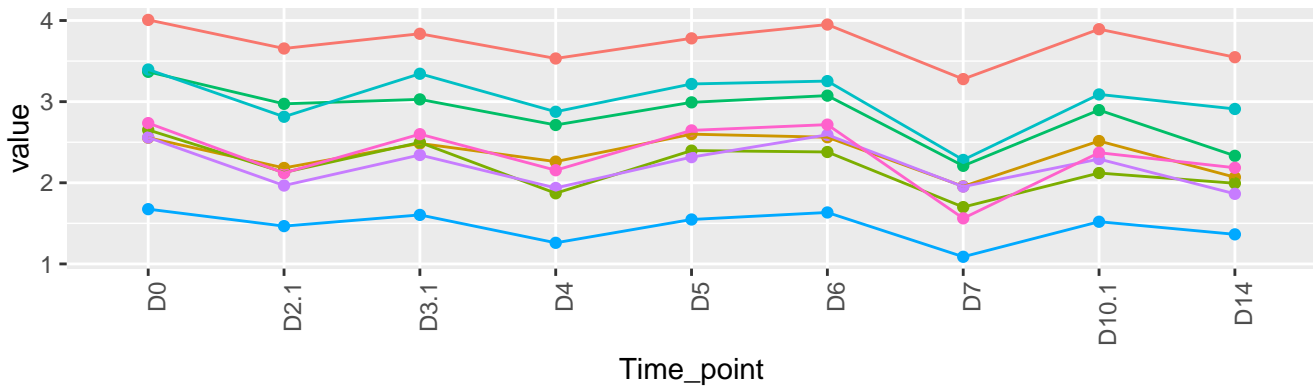
6 genes – KO-cluster-31-original



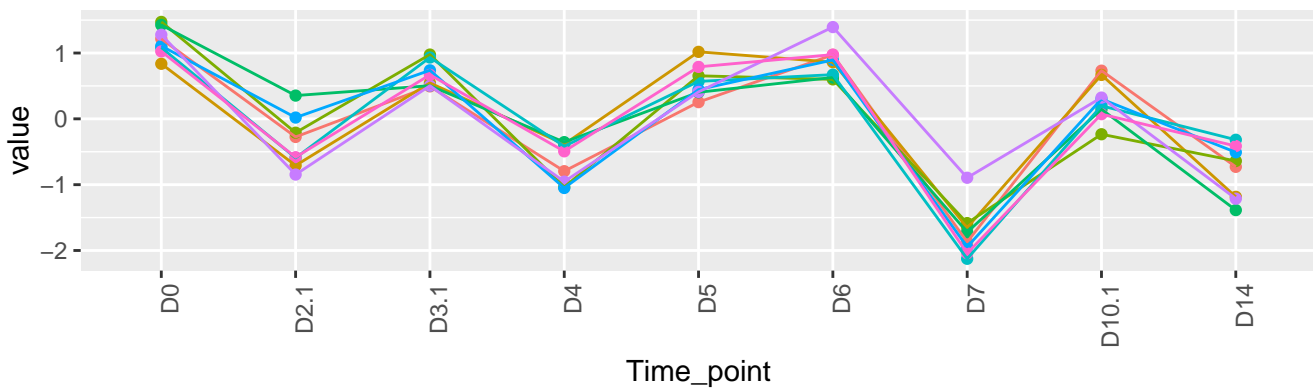
6 genes – KO-cluster-31-standardized



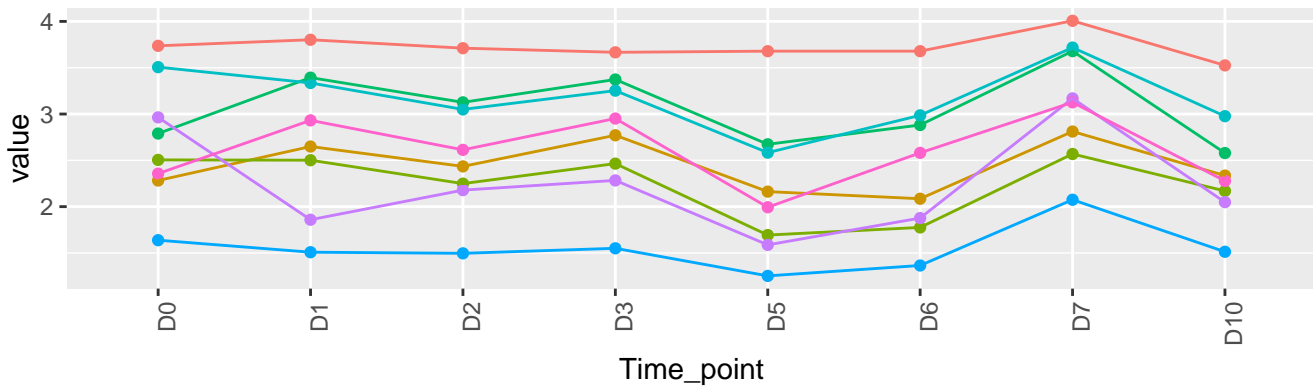
8 genes – WT-cluster-30-original



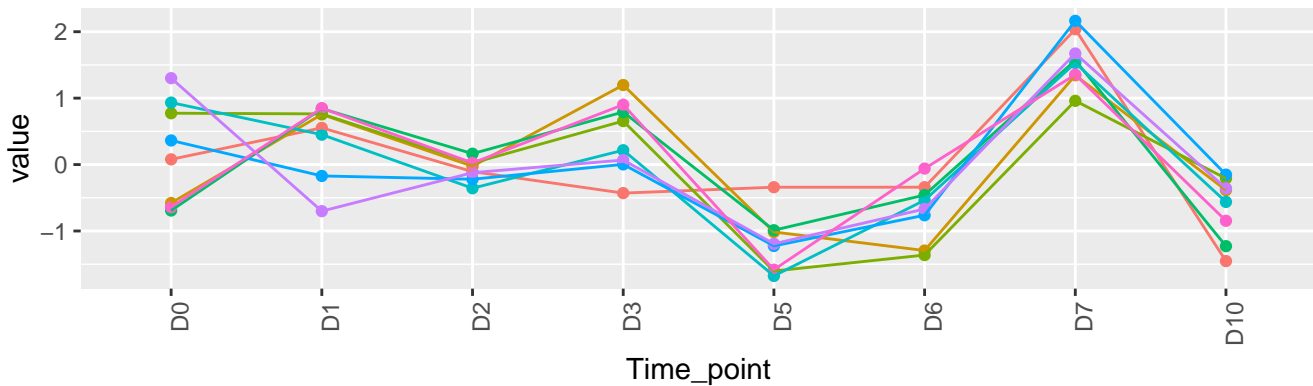
8 genes – WT-cluster-30-standardized



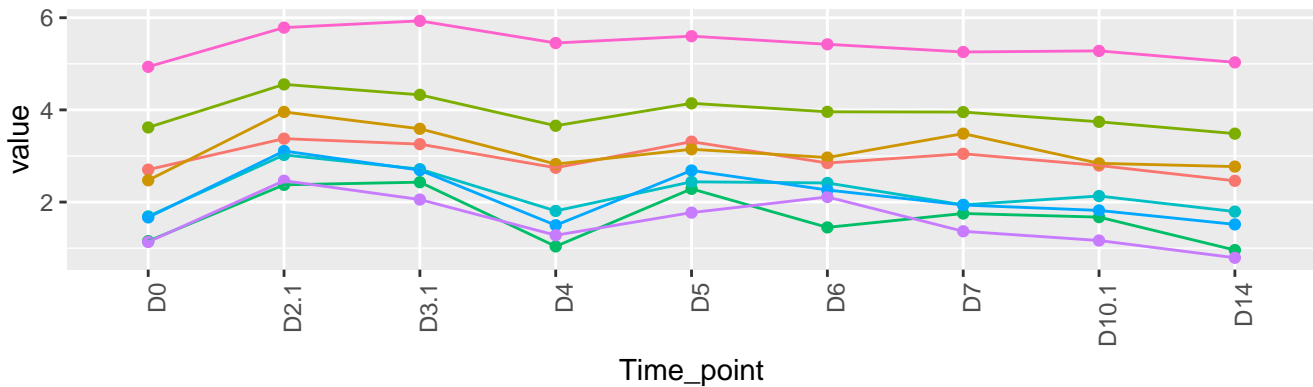
8 genes – KO-cluster-30-original



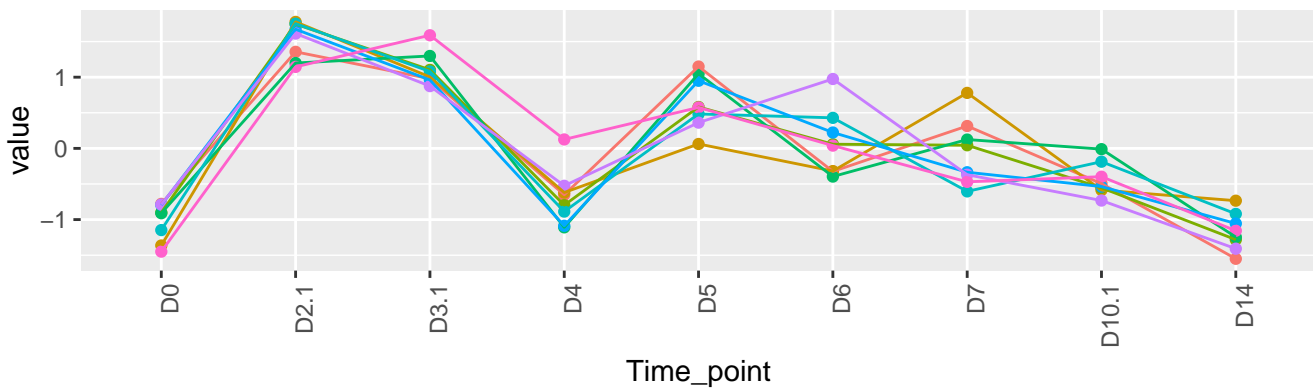
8 genes – KO-cluster-30-standardized



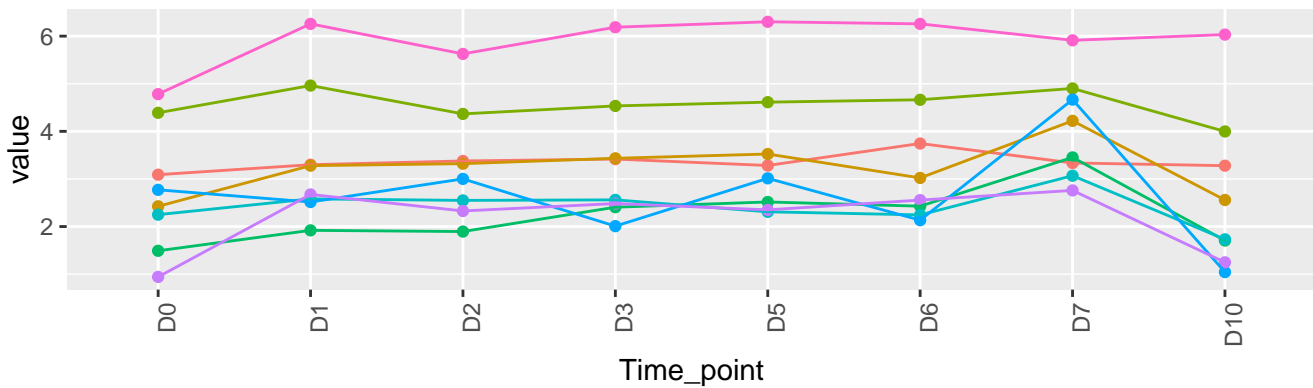
8 genes – WT-cluster-29-original



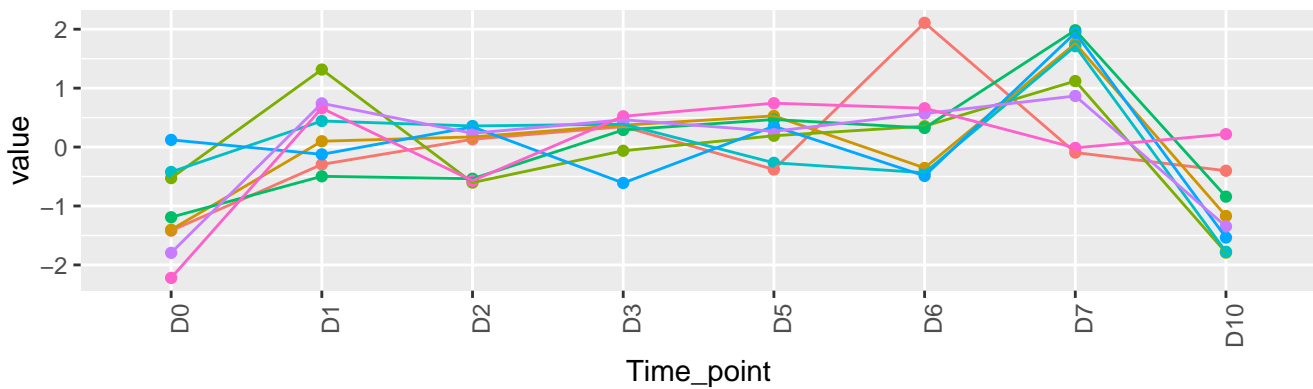
8 genes – WT-cluster-29-standardized



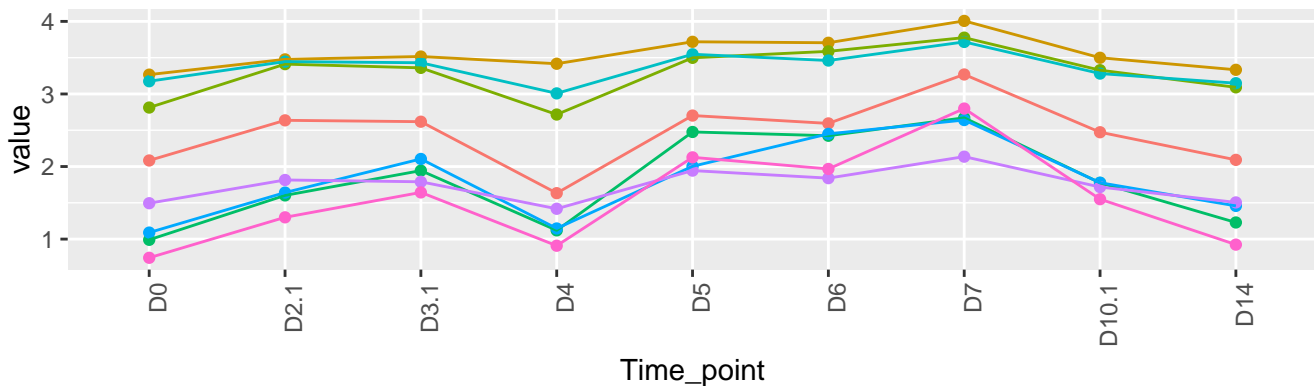
8 genes – KO-cluster-29-original



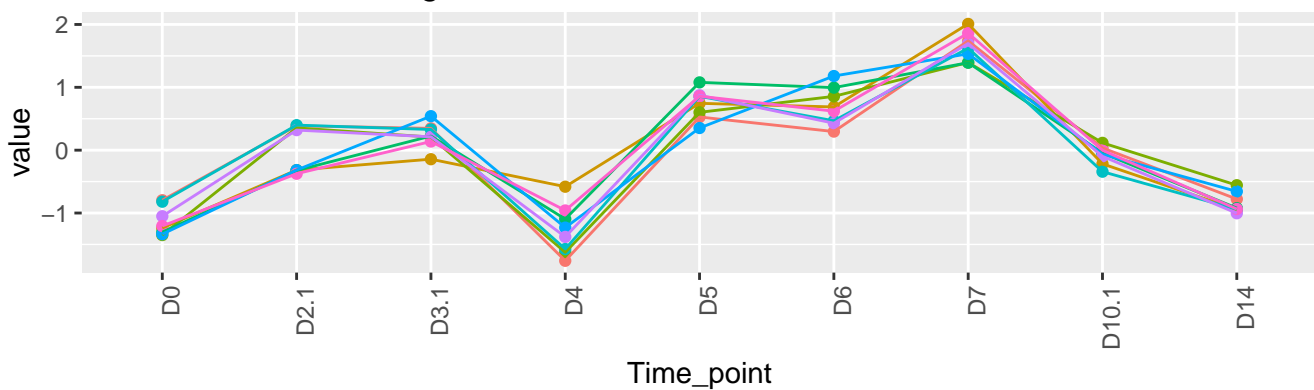
8 genes – KO-cluster-29-standardized



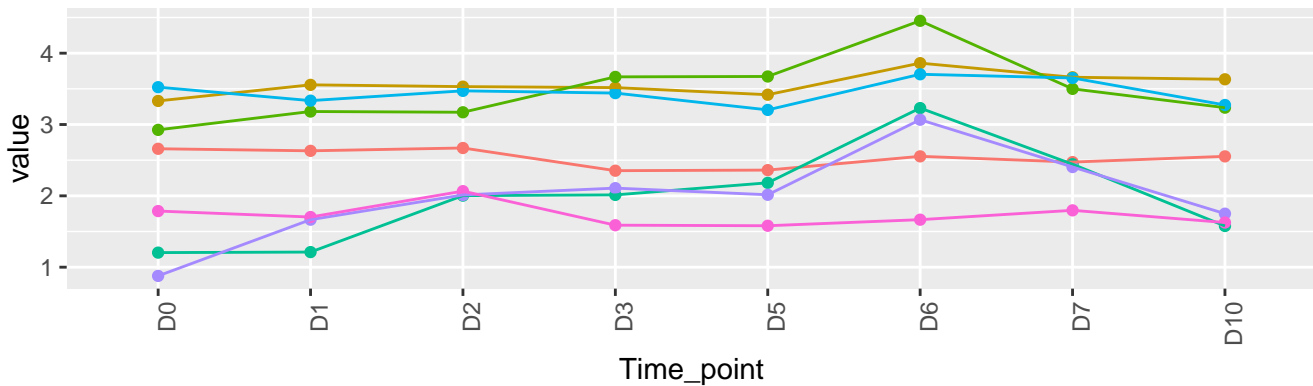
8 genes – WT-cluster-28-original



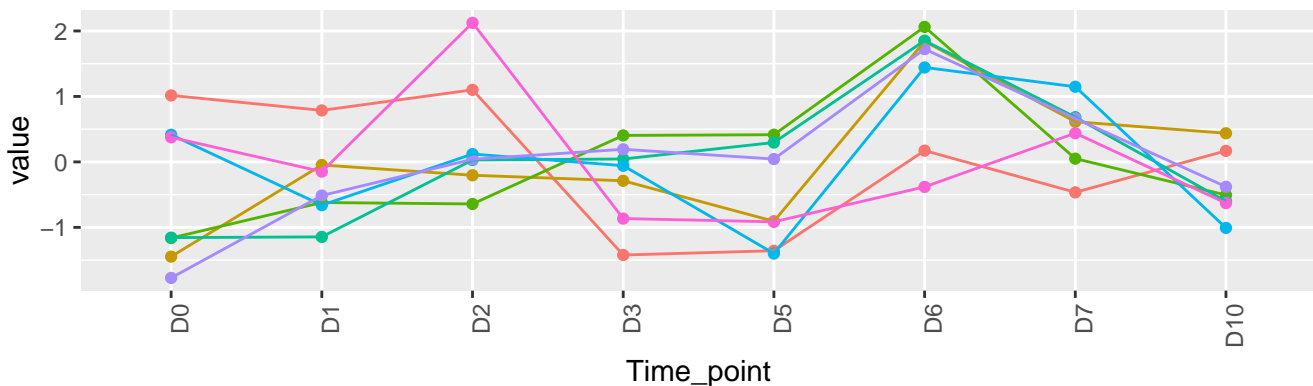
8 genes – WT-cluster-28-standardized



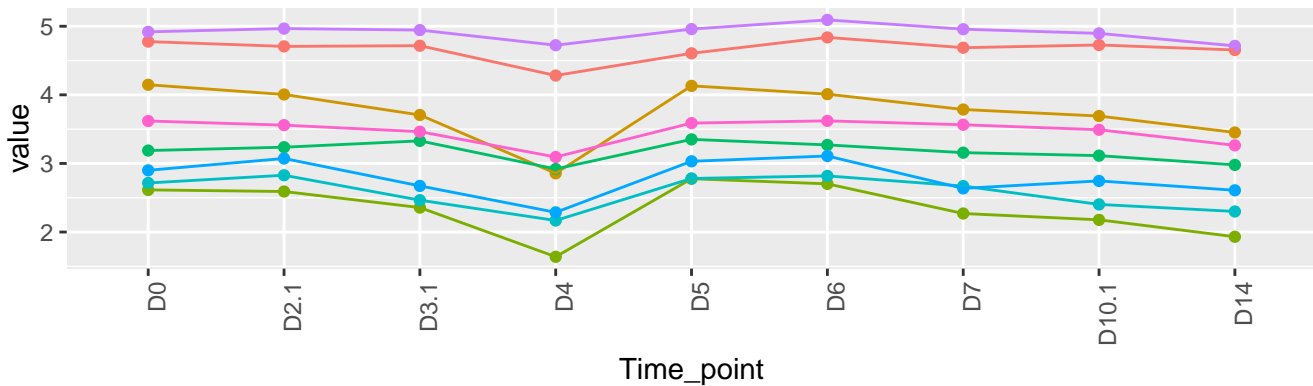
7 genes – KO-cluster-28-original



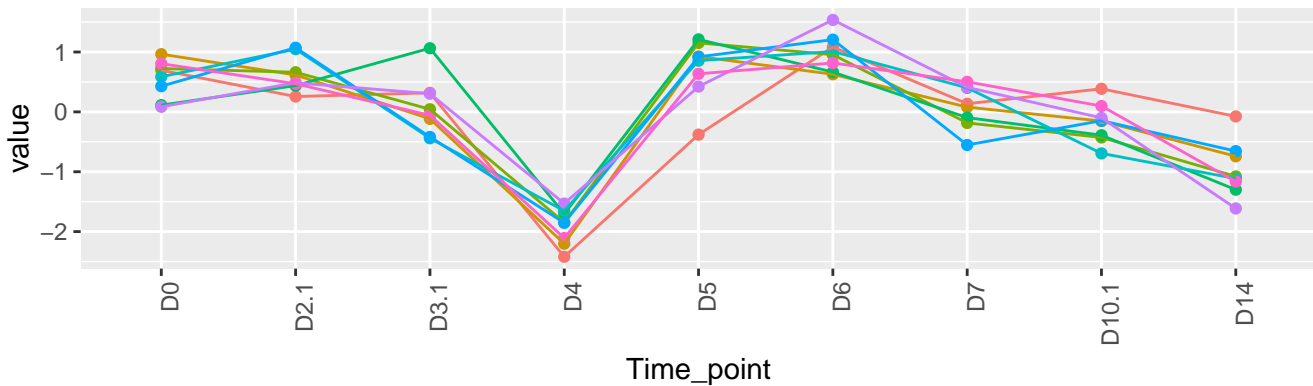
7 genes – KO-cluster-28-standardized



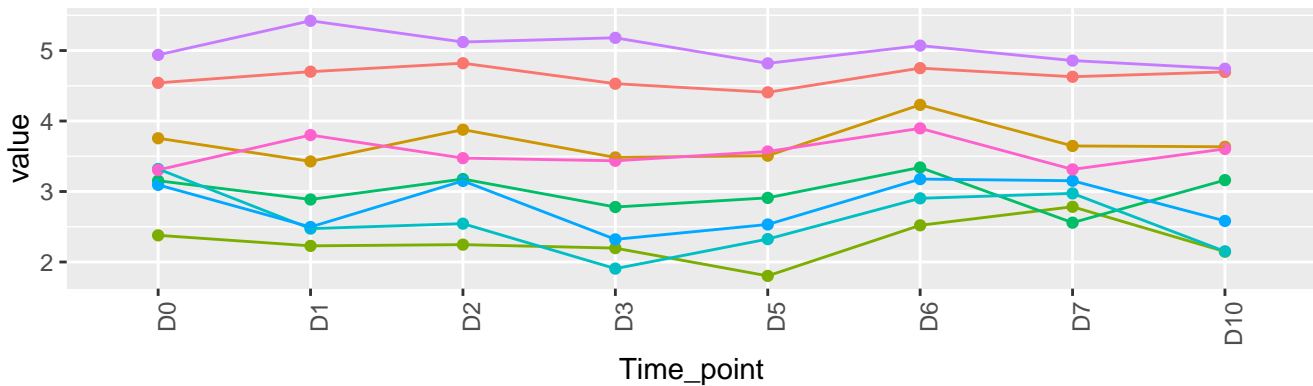
8 genes – WT-cluster-27-original



