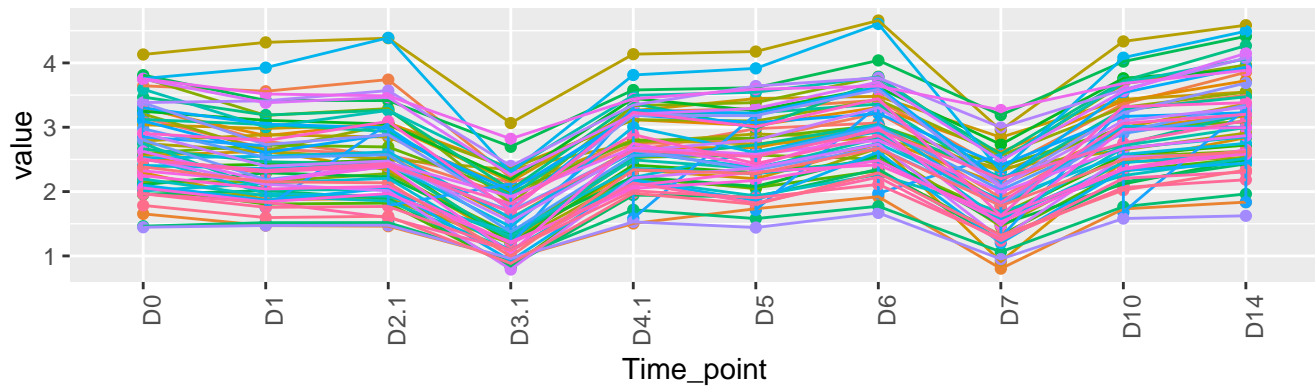
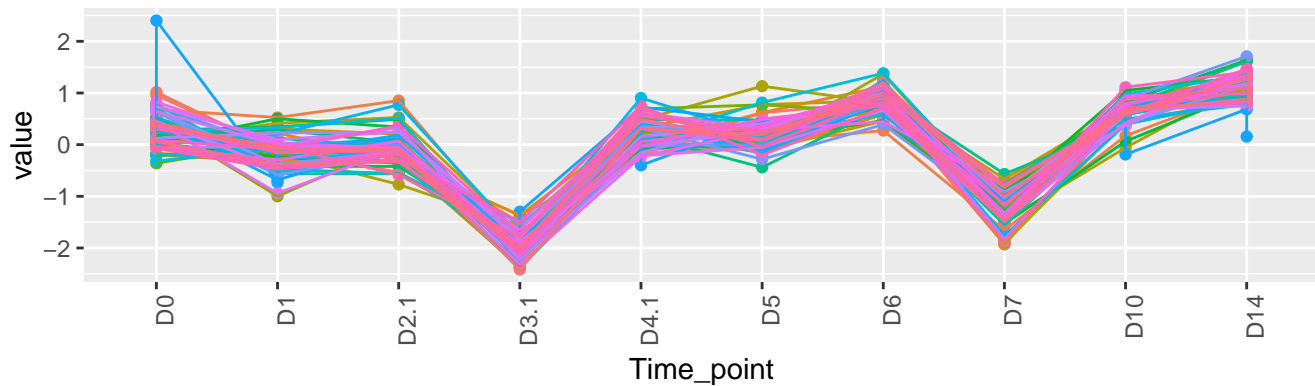