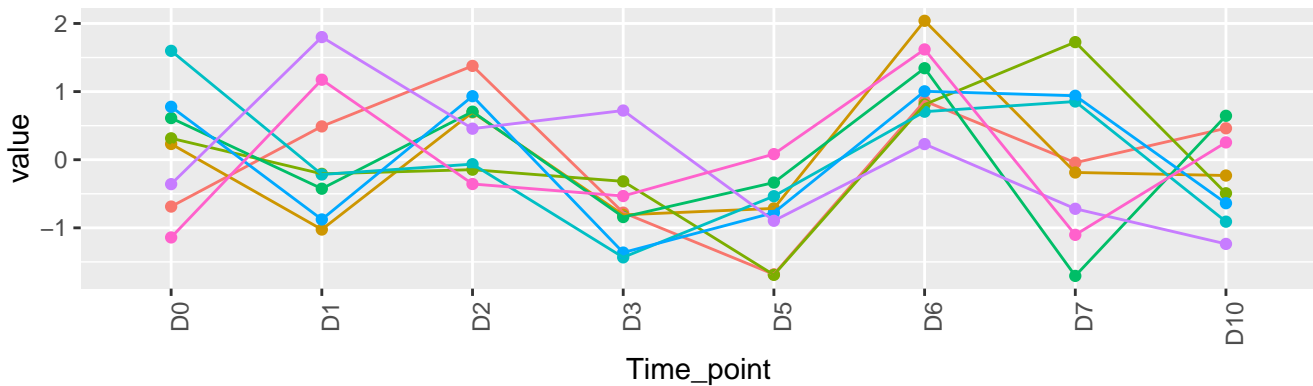
8 genes – WT-cluster-27-standardized



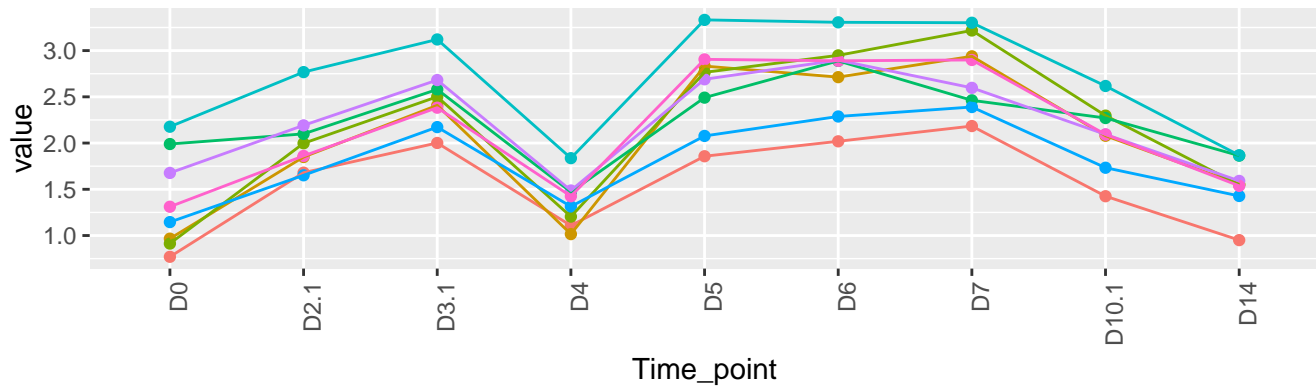
8 genes – KO-cluster-27-original



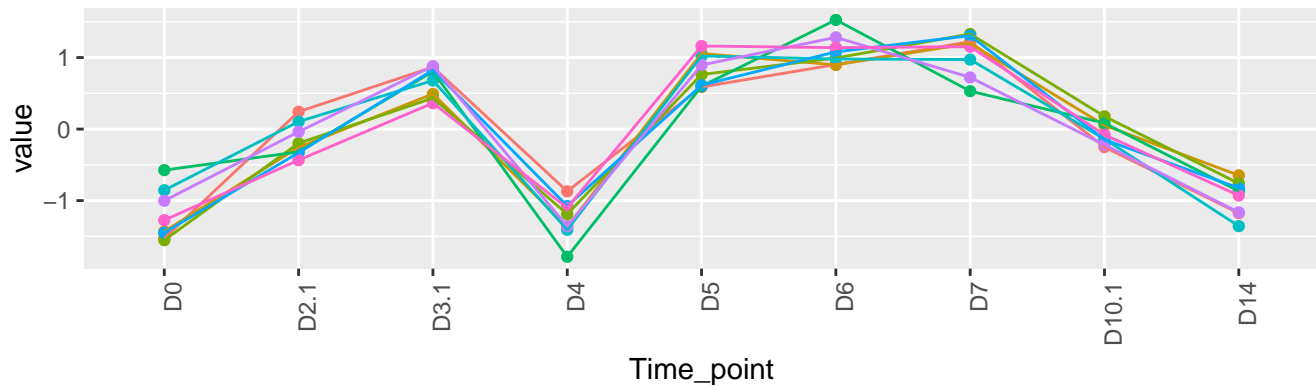
8 genes – KO-cluster-27-standardized



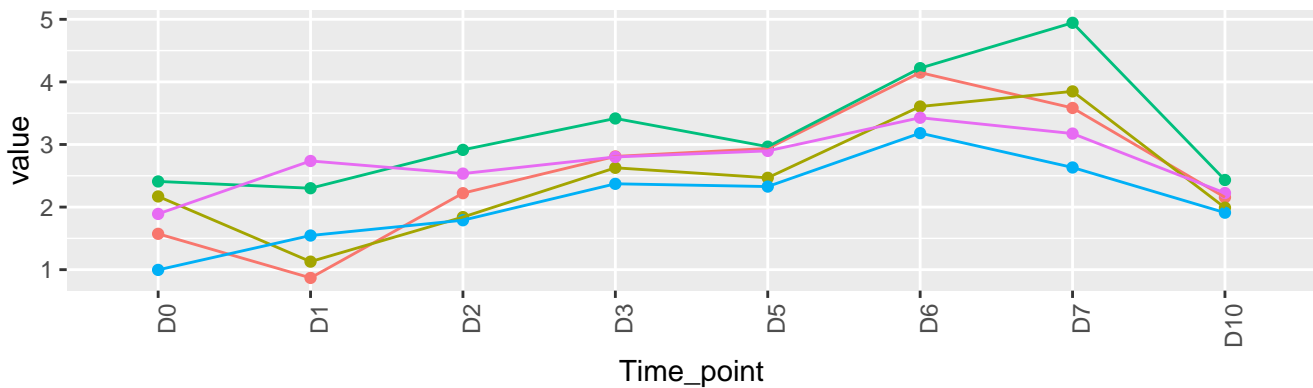
8 genes – WT-cluster-26-original



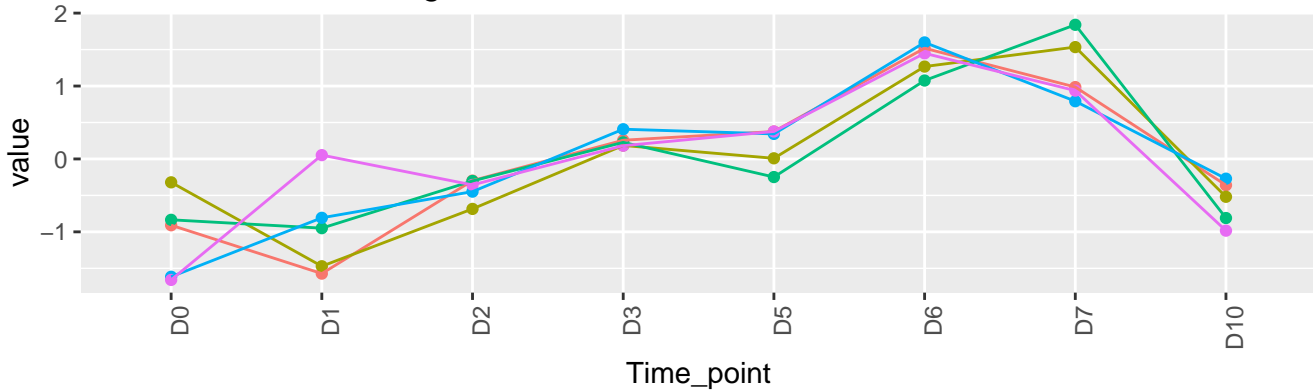
8 genes – WT-cluster-26-standardized



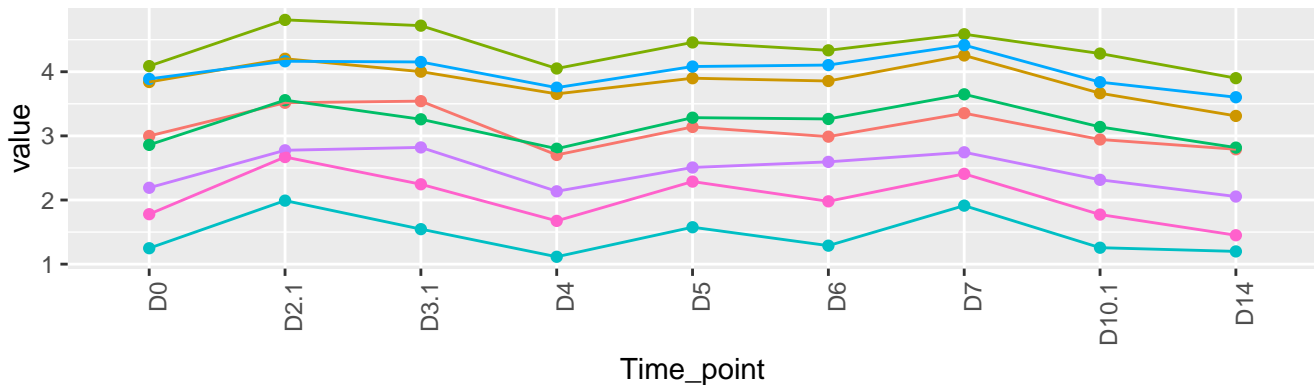
5 genes – KO-cluster-26-original



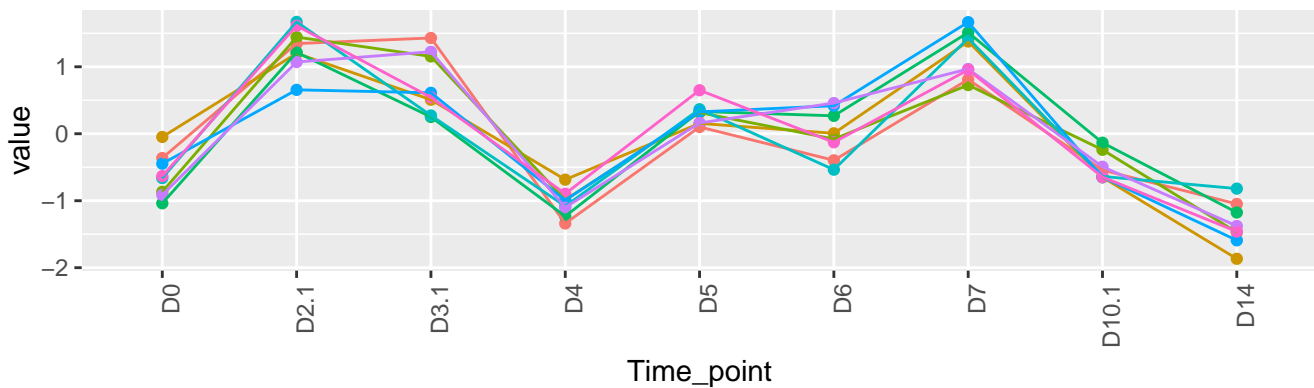
5 genes – KO-cluster-26-standardized



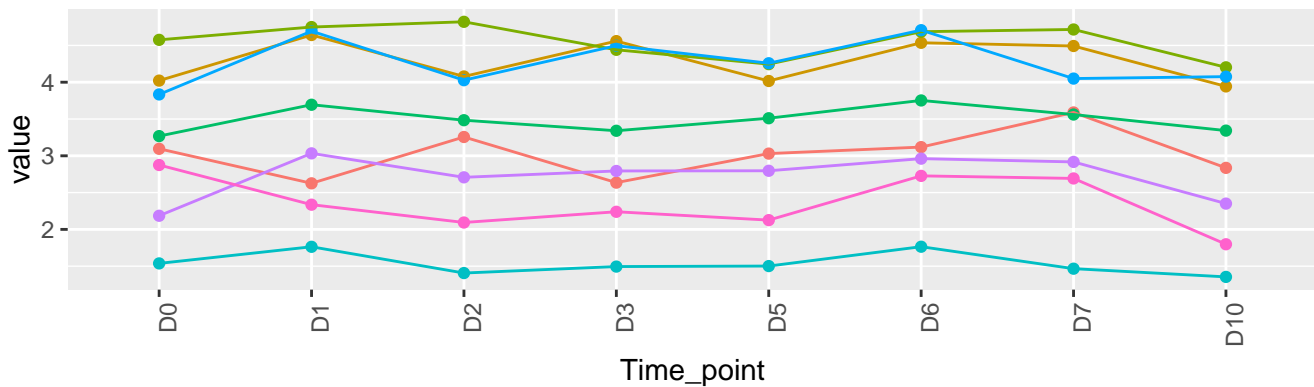
8 genes – WT-cluster-25-original



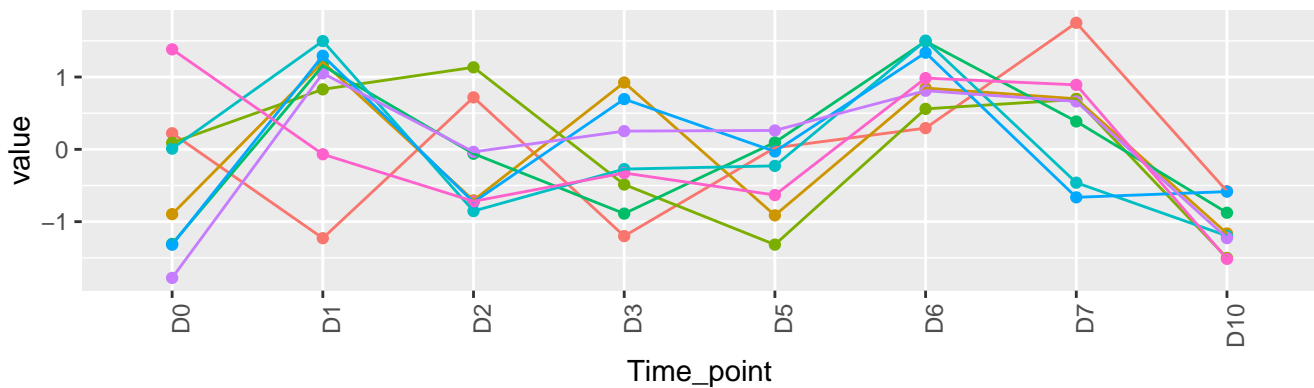
8 genes – WT-cluster-25-standardized



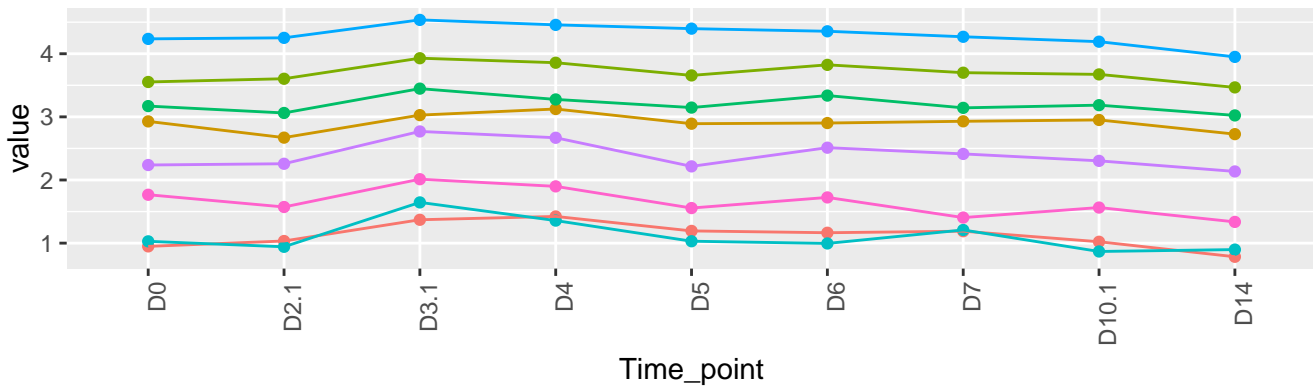
8 genes – KO-cluster-25-original



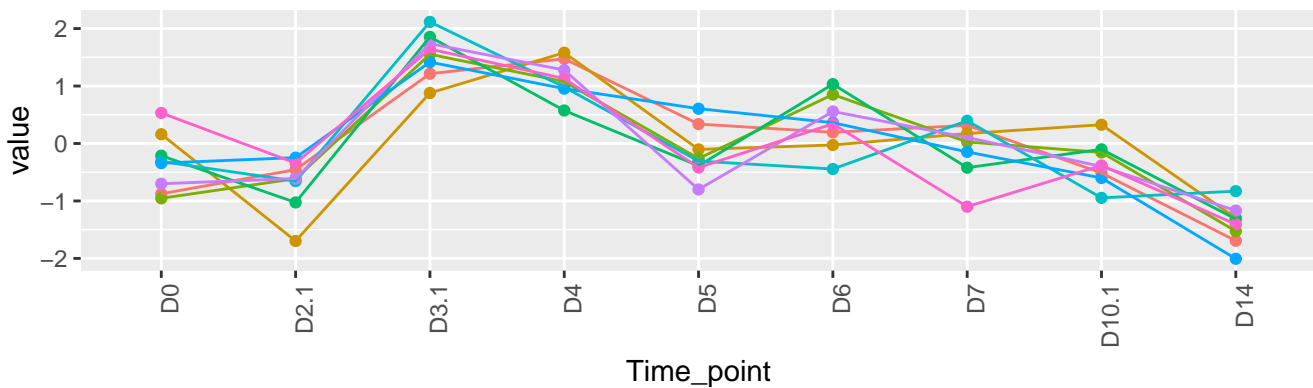
8 genes – KO-cluster-25-standardized



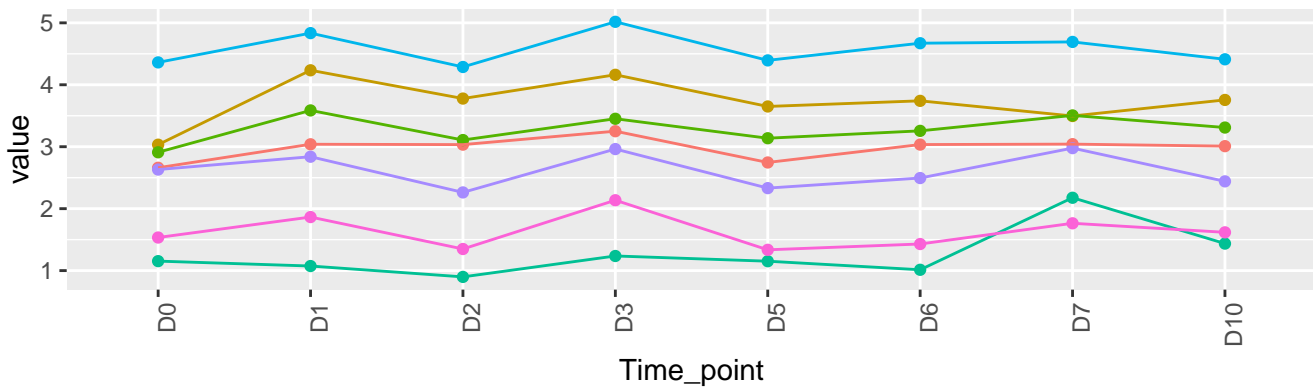
8 genes – WT-cluster-24-original



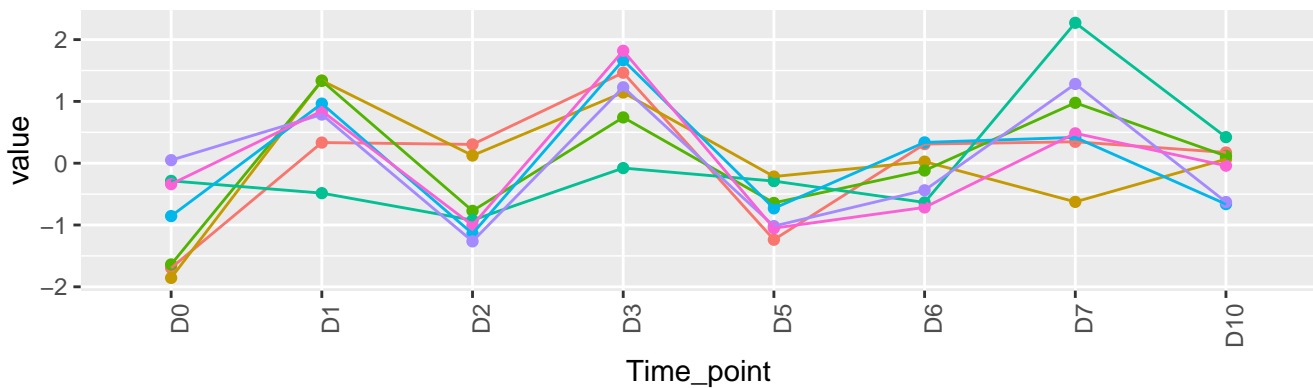
8 genes – WT-cluster-24-standardized



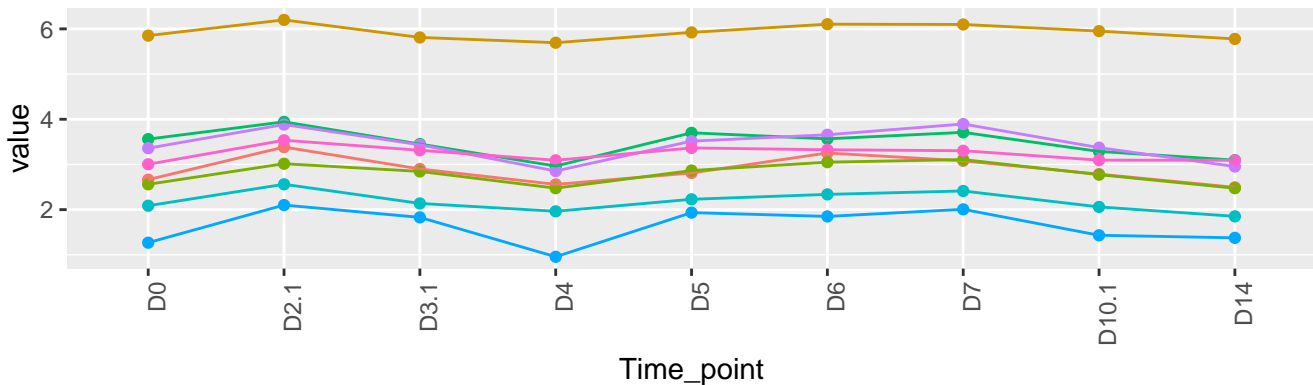
7 genes – KO-cluster-24-original



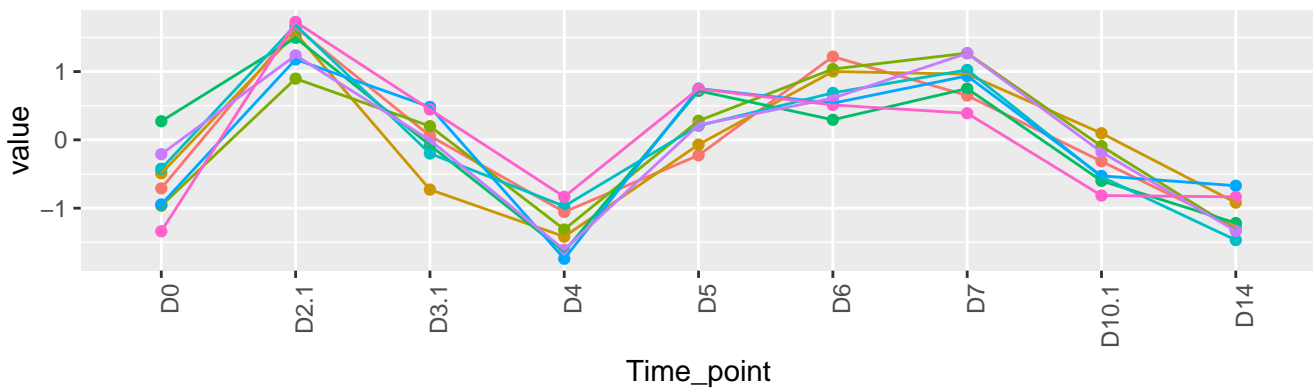
7 genes – KO-cluster-24-standardized



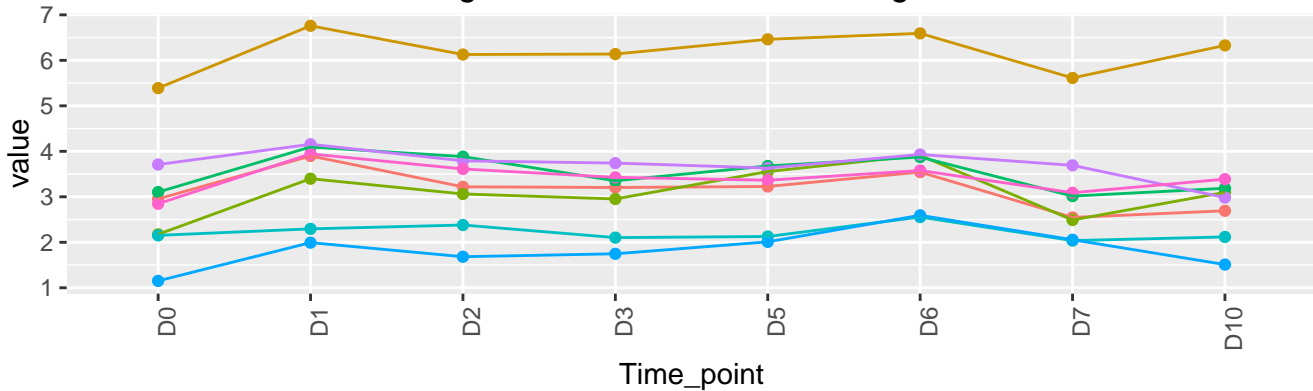
8 genes – WT-cluster-23-original



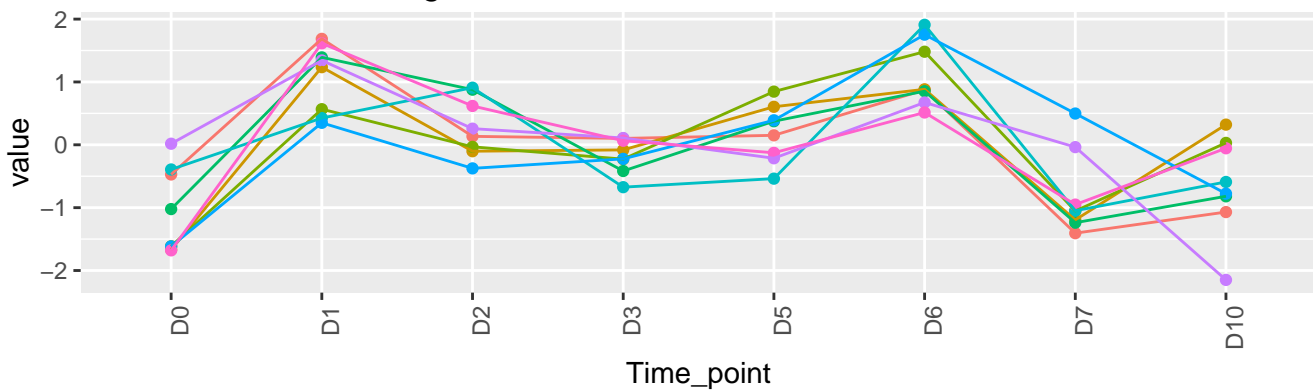
8 genes – WT-cluster-23-standardized



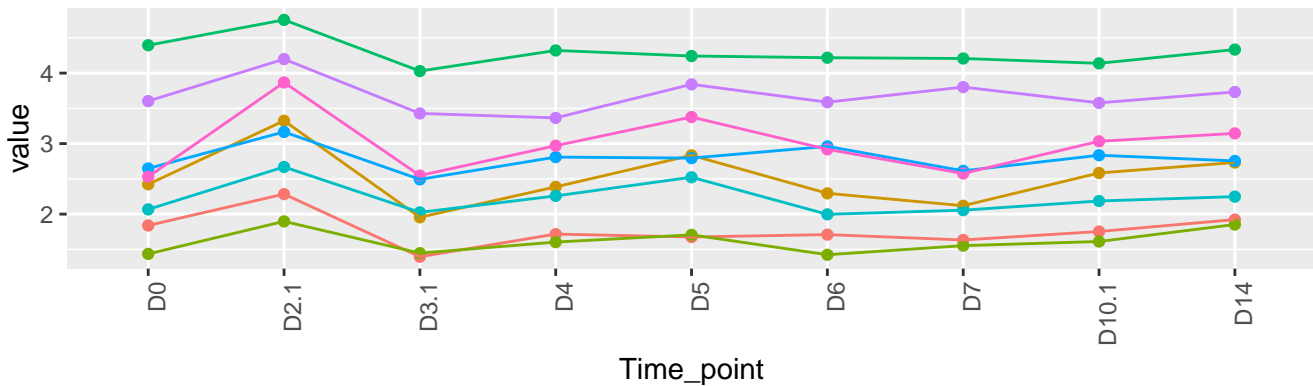
8 genes – KO-cluster-23-original



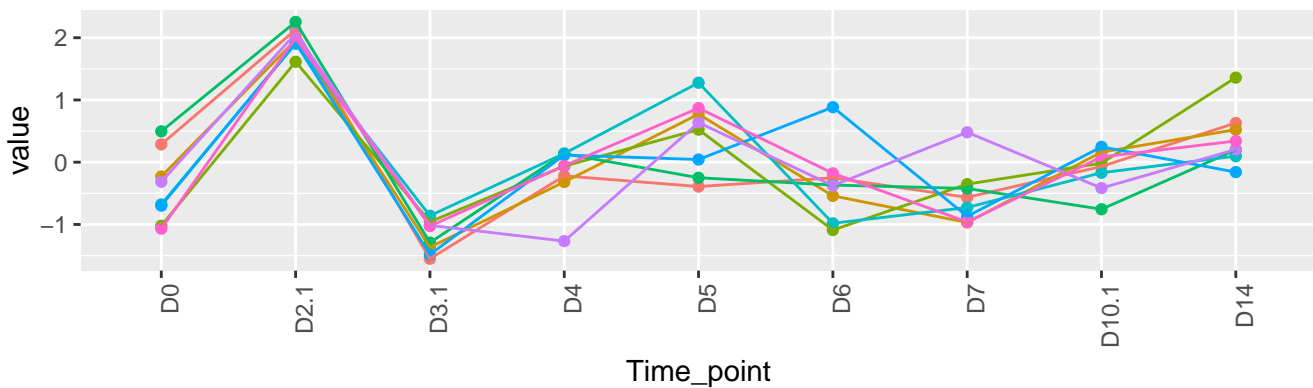
8 genes – KO-cluster-23-standardized



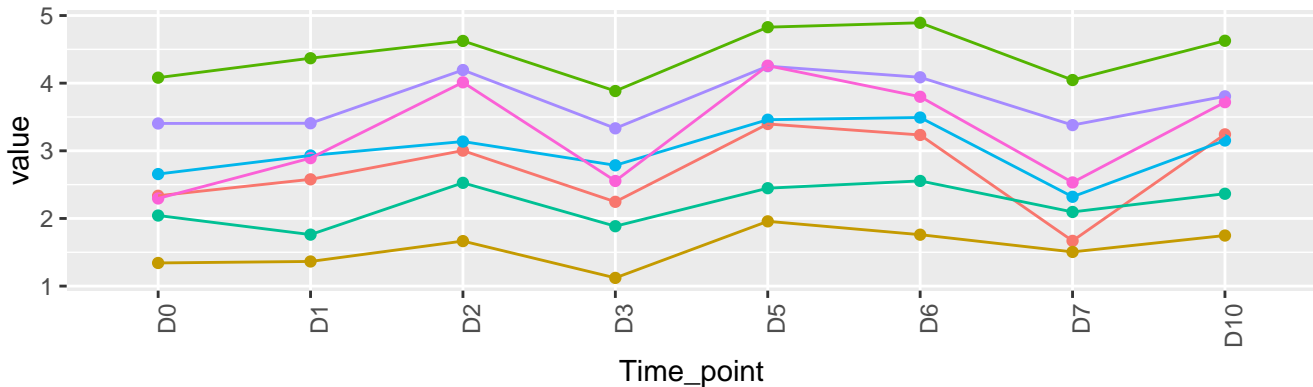
8 genes – WT-cluster-22-original



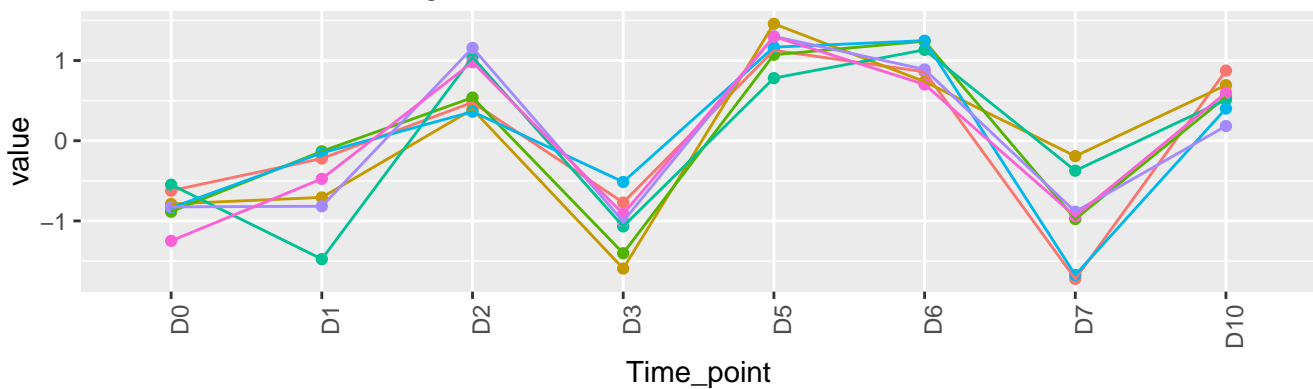
8 genes – WT-cluster-22-standardized



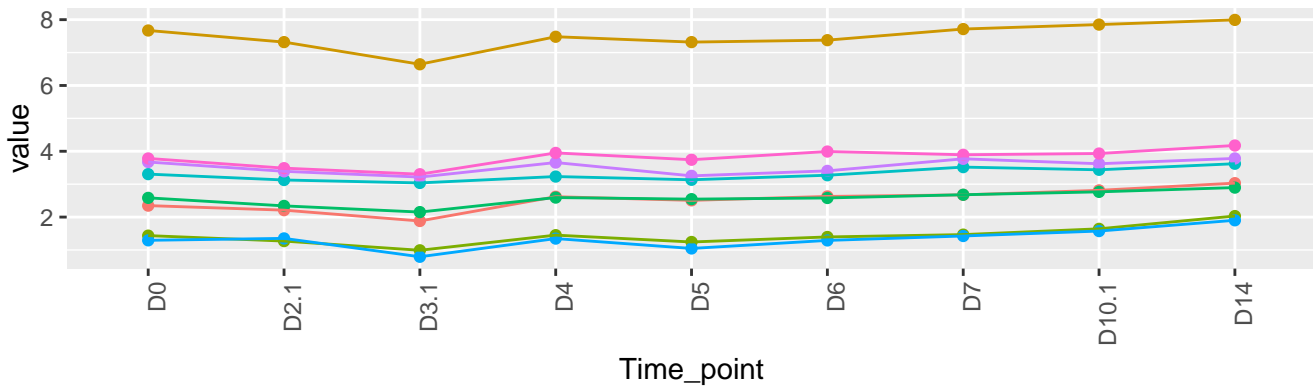
7 genes – KO-cluster-22-original



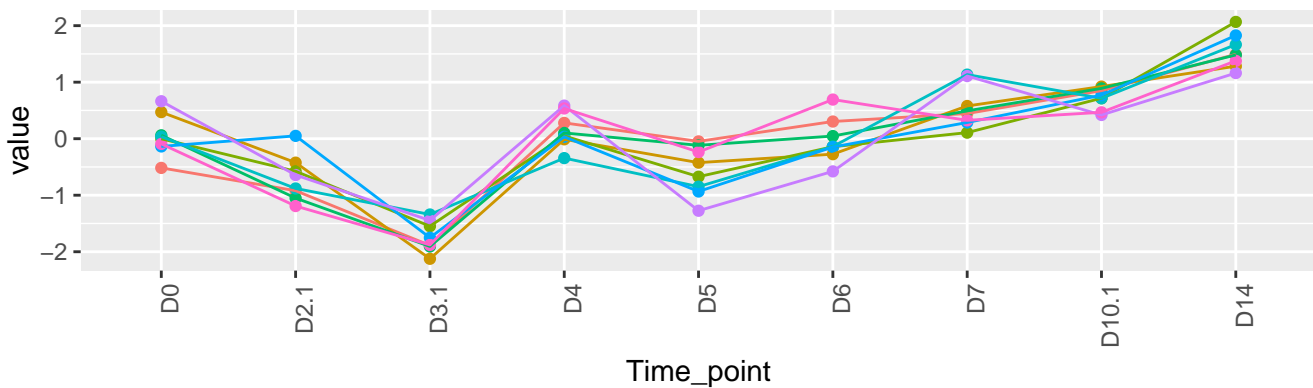
7 genes – KO-cluster-22-standardized



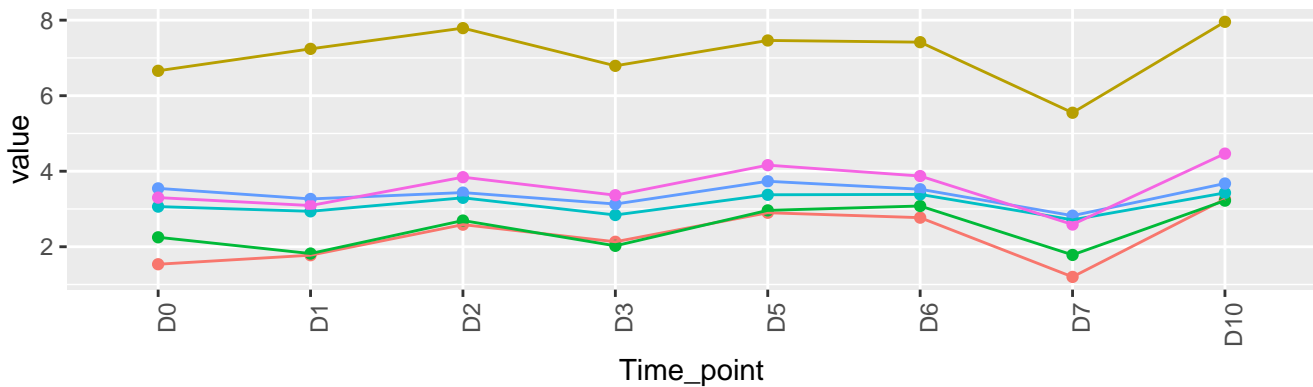
8 genes – WT-cluster-21-original



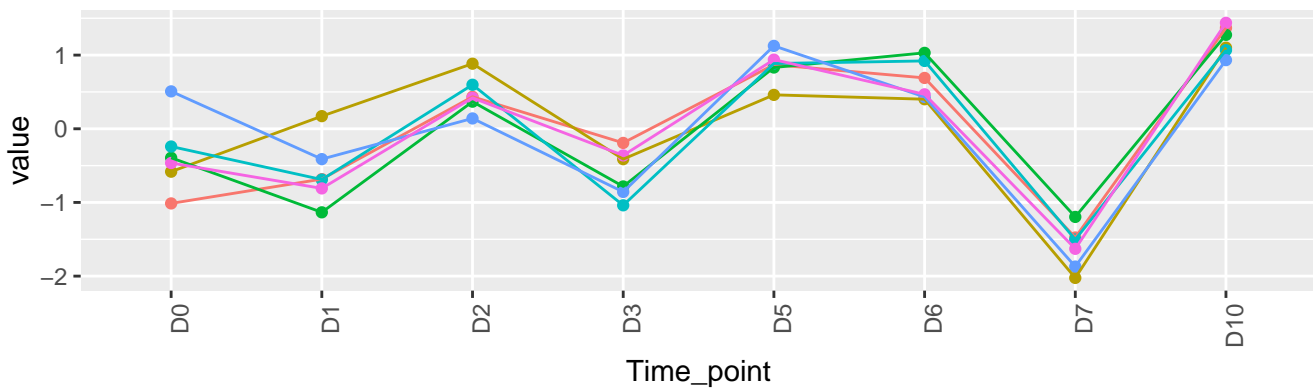
8 genes – WT-cluster-21-standardized



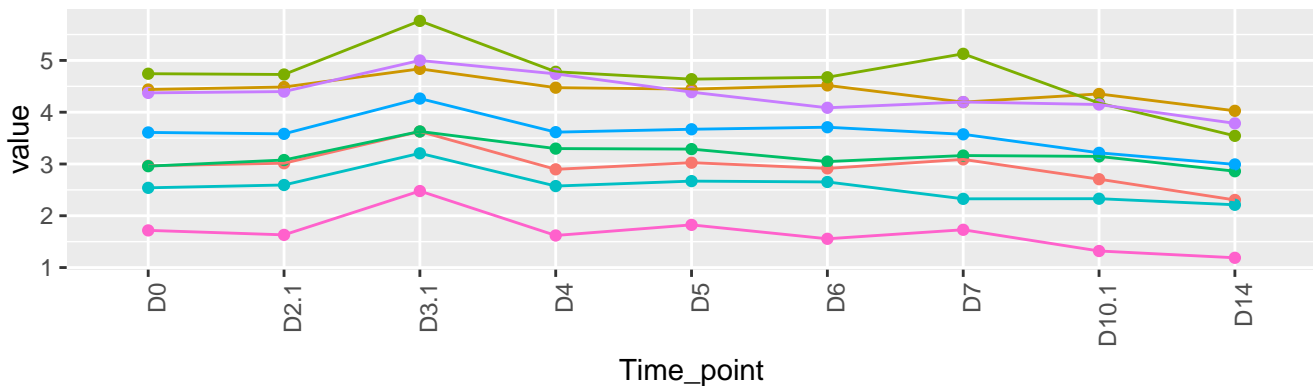
6 genes – KO-cluster-21-original



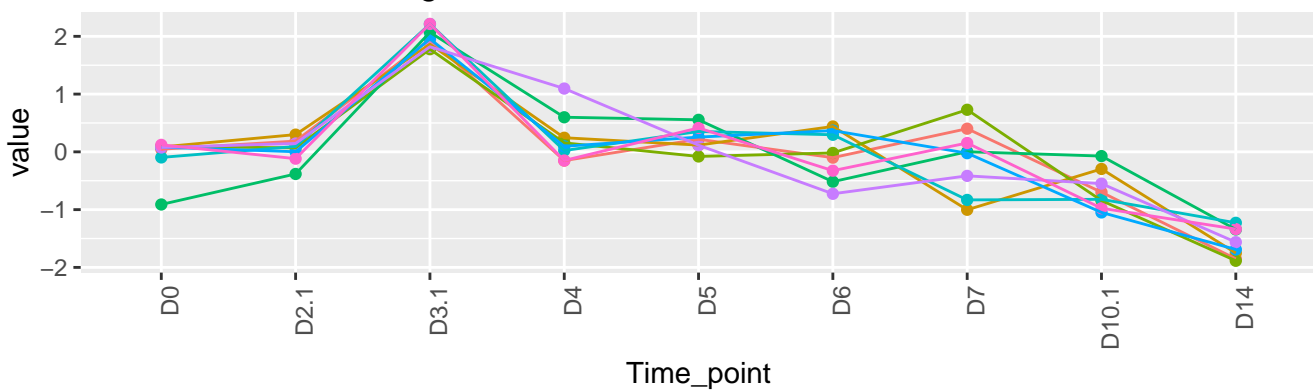
6 genes – KO-cluster-21-standardized



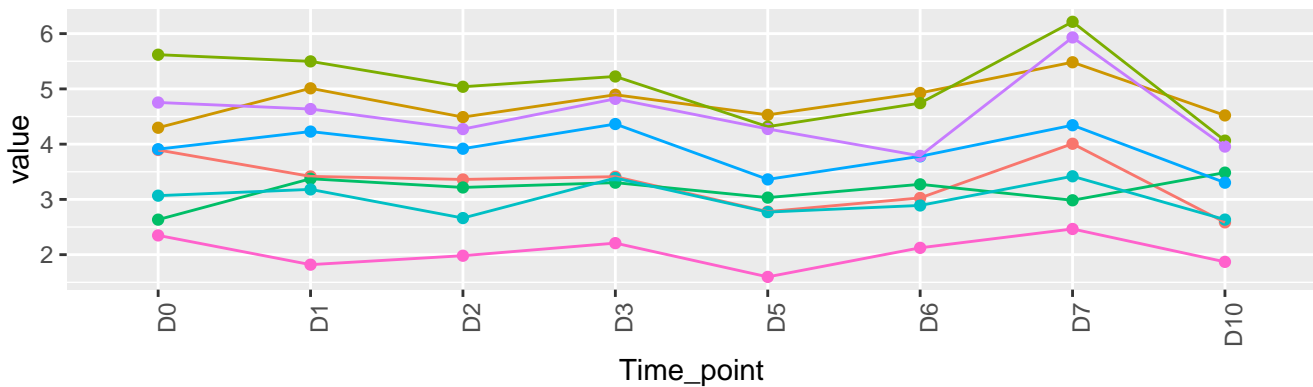
8 genes – WT-cluster-20-original



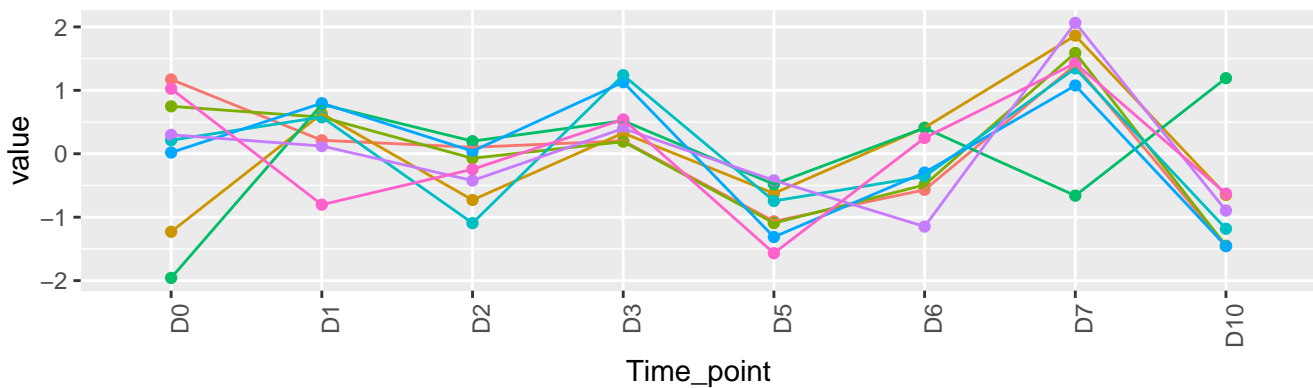
8 genes – WT-cluster-20-standardized



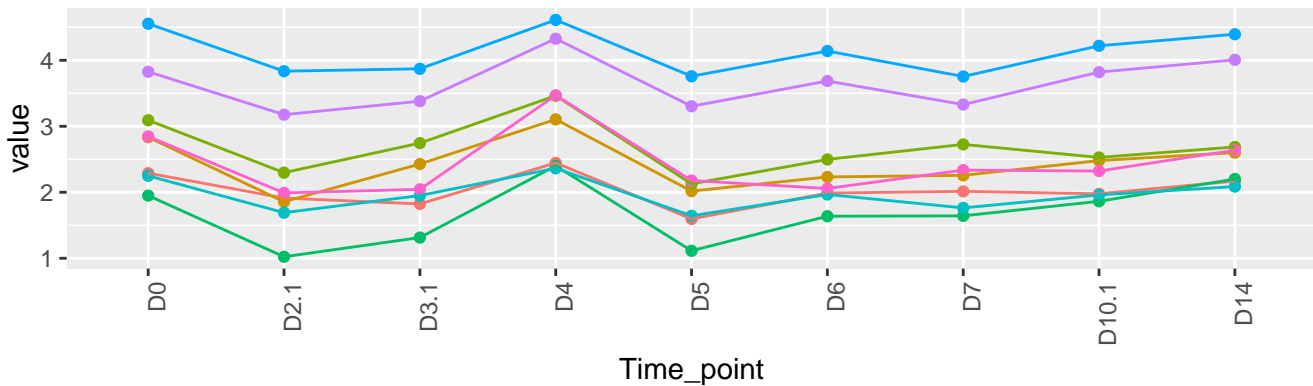
8 genes – KO-cluster-20-original