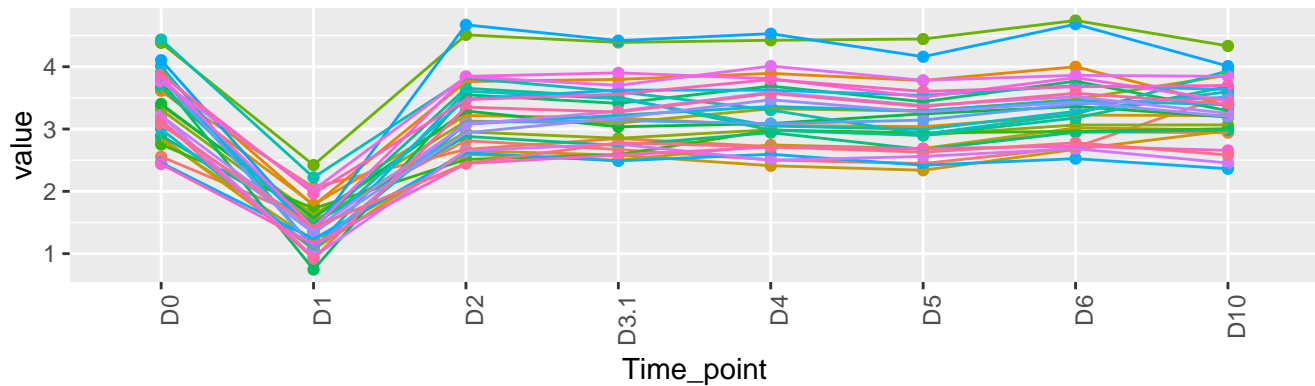
60 genes – WT-cluster-200-original



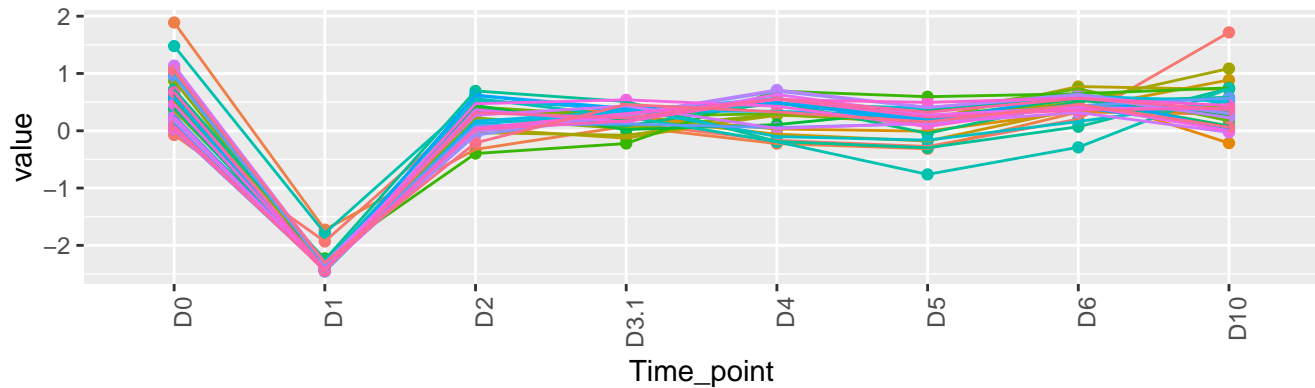
60 genes – WT-cluster-200-standardized



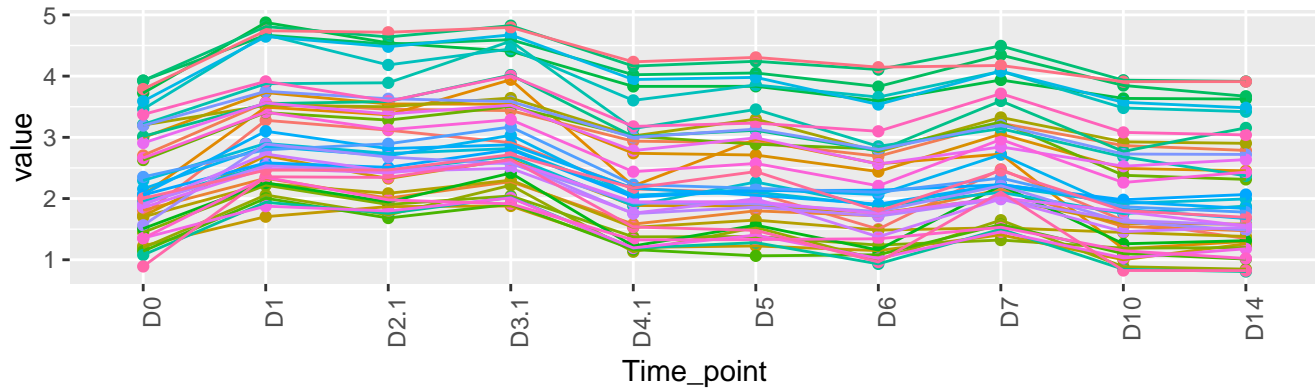
30 genes – KO-cluster-200-original



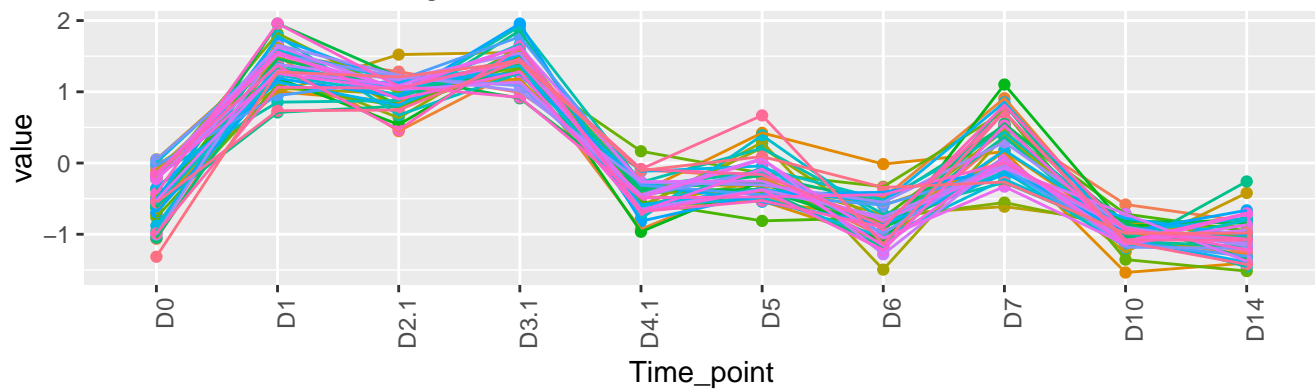
30 genes – KO-cluster-200-standardized



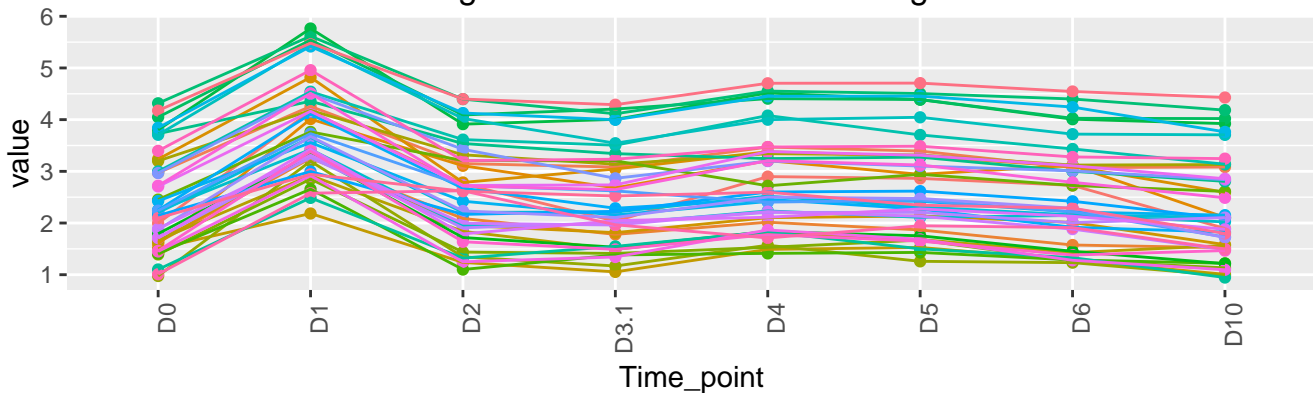
41 genes – WT-cluster-199-original



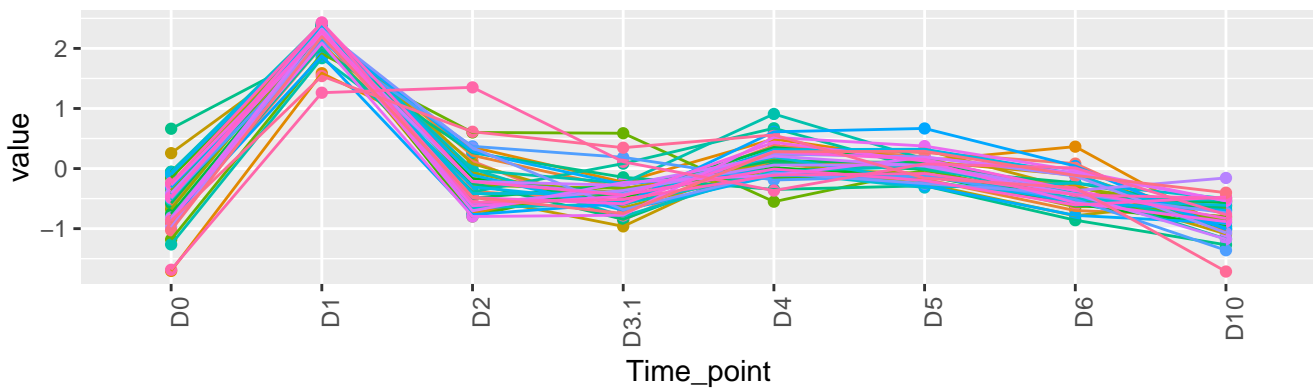