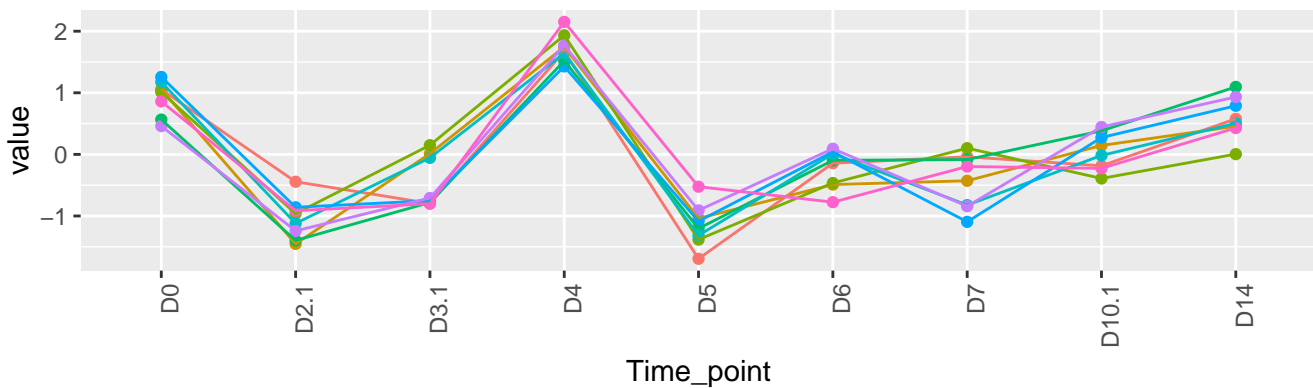
8 genes – KO-cluster-20-standardized



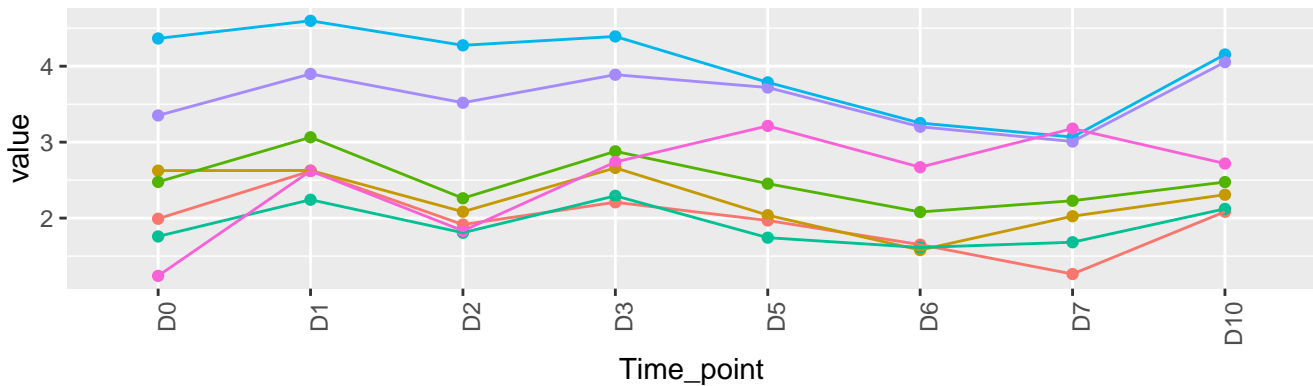
8 genes – WT-cluster-19-original



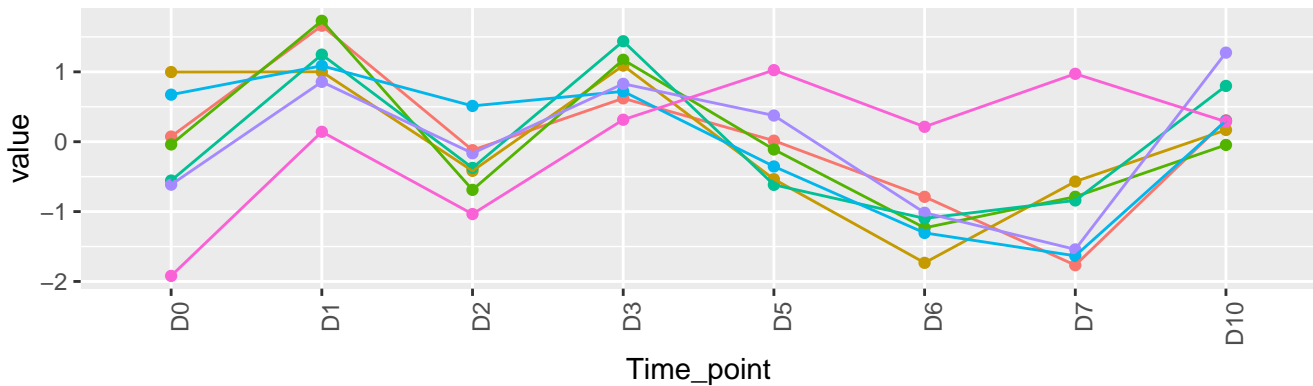
8 genes – WT-cluster-19-standardized



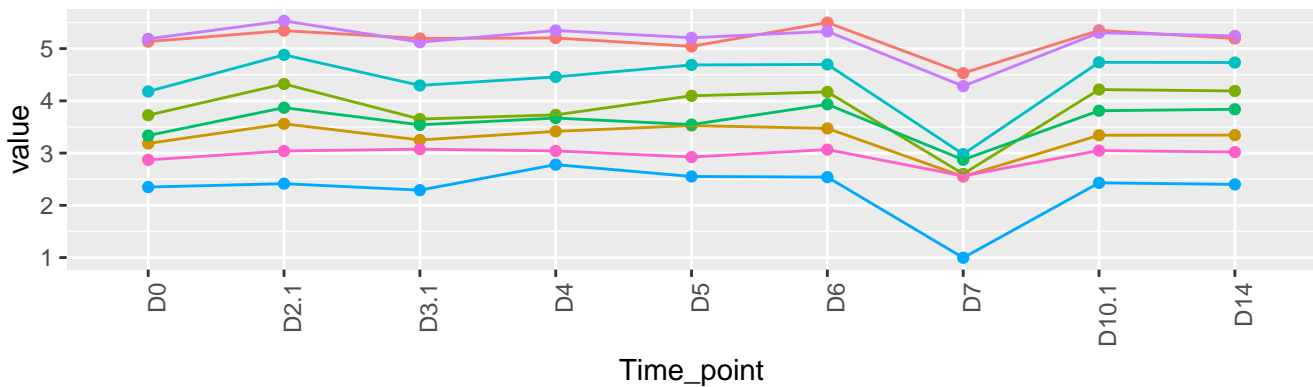
7 genes – KO-cluster-19-original



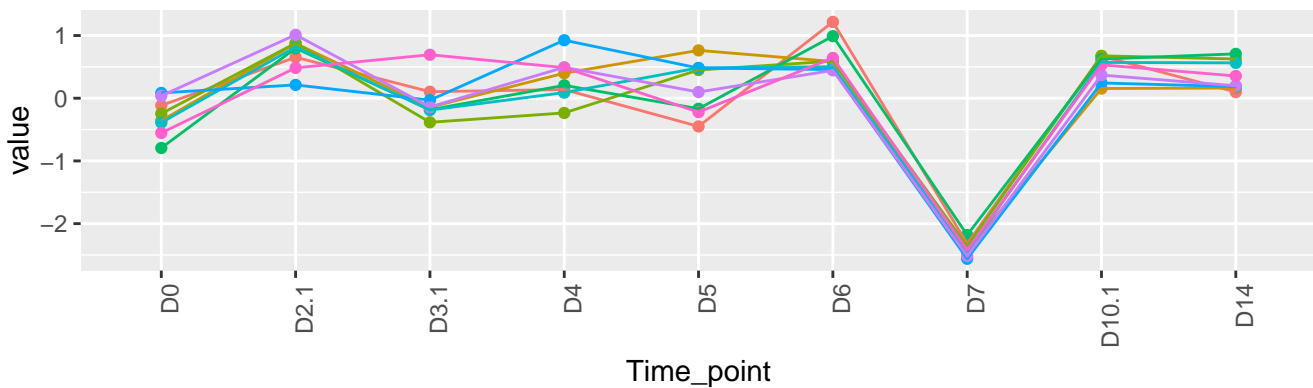
7 genes – KO-cluster-19-standardized



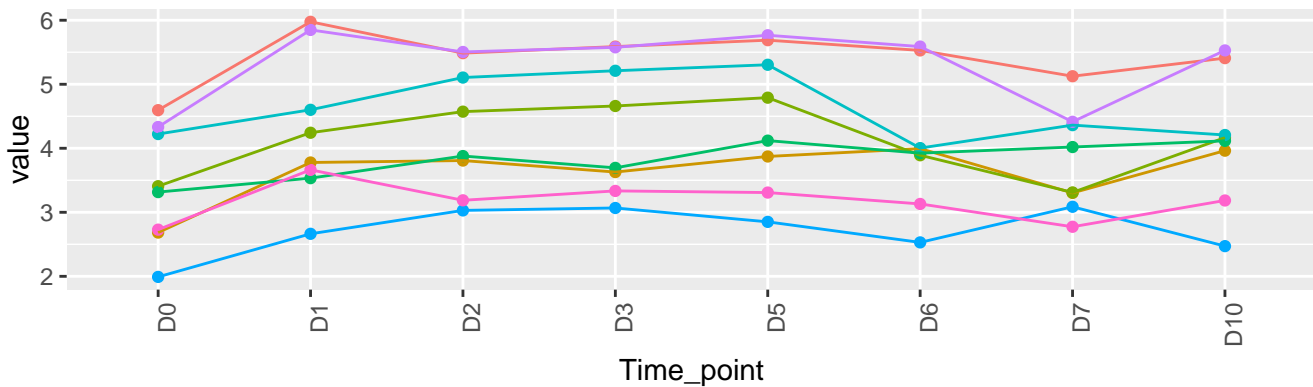
8 genes – WT-cluster-18-original



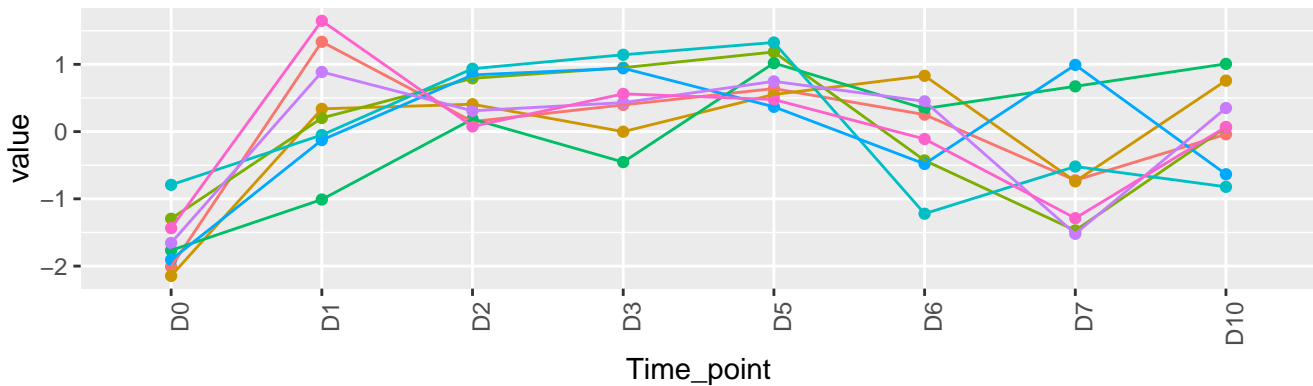
8 genes – WT-cluster-18-standardized



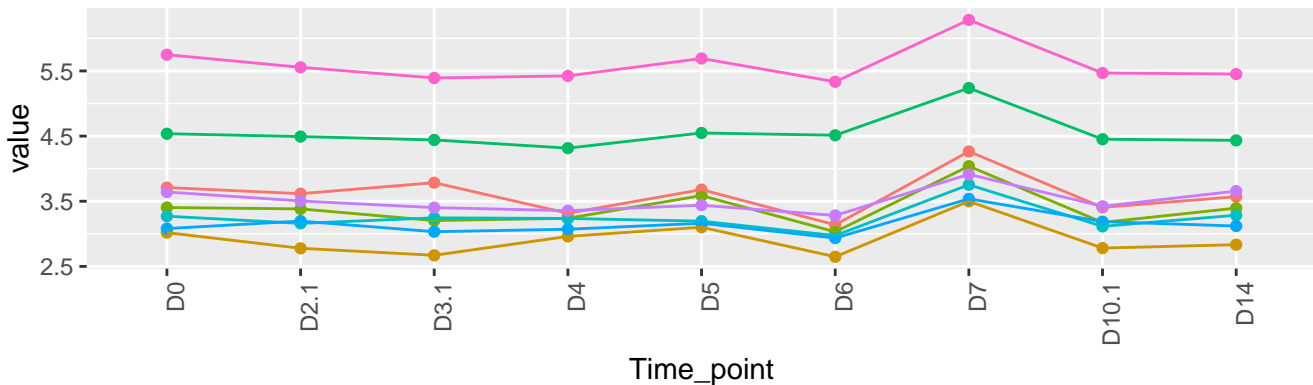
8 genes – KO-cluster-18-original



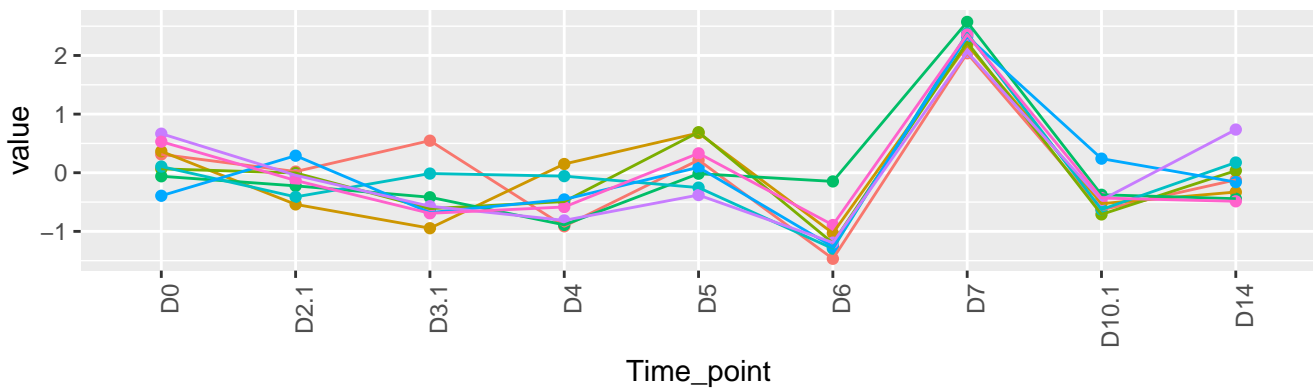
8 genes – KO-cluster-18-standardized



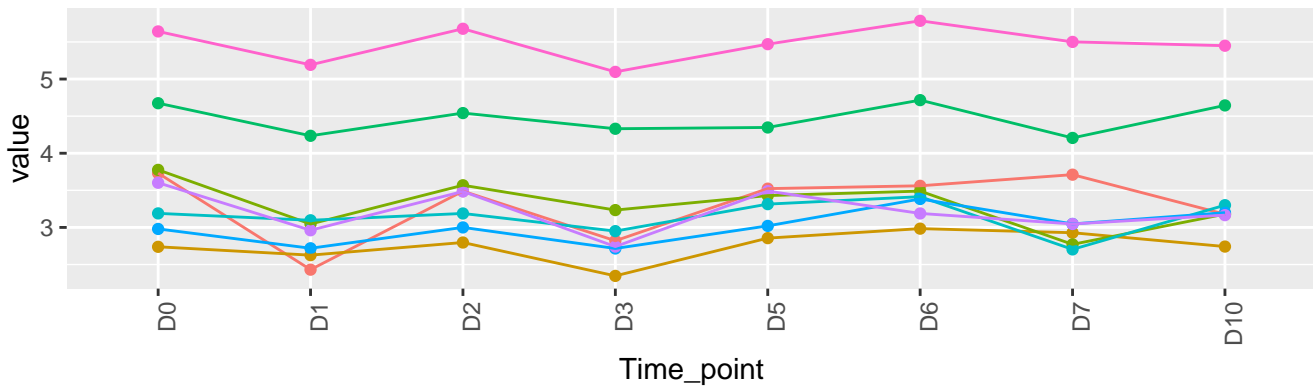
8 genes – WT-cluster-17-original



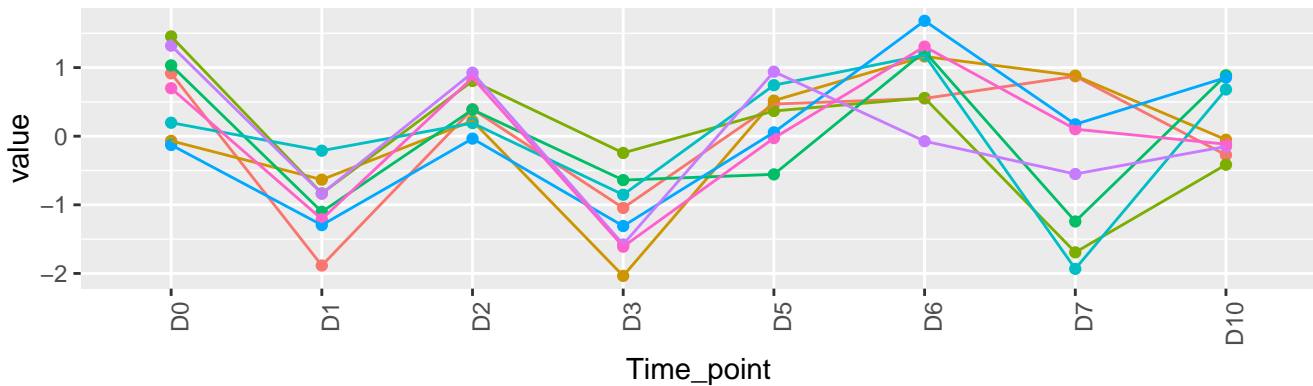
8 genes – WT-cluster-17-standardized



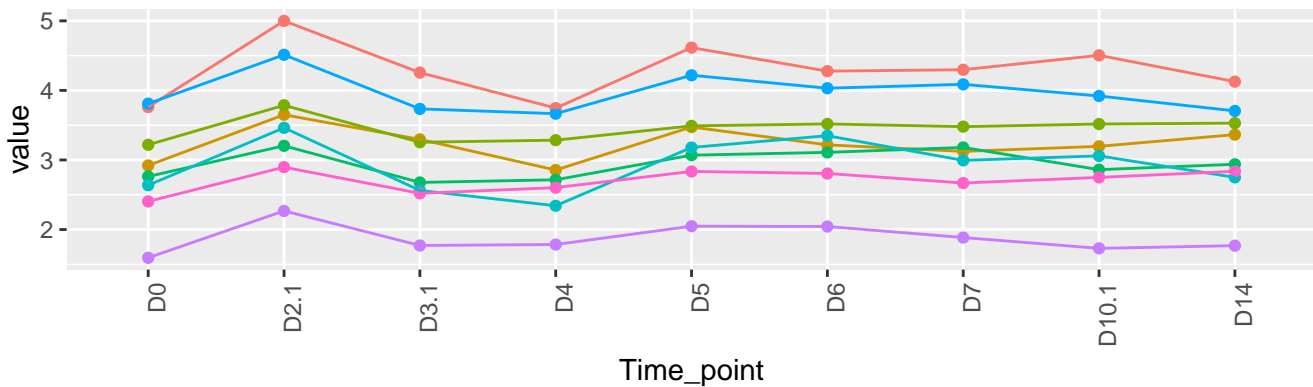
8 genes – KO-cluster-17-original



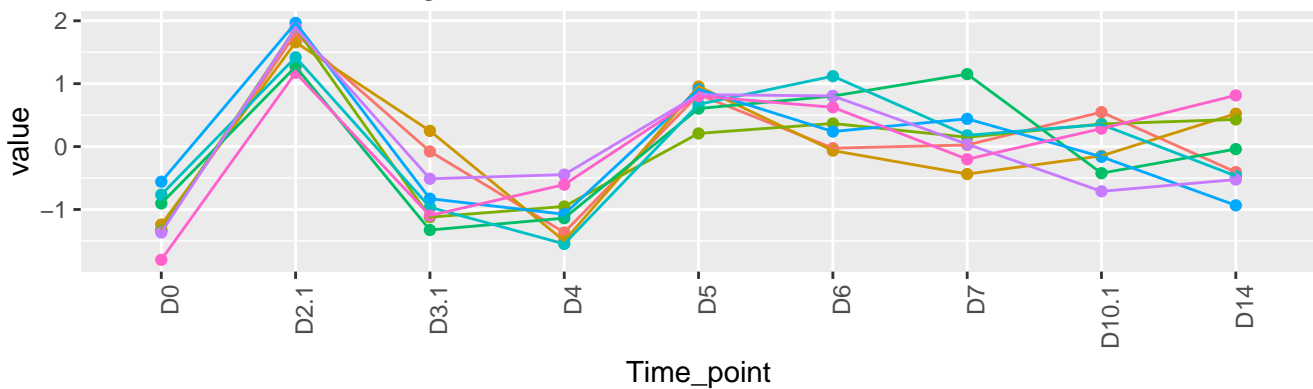
8 genes – KO-cluster-17-standardized



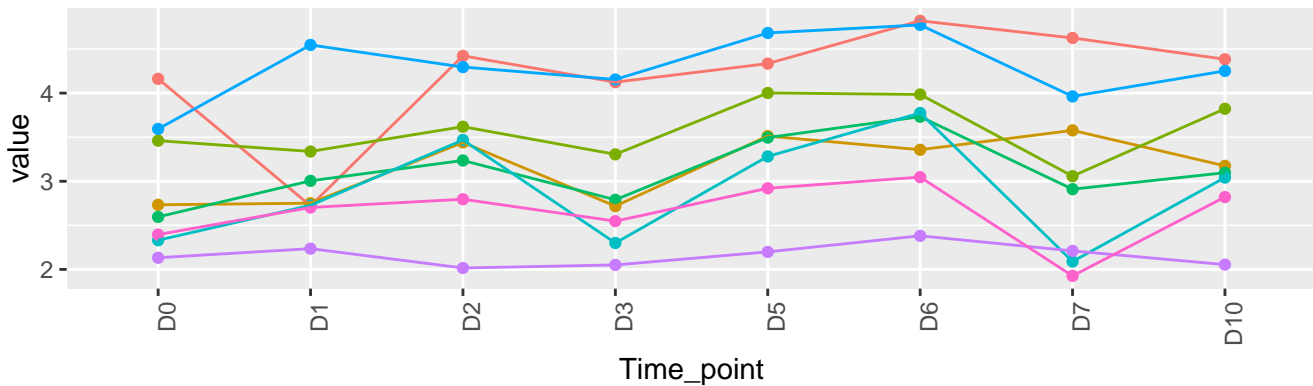
8 genes – WT-cluster-16-original



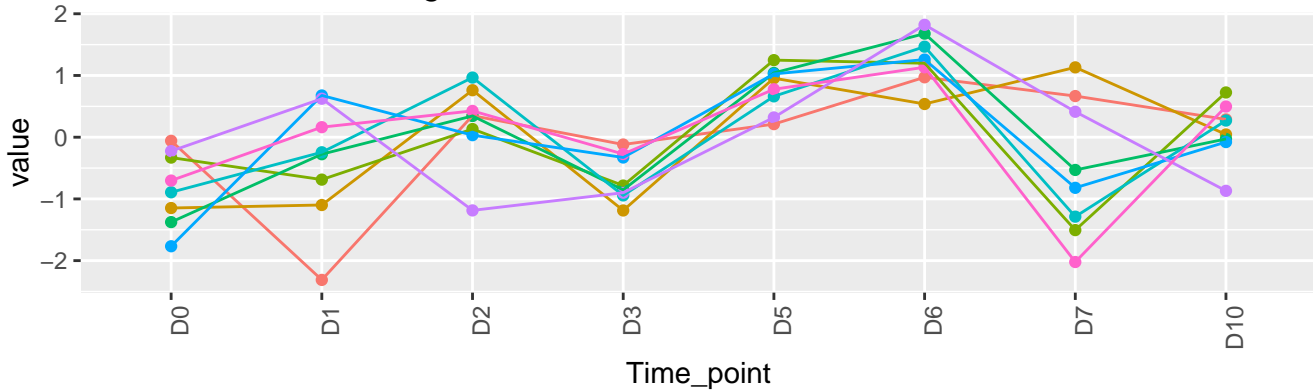
8 genes – WT-cluster-16-standardized



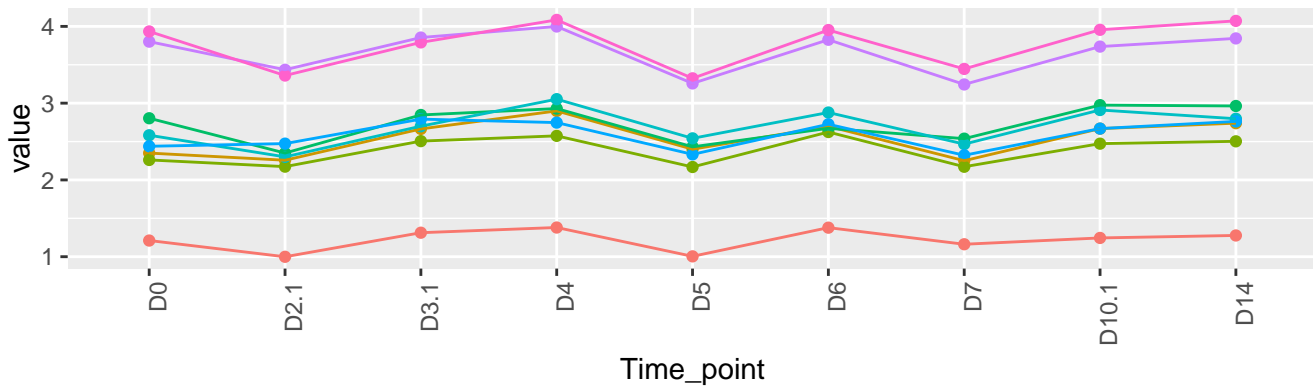
8 genes – KO-cluster-16-original



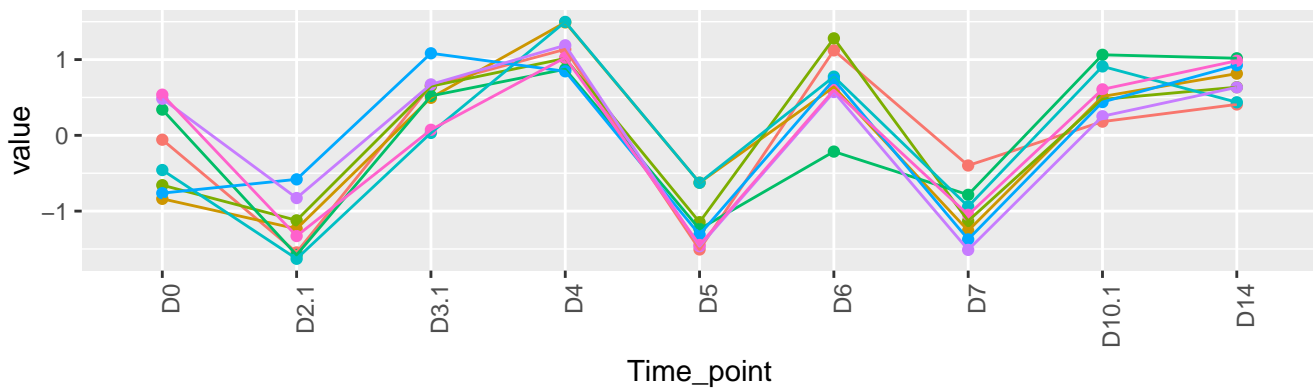
8 genes – KO-cluster-16-standardized



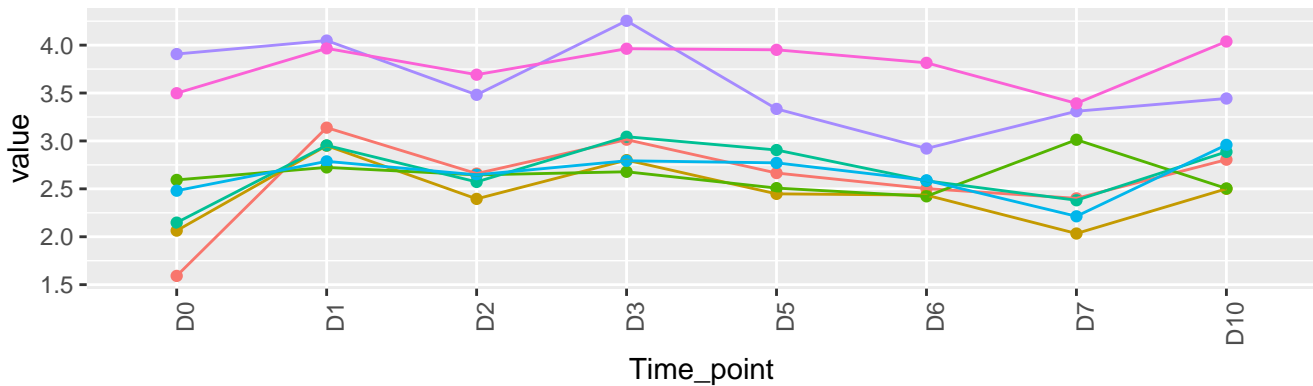
8 genes – WT-cluster-15-original



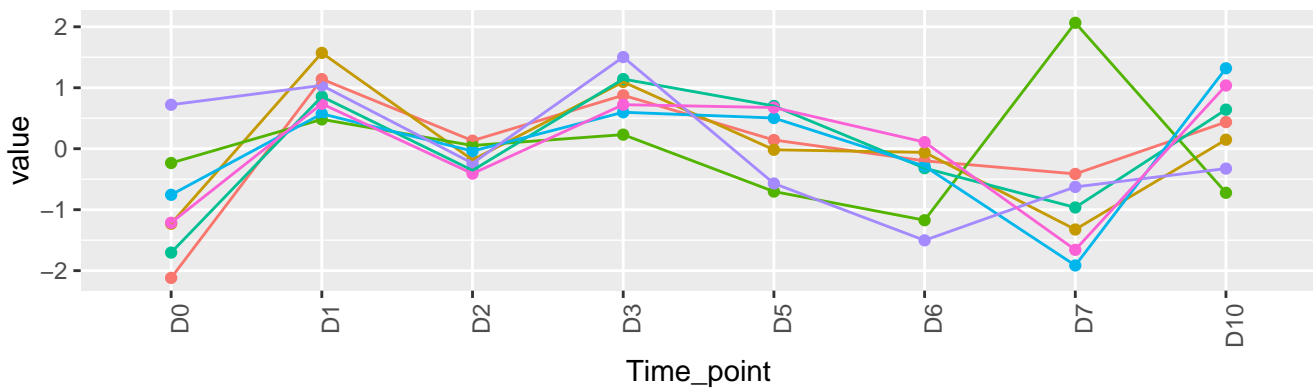
8 genes – WT-cluster-15-standardized



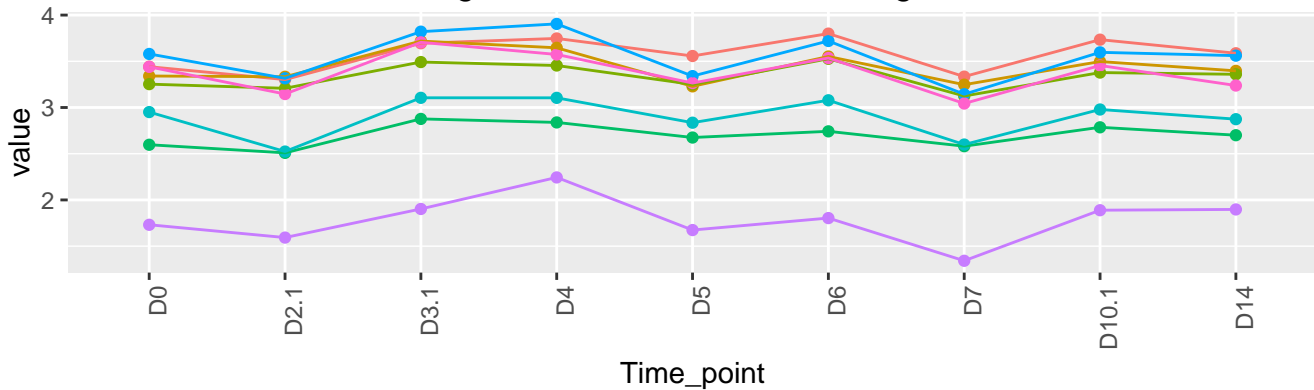
7 genes – KO-cluster-15-original



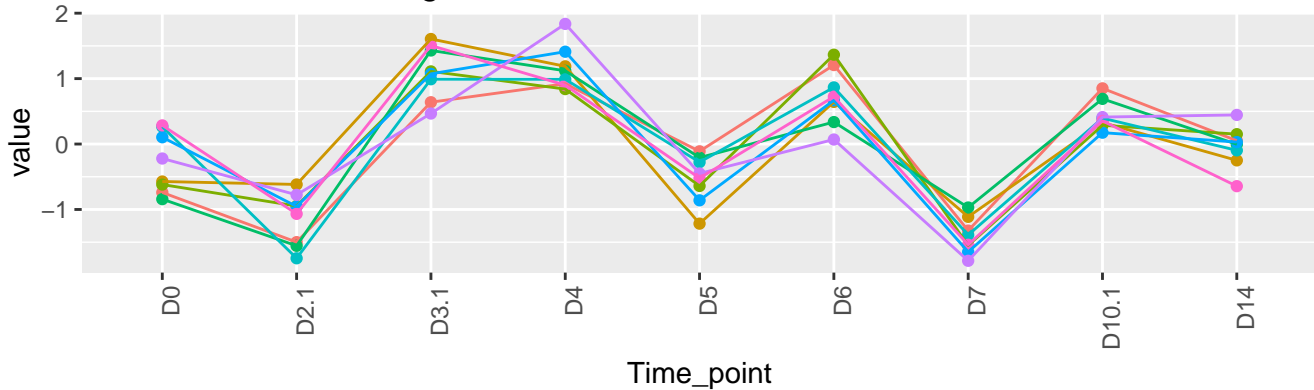
7 genes – KO-cluster-15-standardized



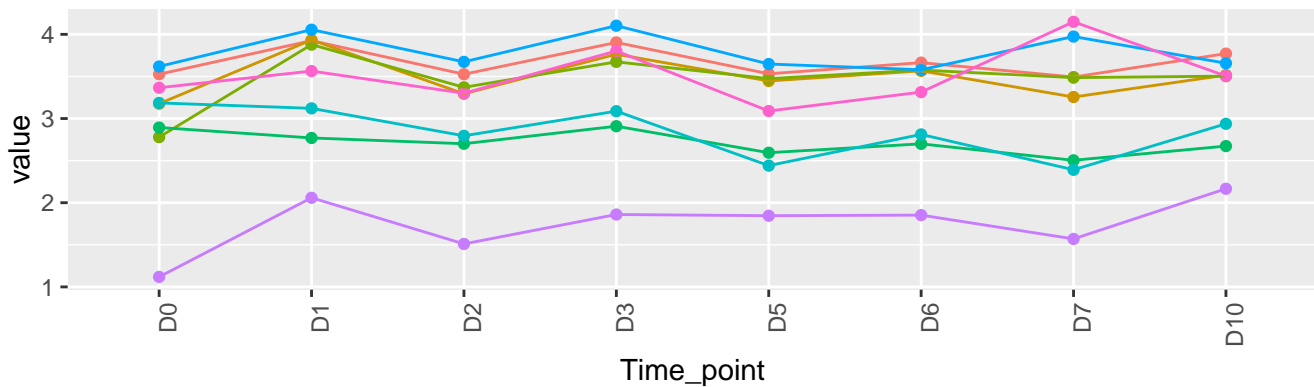
8 genes – WT-cluster-14-original



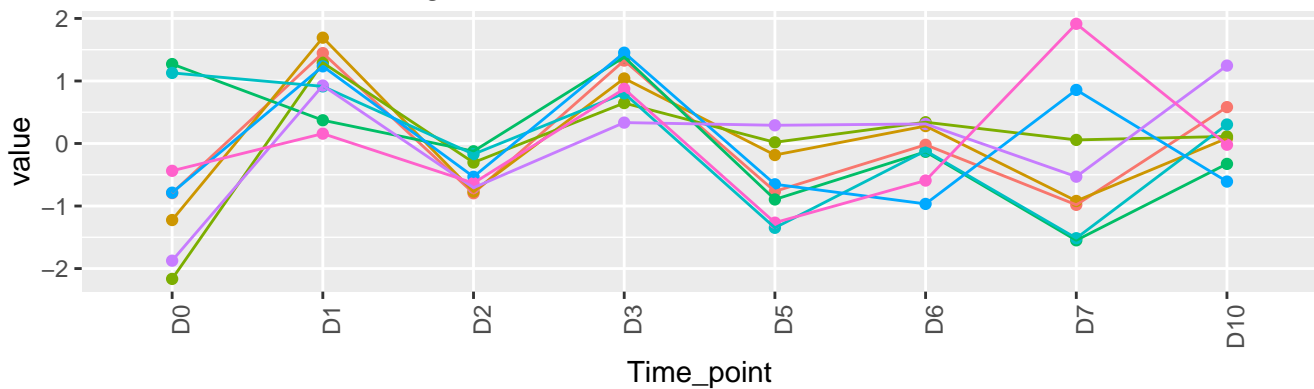
8 genes – WT-cluster-14-standardized



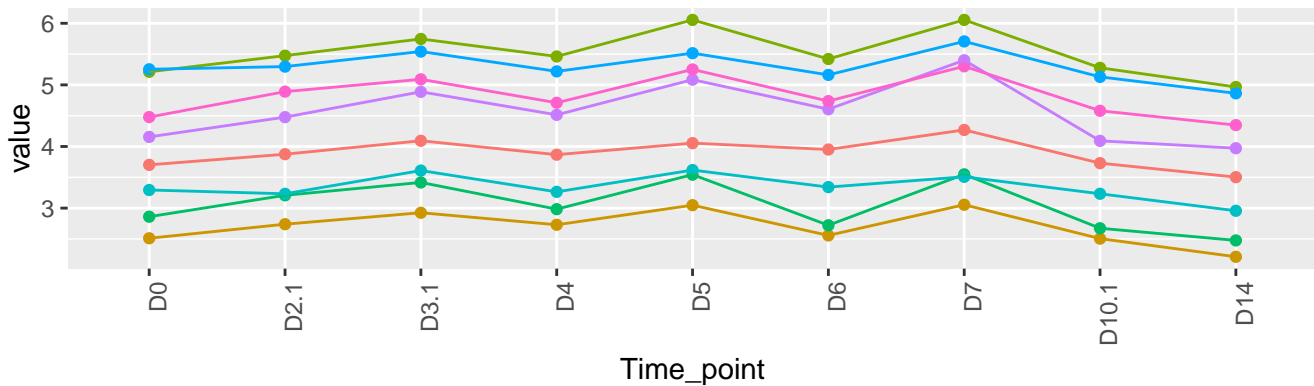
8 genes – KO-cluster-14-original



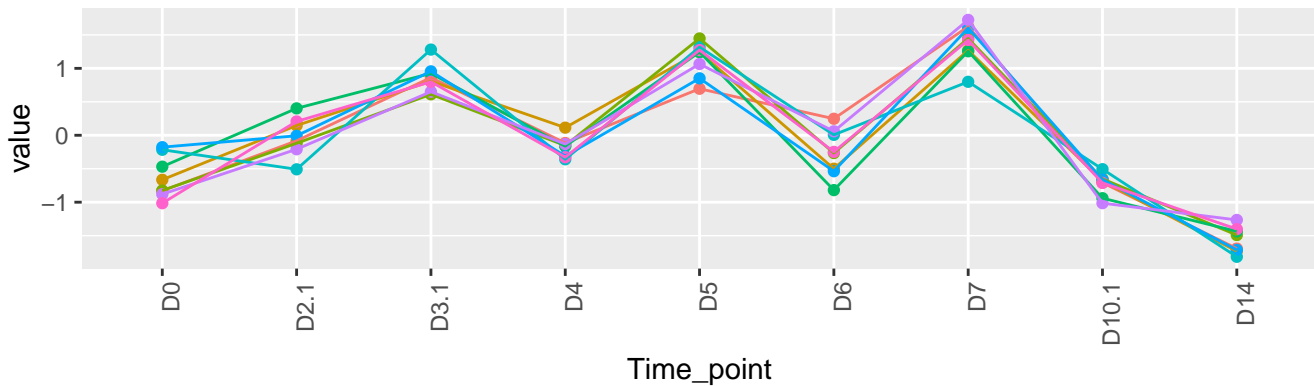
8 genes – KO-cluster-14-standardized



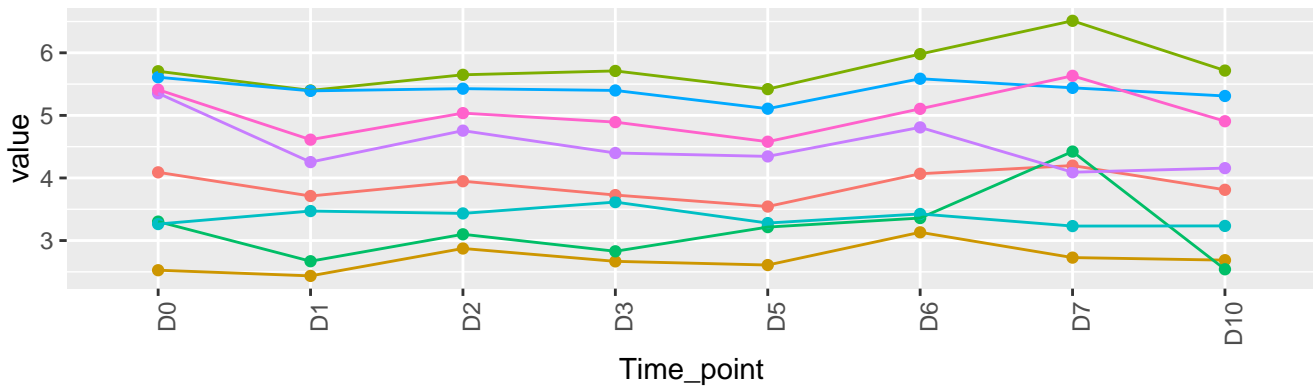
8 genes – WT-cluster-13-original



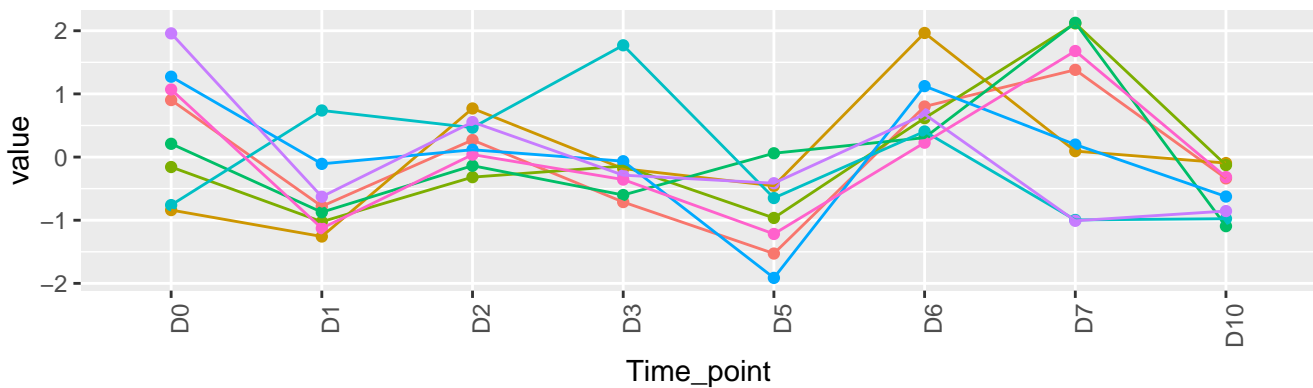
8 genes – WT-cluster-13-standardized



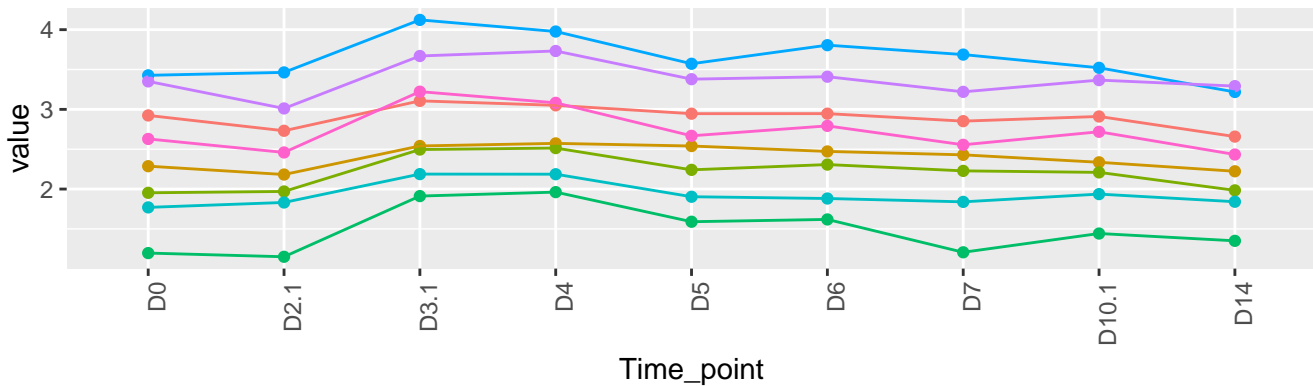
8 genes – KO-cluster-13-original



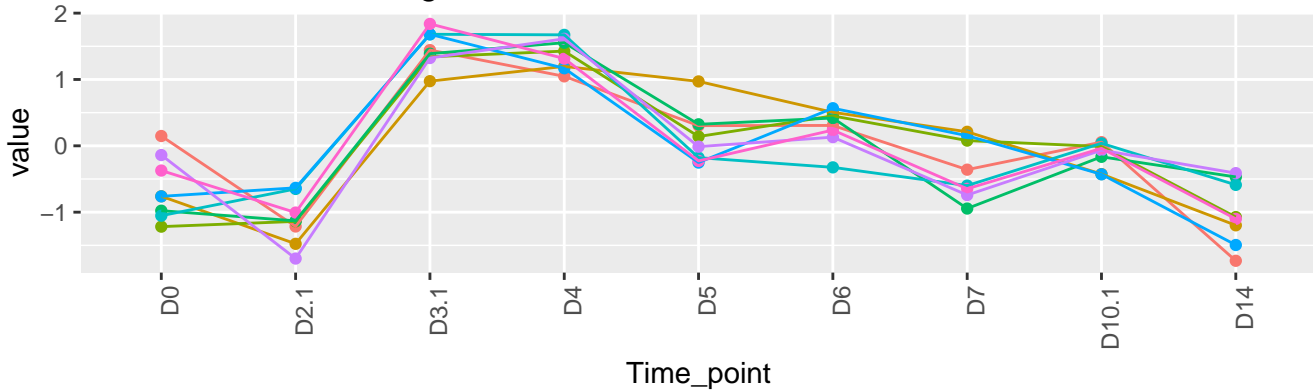
8 genes – KO-cluster-13-standardized



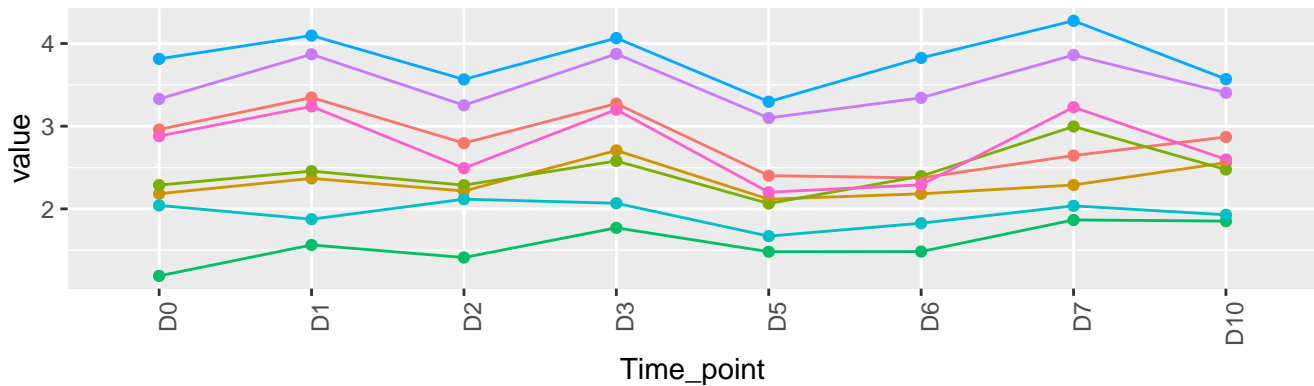
8 genes – WT-cluster-12-original



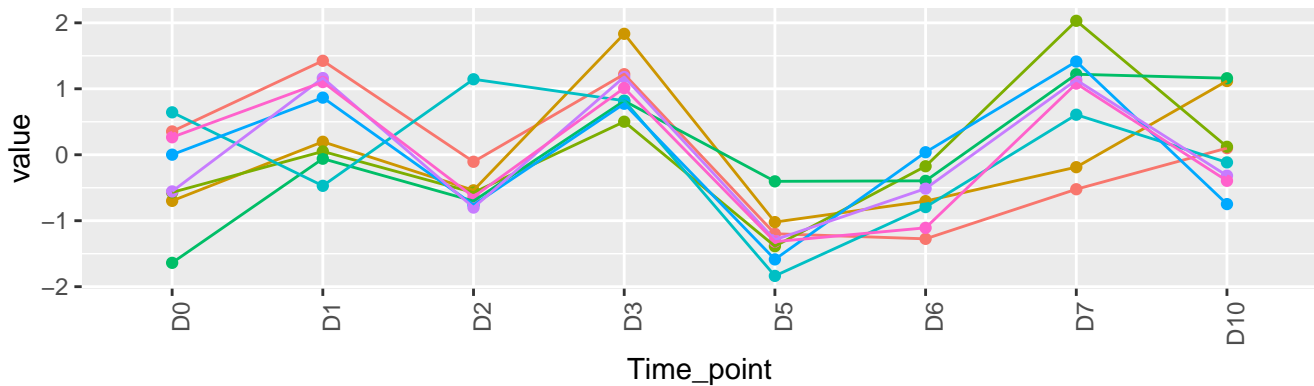
8 genes – WT-cluster-12-standardized



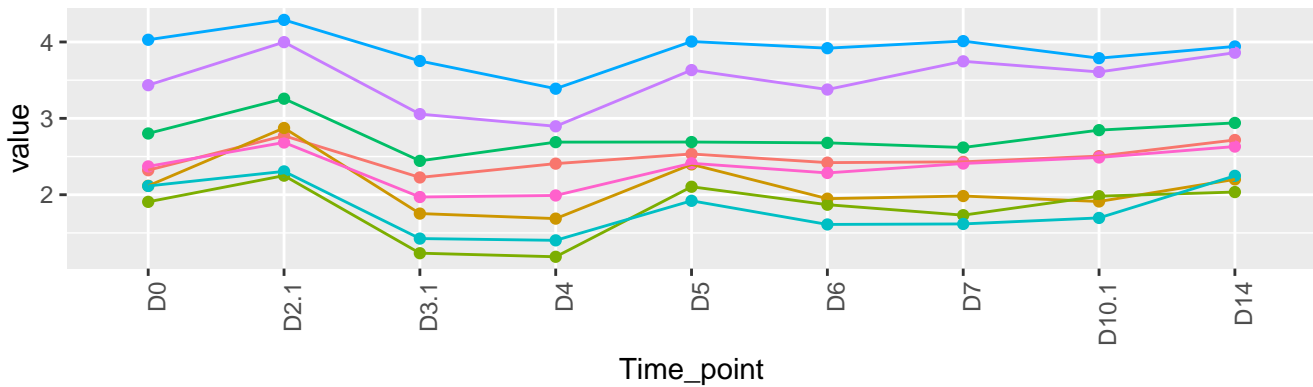
8 genes – KO-cluster-12-original



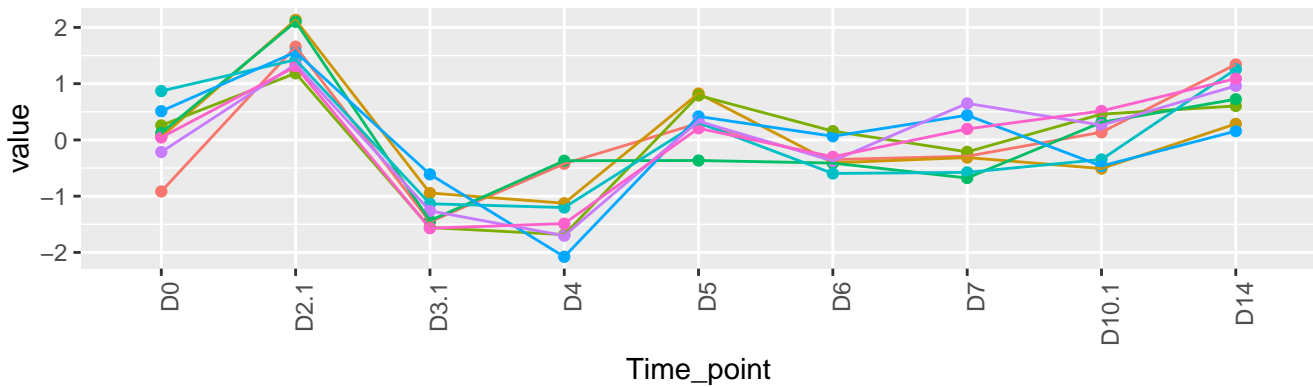
8 genes – KO-cluster-12-standardized



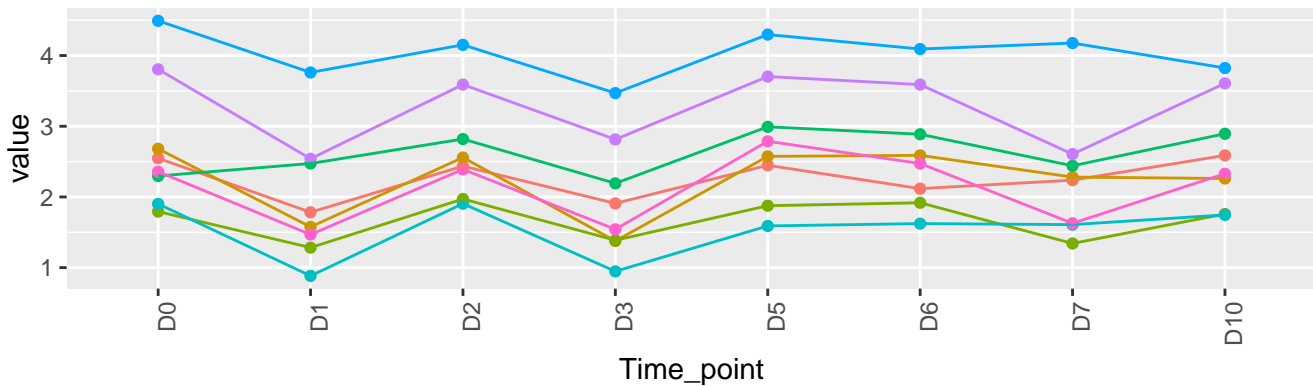
8 genes – WT-cluster-11-original



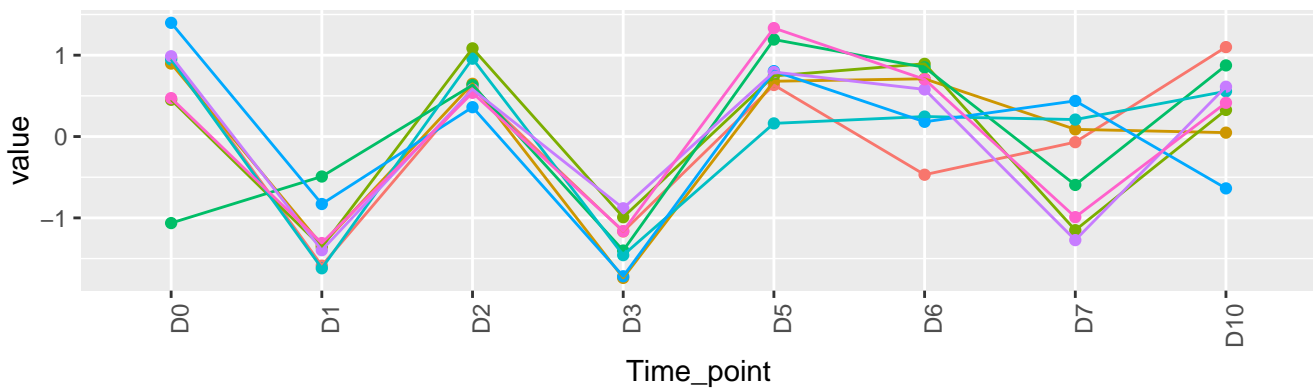
8 genes – WT-cluster-11-standardized



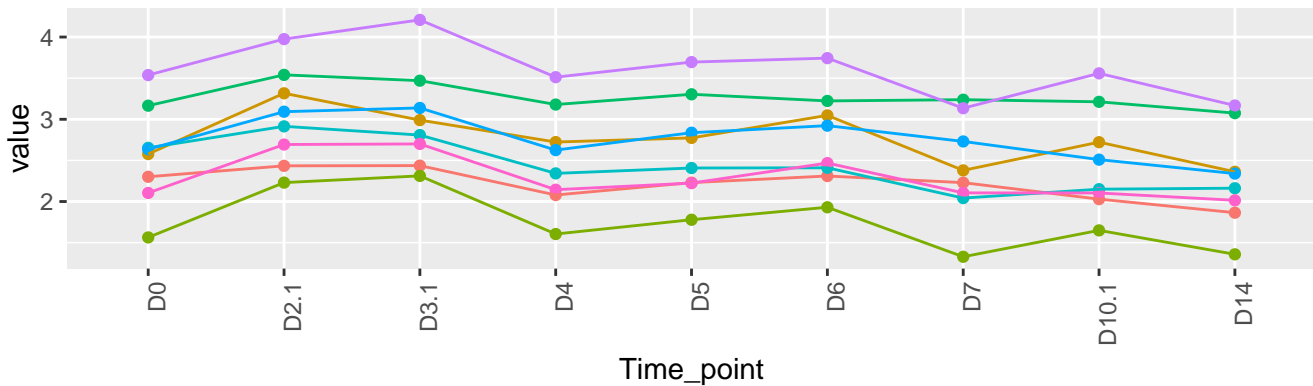
8 genes – KO-cluster-11-original



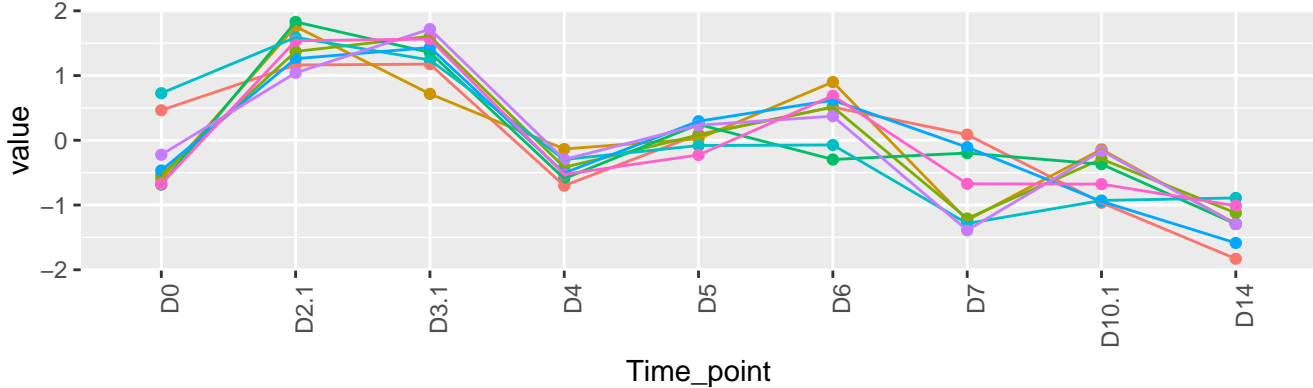
8 genes – KO-cluster-11-standardized



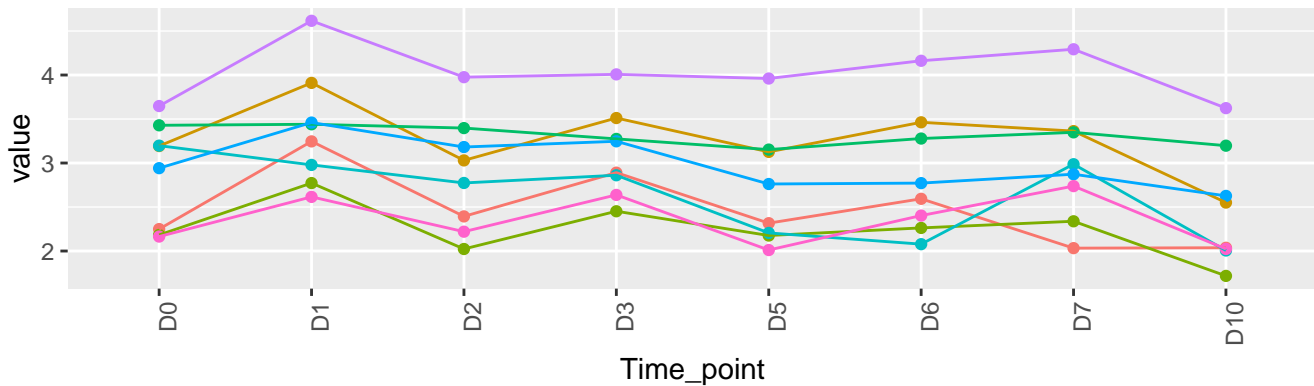
8 genes – WT-cluster-10-original



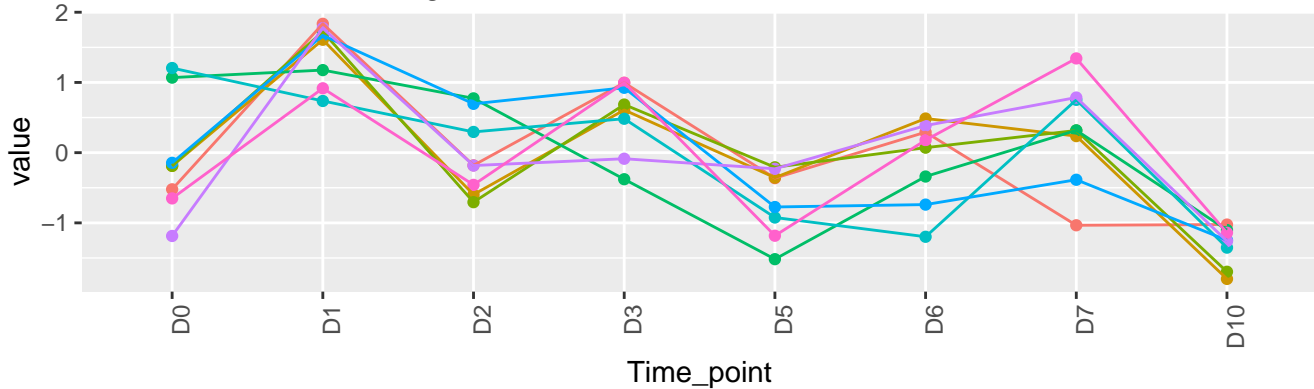
8 genes – WT-cluster-10-standardized



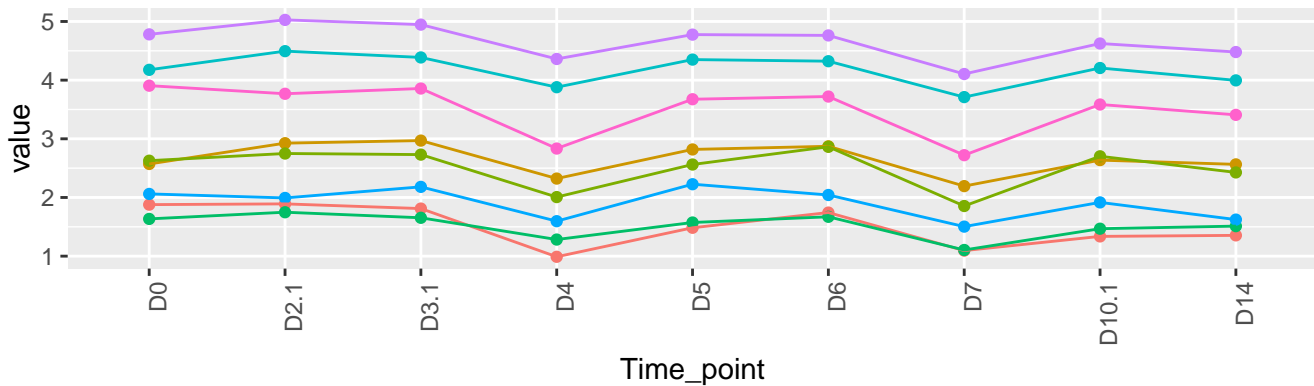
8 genes – KO-cluster-10-original



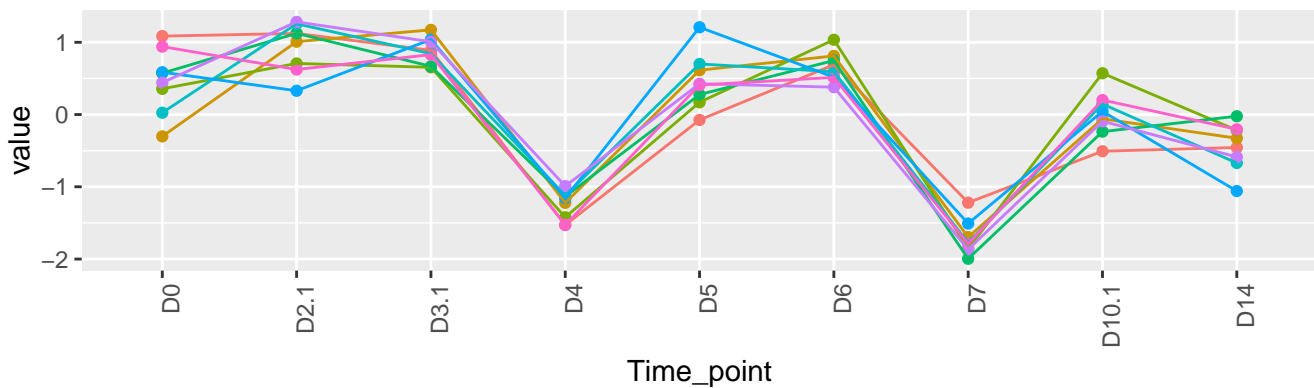
8 genes – KO-cluster-10-standardized



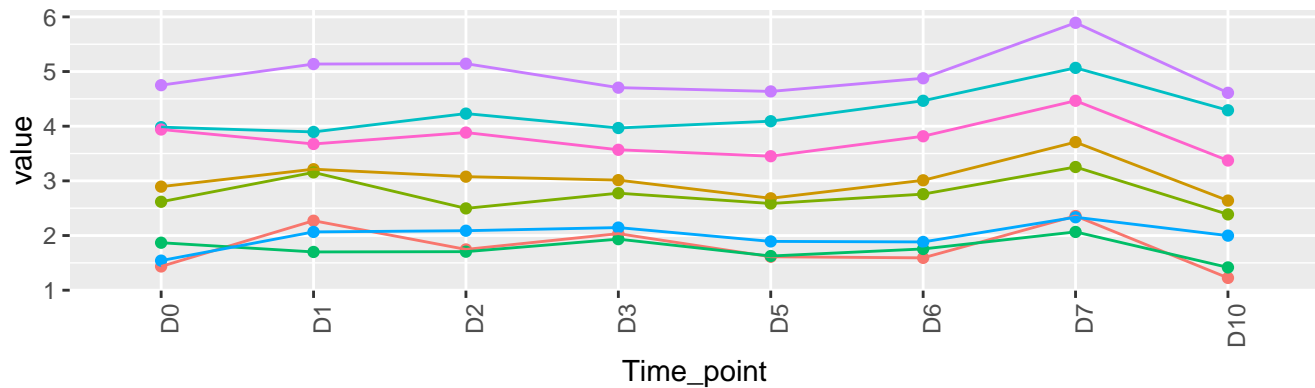
8 genes – WT-cluster-9-original



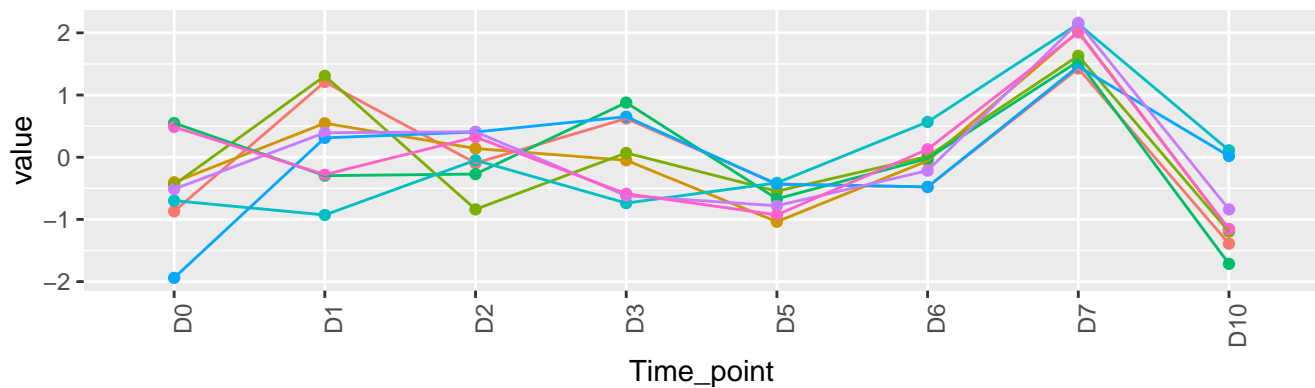
8 genes – WT-cluster-9-standardized



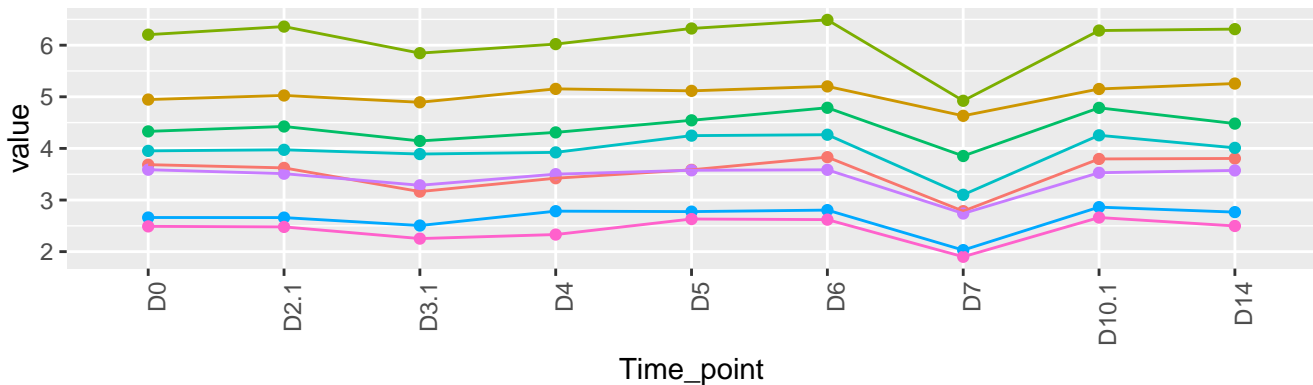
8 genes – KO-cluster-9-original



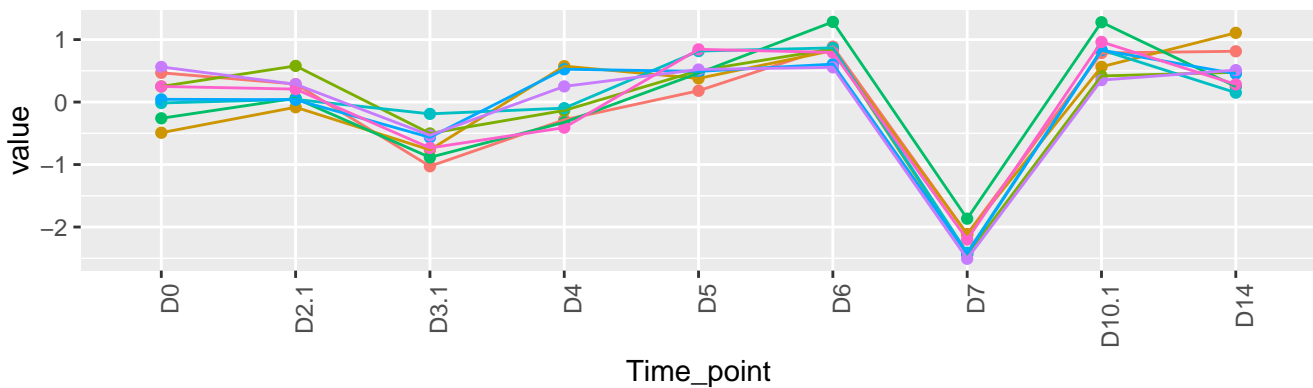
8 genes – KO-cluster-9-standardized



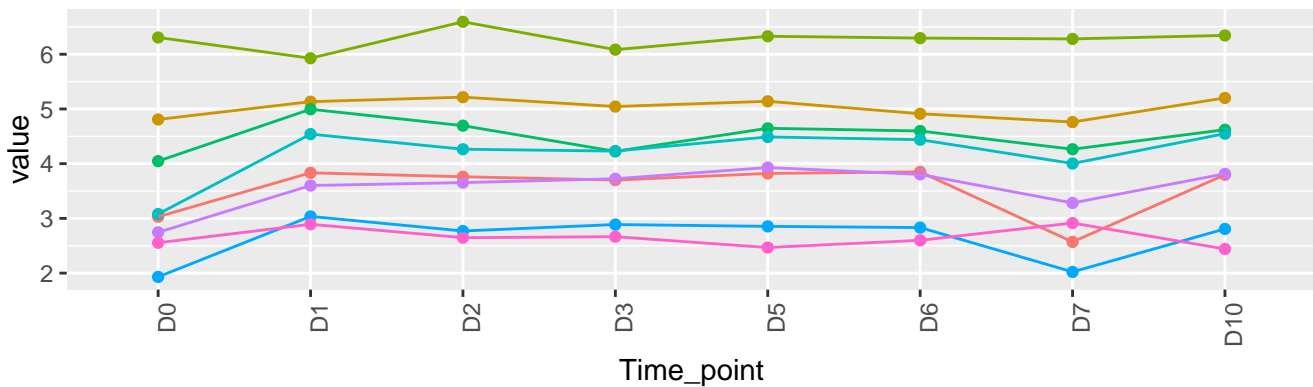
8 genes – WT-cluster-8-original



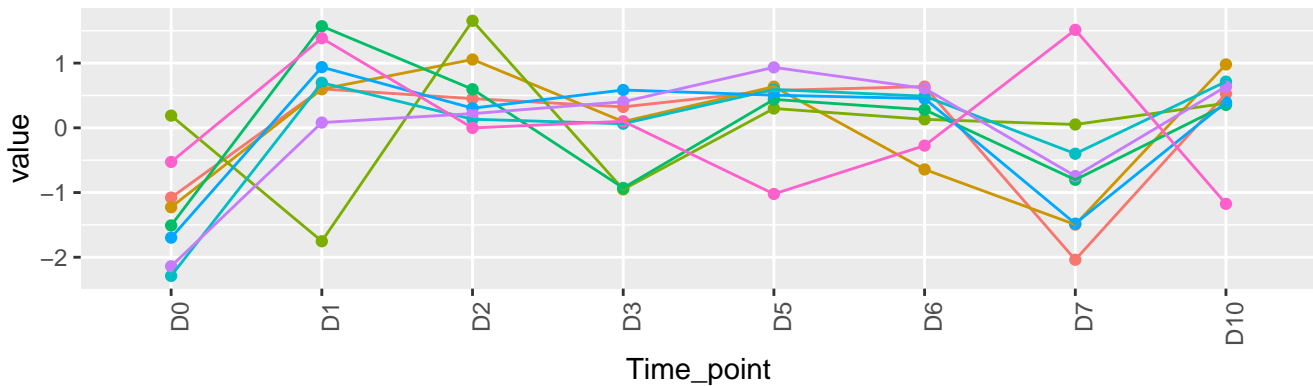
8 genes – WT-cluster-8-standardized



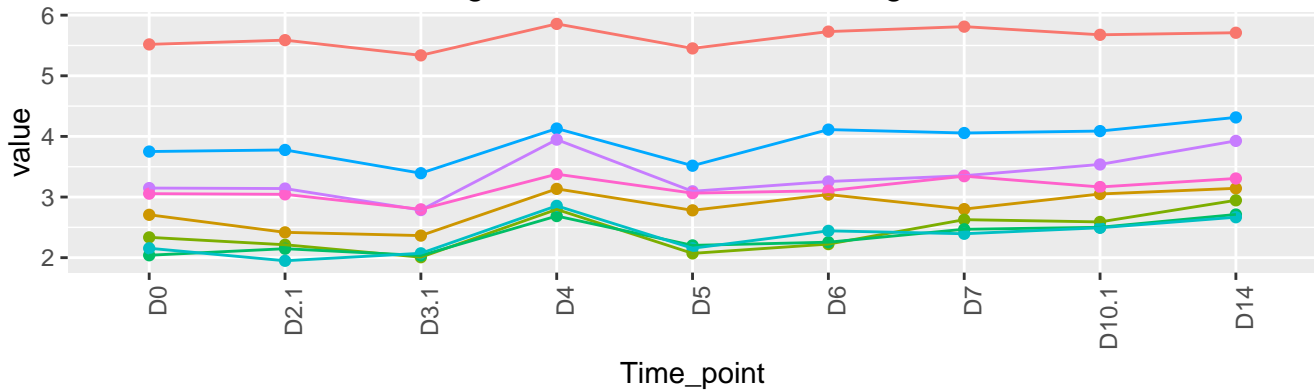
8 genes – KO-cluster-8-original



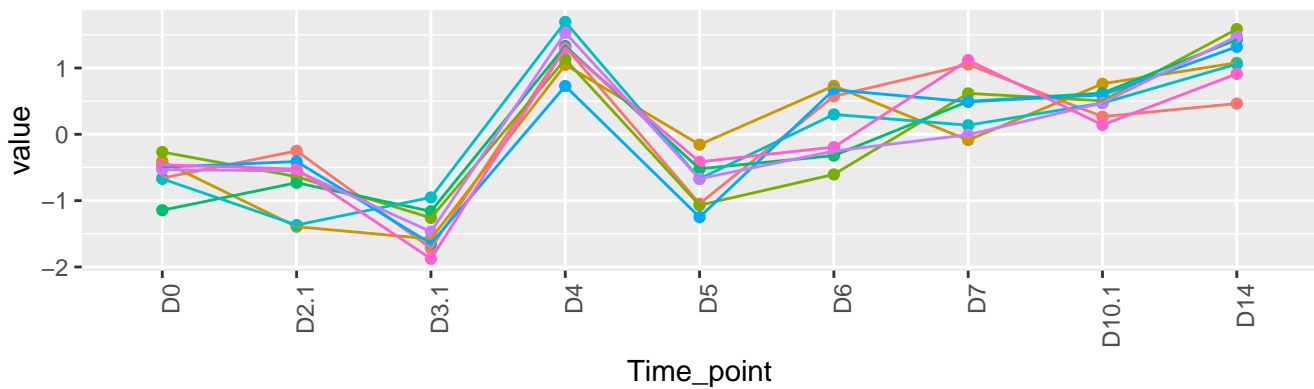
8 genes – KO-cluster-8-standardized



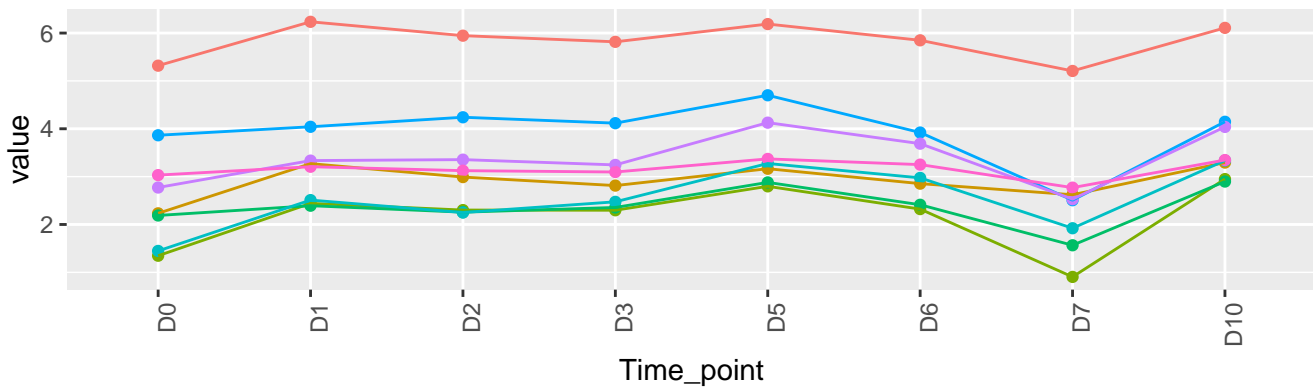
8 genes – WT-cluster-7-original



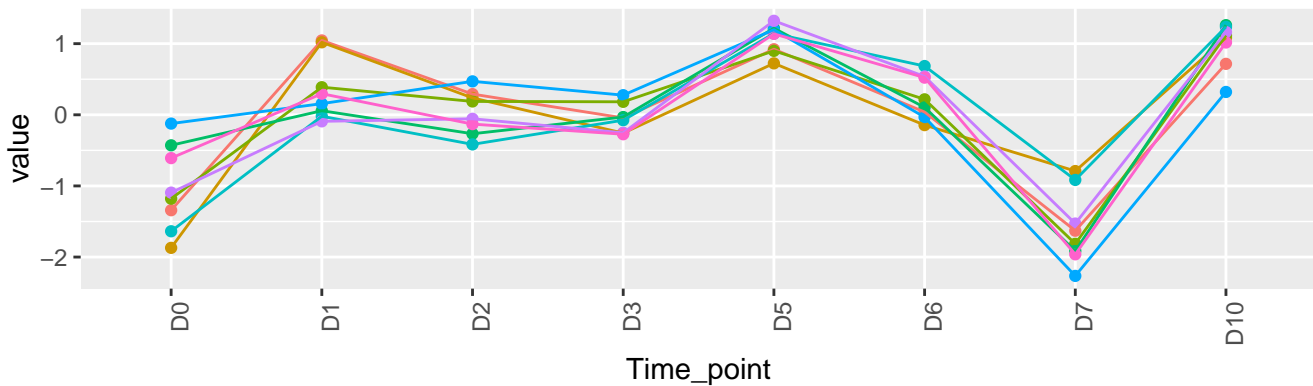
8 genes – WT-cluster-7-standardized



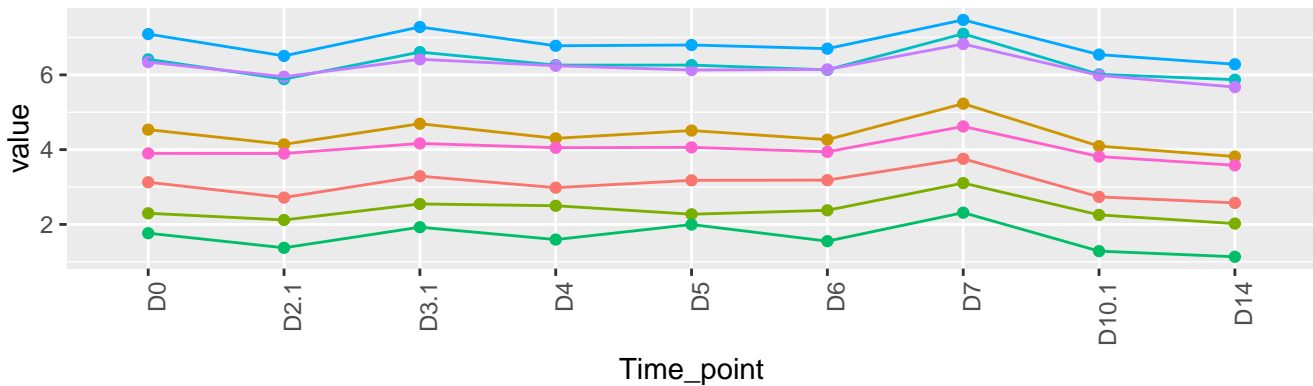
8 genes – KO-cluster-7-original



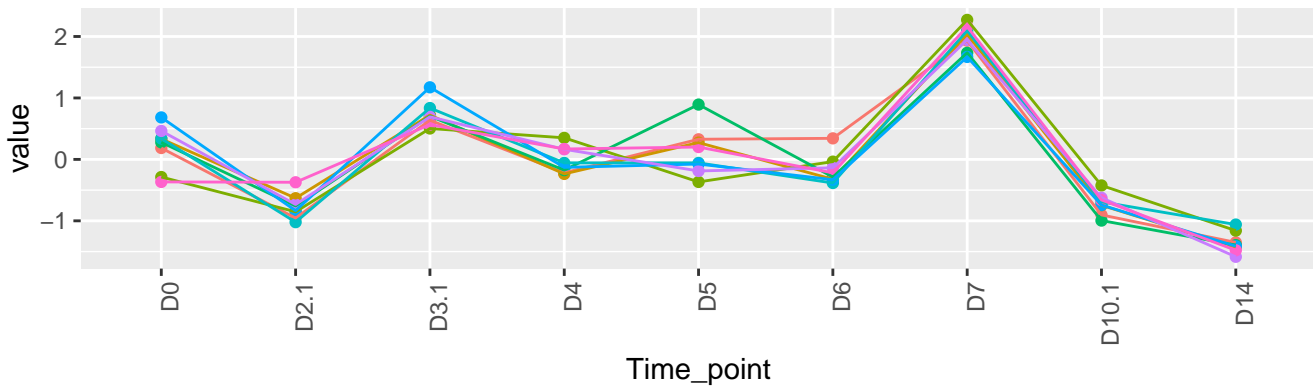
8 genes – KO-cluster-7-standardized



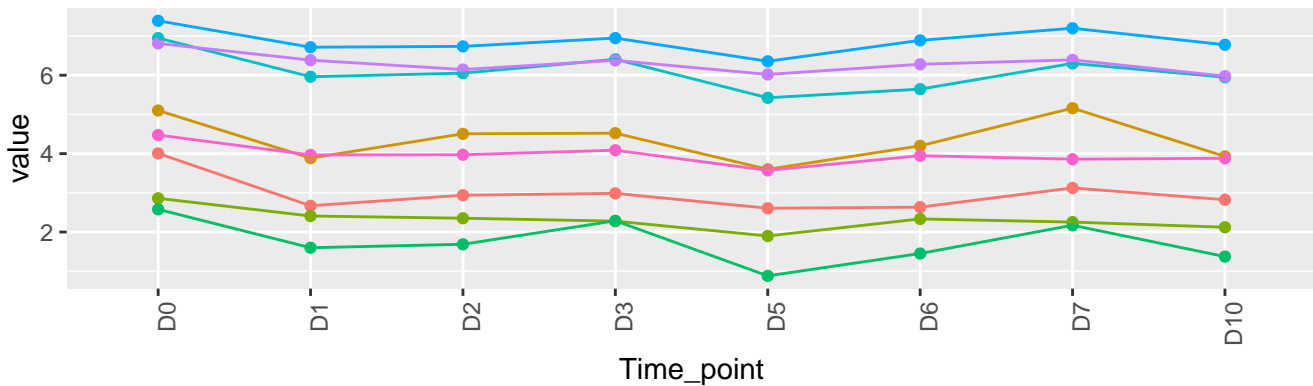
8 genes – WT-cluster-6-original



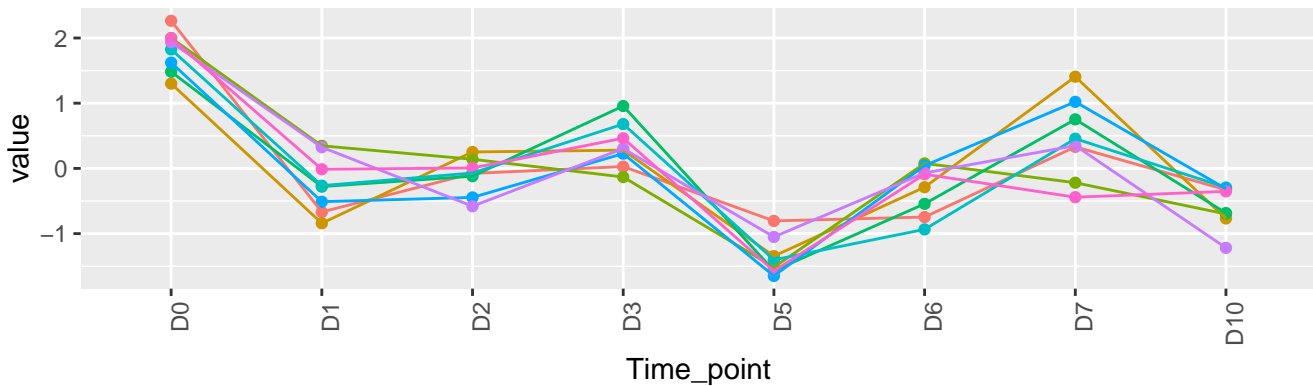
8 genes – WT-cluster-6-standardized



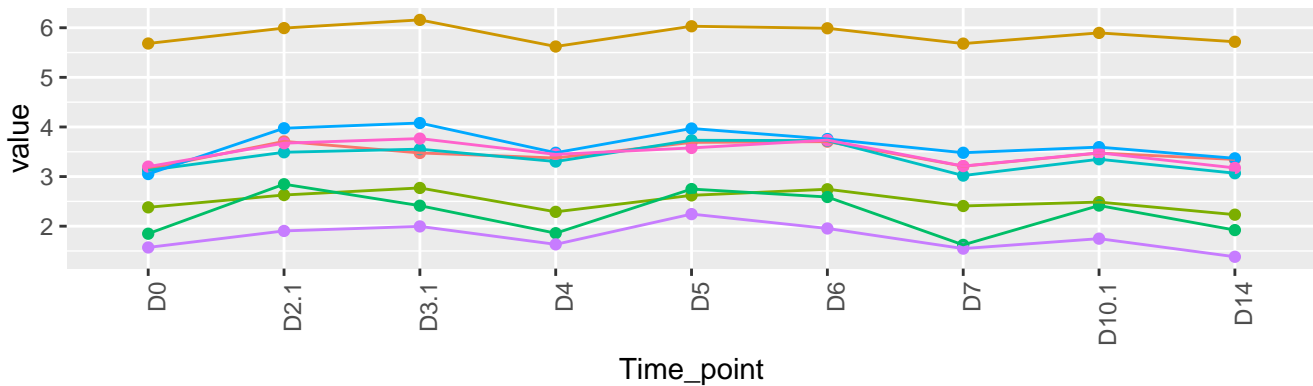
8 genes – KO-cluster-6-original



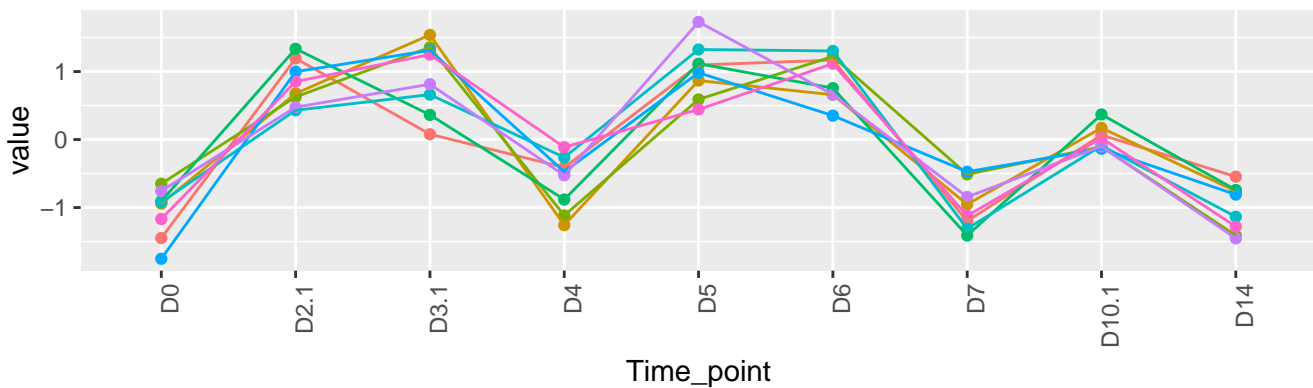
8 genes – KO-cluster-6-standardized



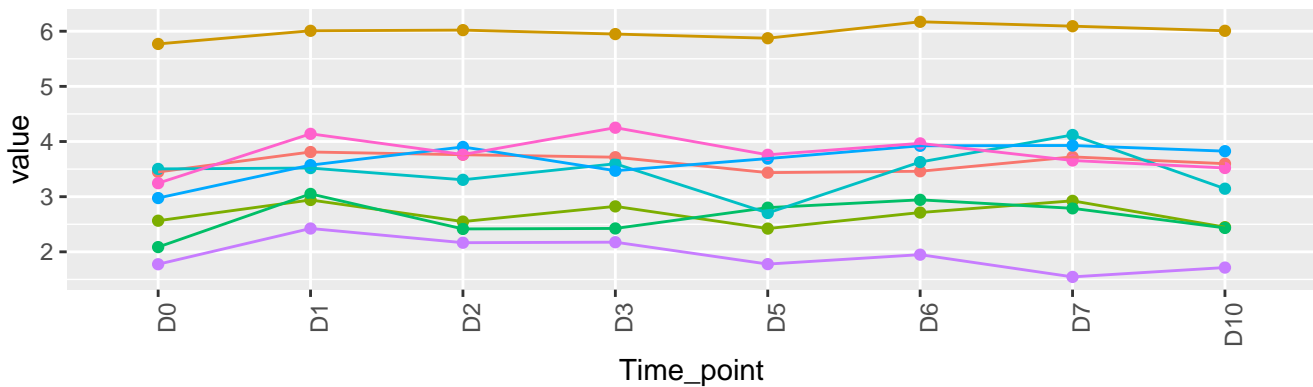
8 genes – WT-cluster-5-original



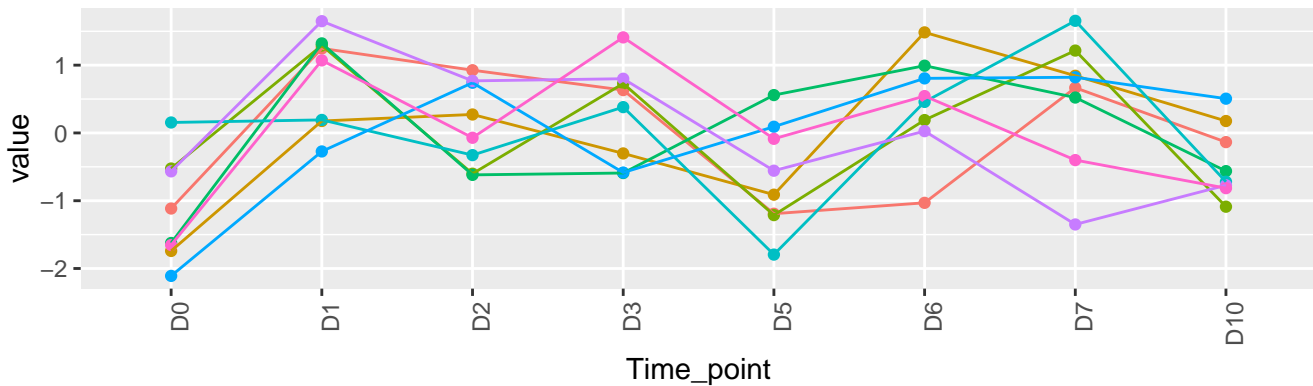
8 genes – WT-cluster-5-standardized



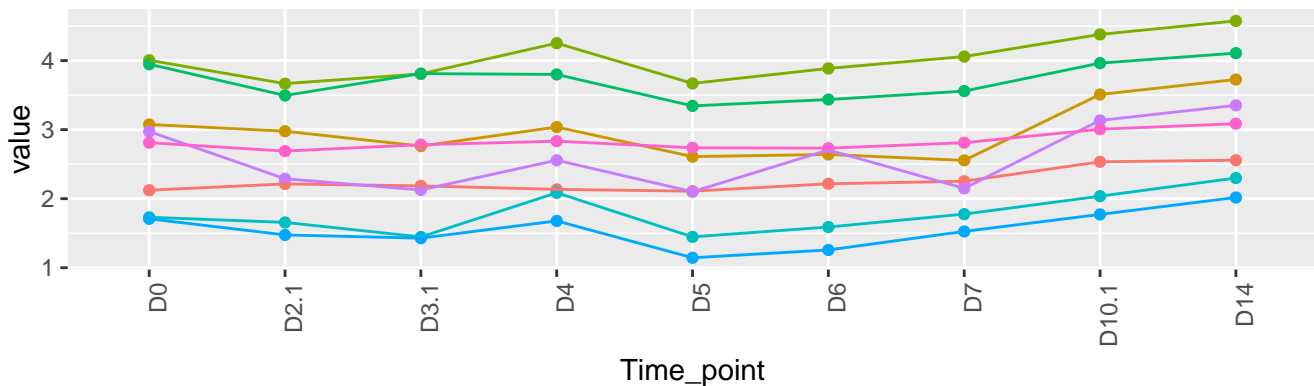
8 genes – KO-cluster-5-original



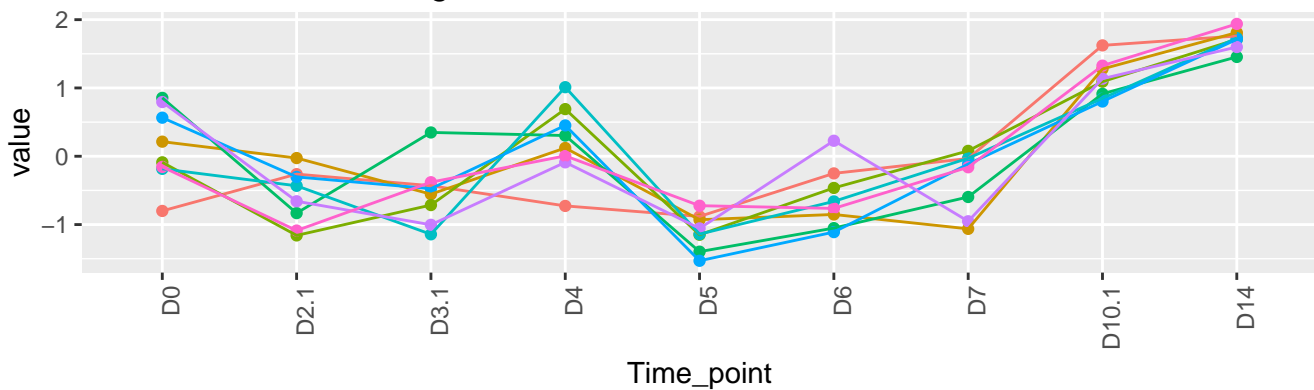
8 genes – KO-cluster-5-standardized



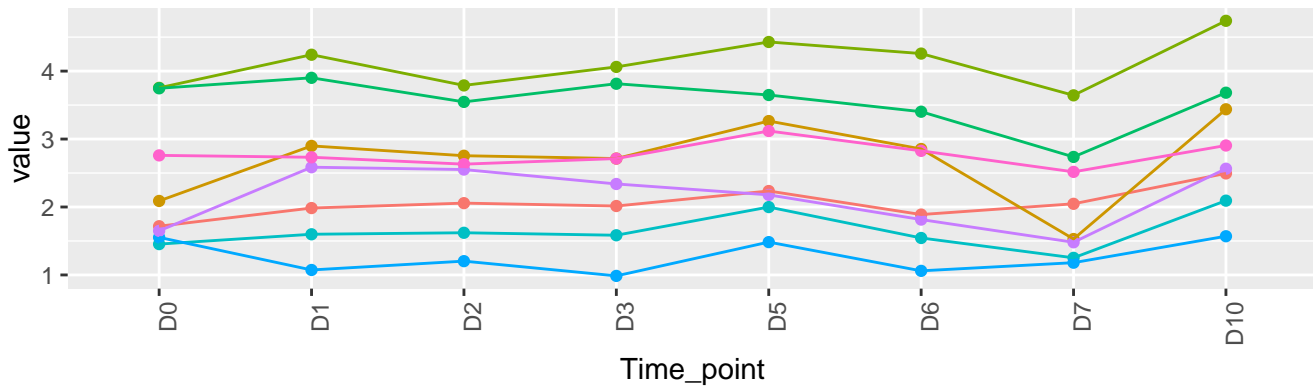
8 genes – WT-cluster-4-original



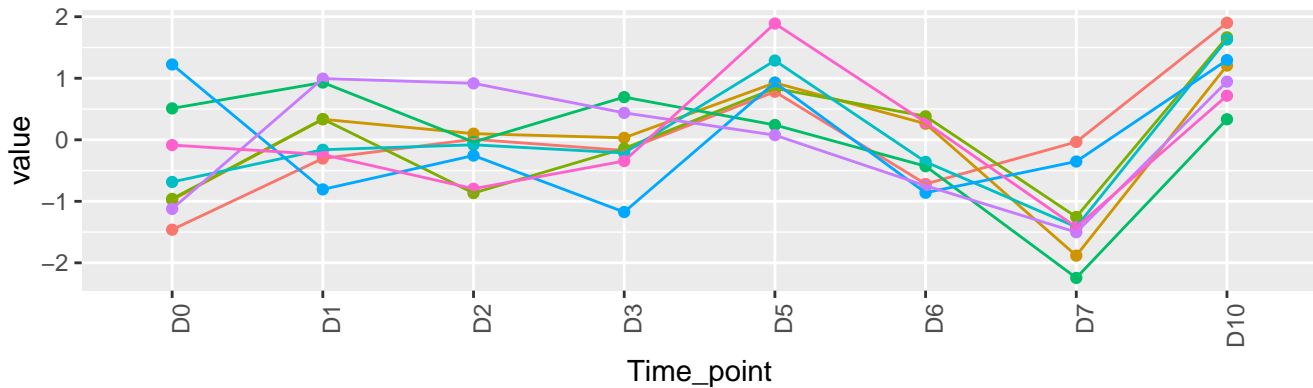
8 genes – WT-cluster-4-standardized



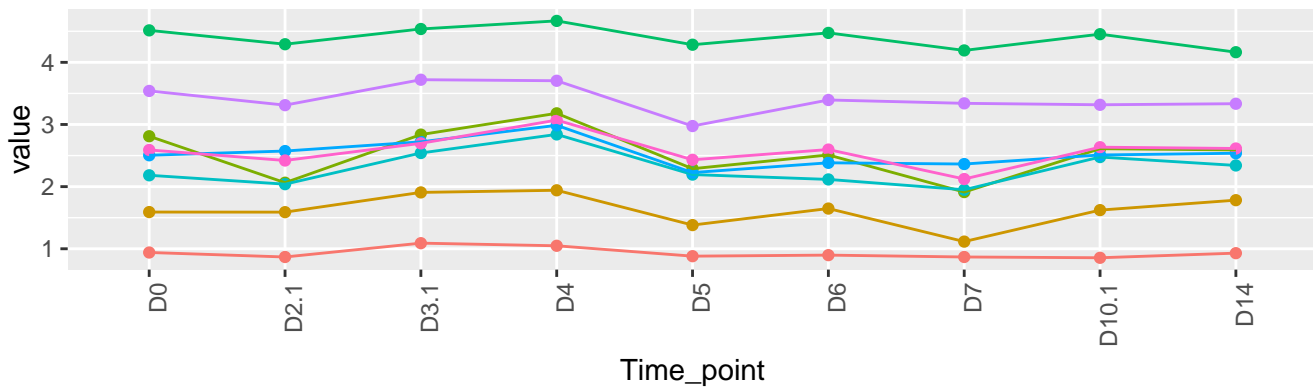
8 genes – KO-cluster-4-original



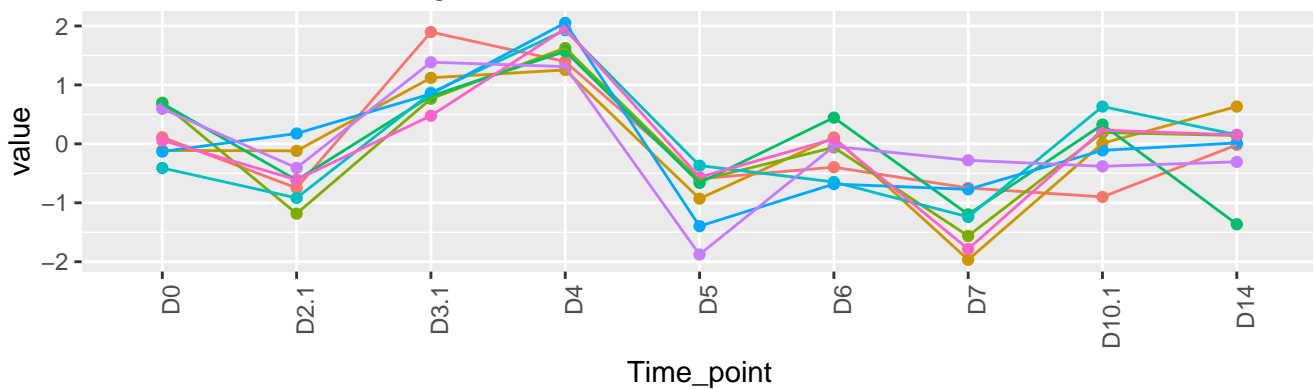
8 genes – KO-cluster-4-standardized



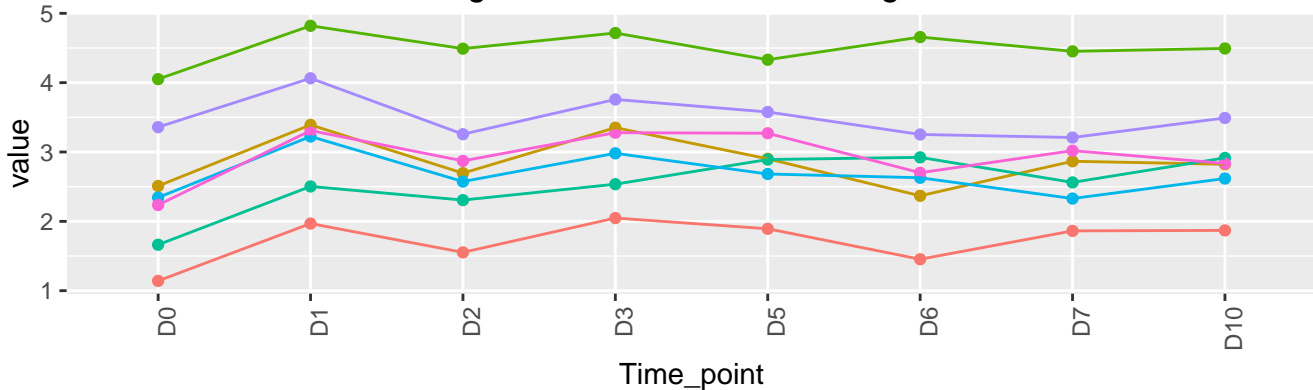
8 genes – WT-cluster-3-original



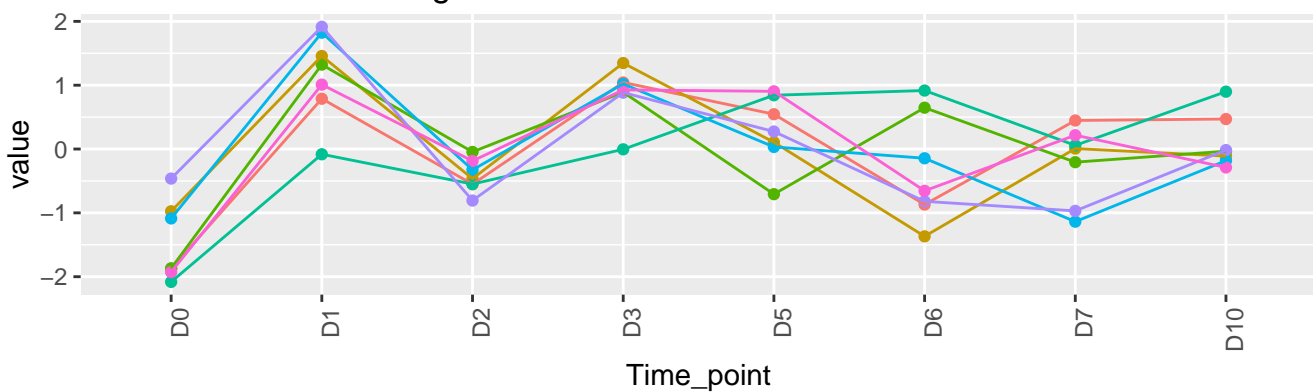
8 genes – WT-cluster-3-standardized



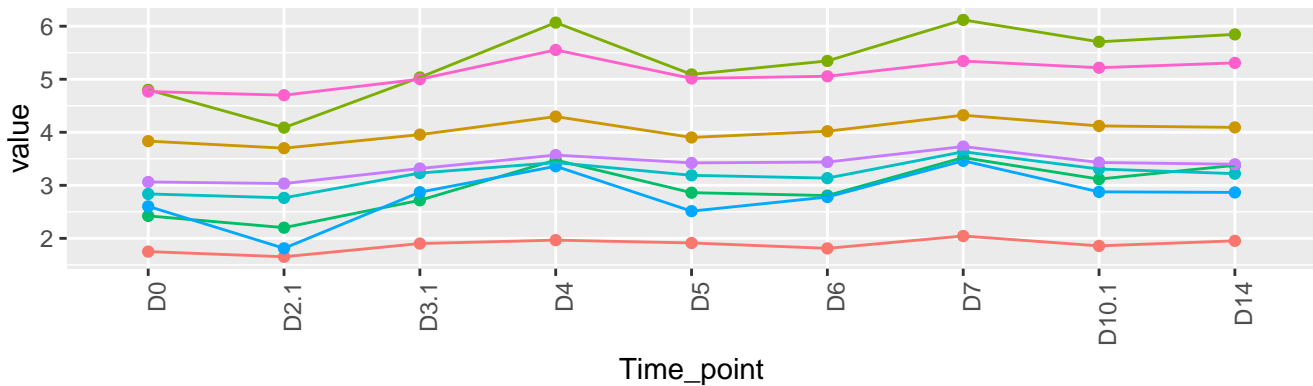
7 genes – KO-cluster-3-original



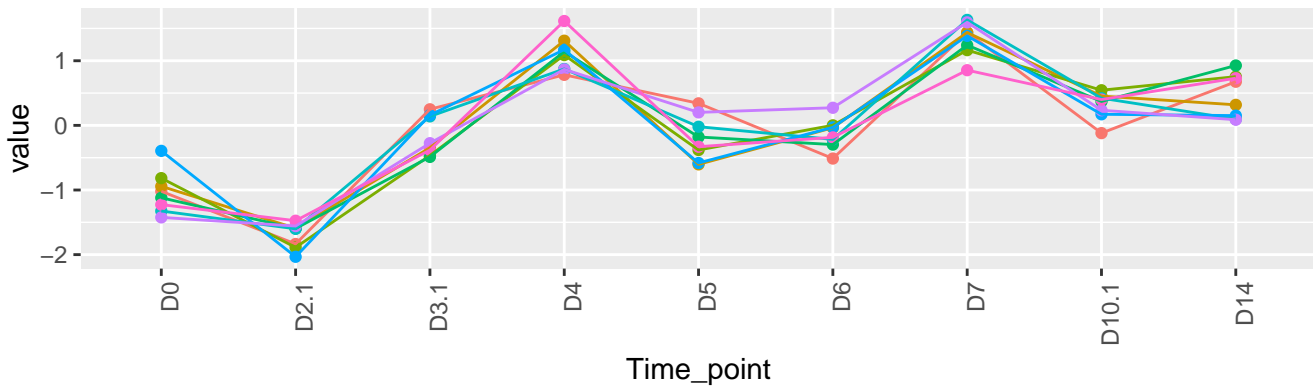
7 genes – KO-cluster-3-standardized



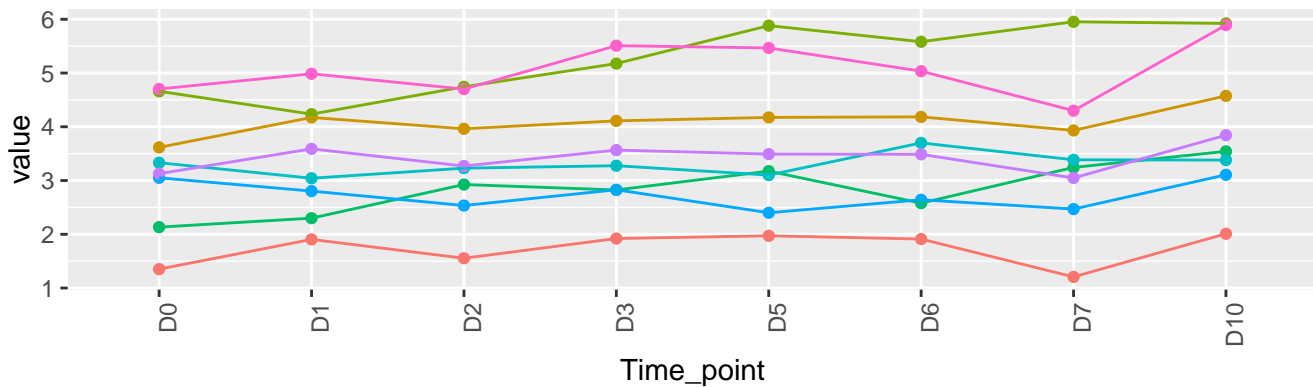
8 genes – WT-cluster-2-original



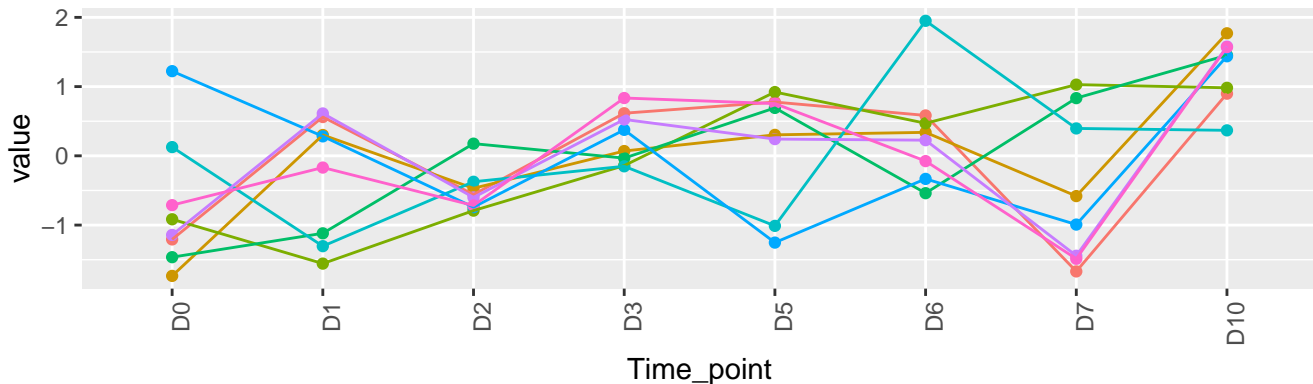
8 genes – WT-cluster-2-standardized



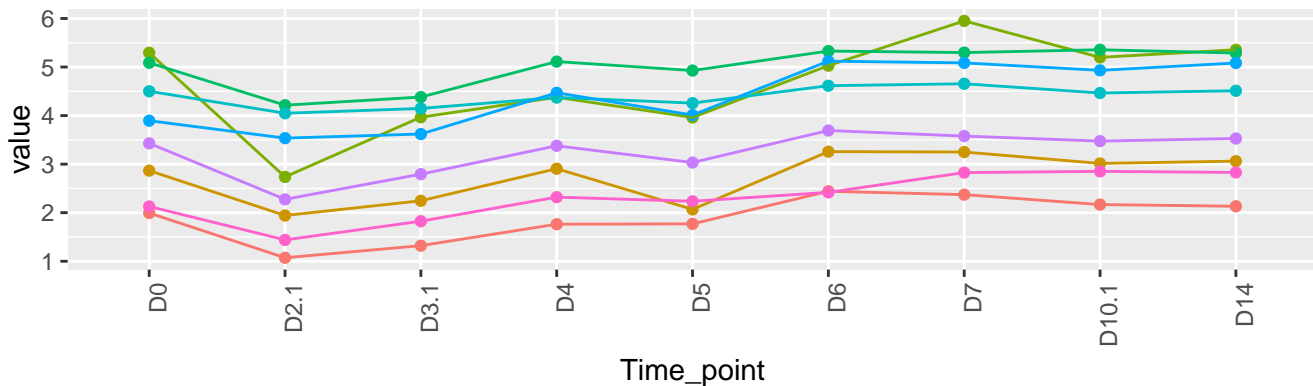
8 genes – KO-cluster-2-original



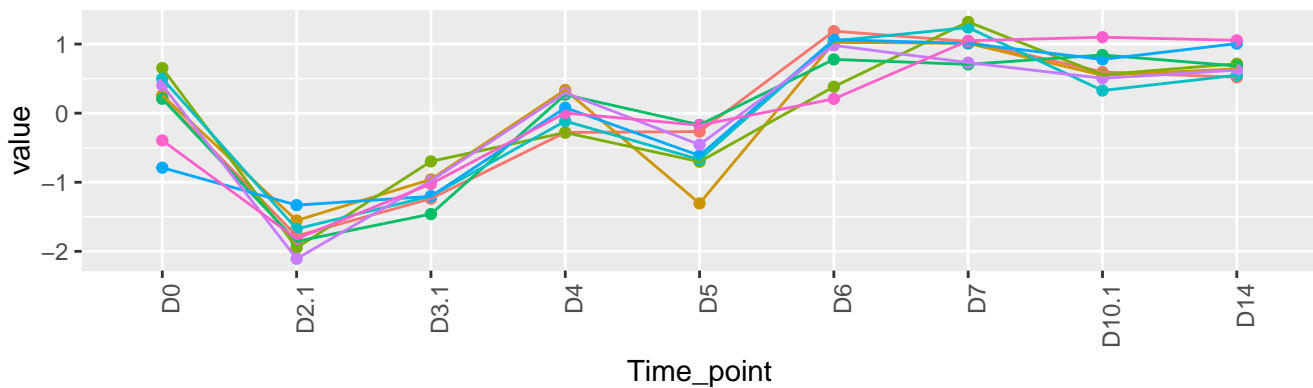
8 genes – KO-cluster-2-standardized



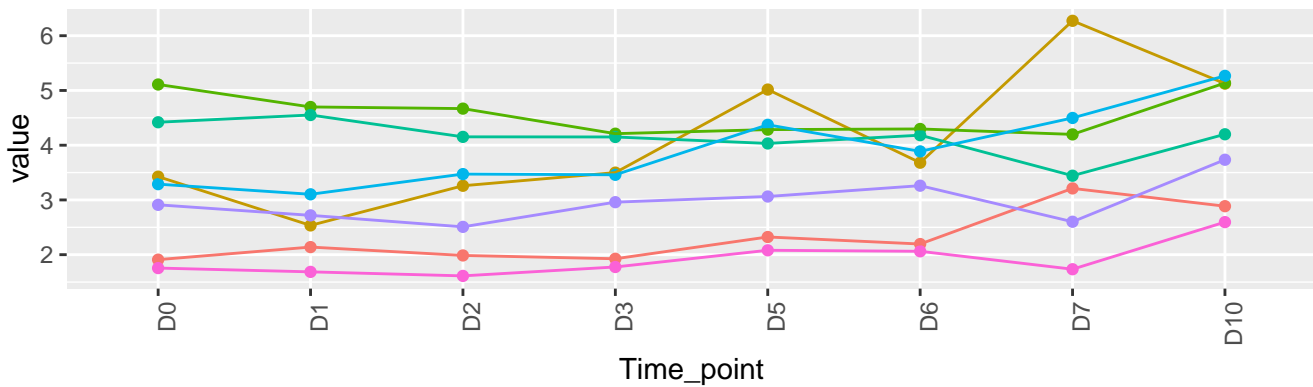
8 genes – WT-cluster-1-original



8 genes – WT-cluster-1-standardized



7 genes – KO-cluster-1-original



7 genes – KO-cluster-1-standardized