41 genes – WT-cluster-199-standardized



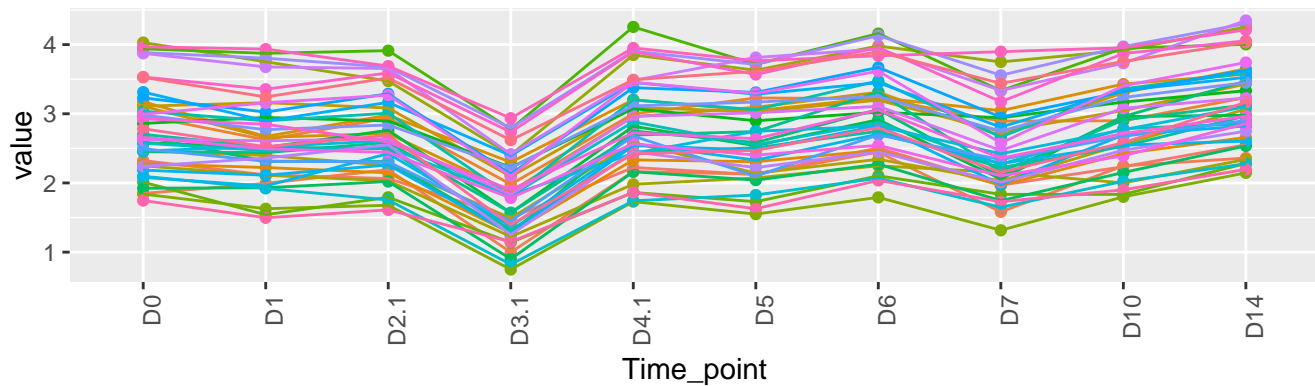
41 genes – KO-cluster-199-original



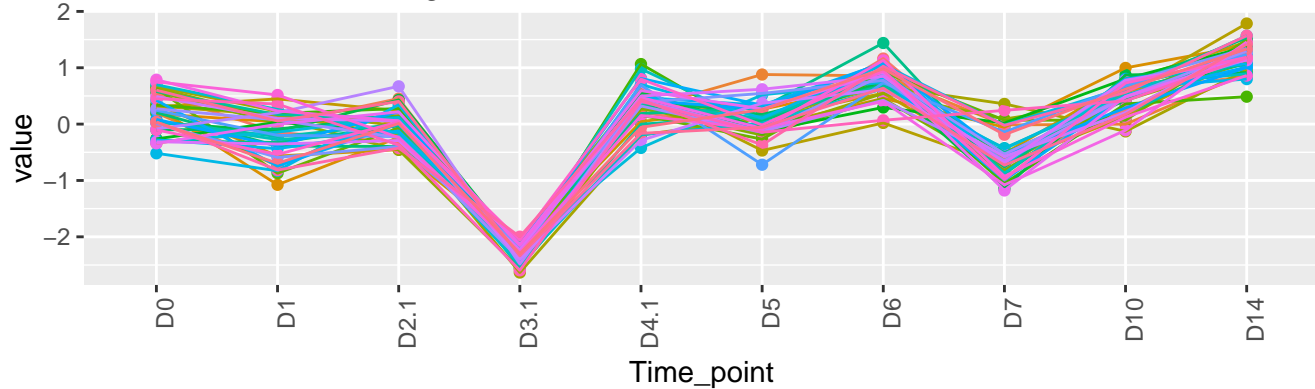
41 genes – KO-cluster-199-standardized



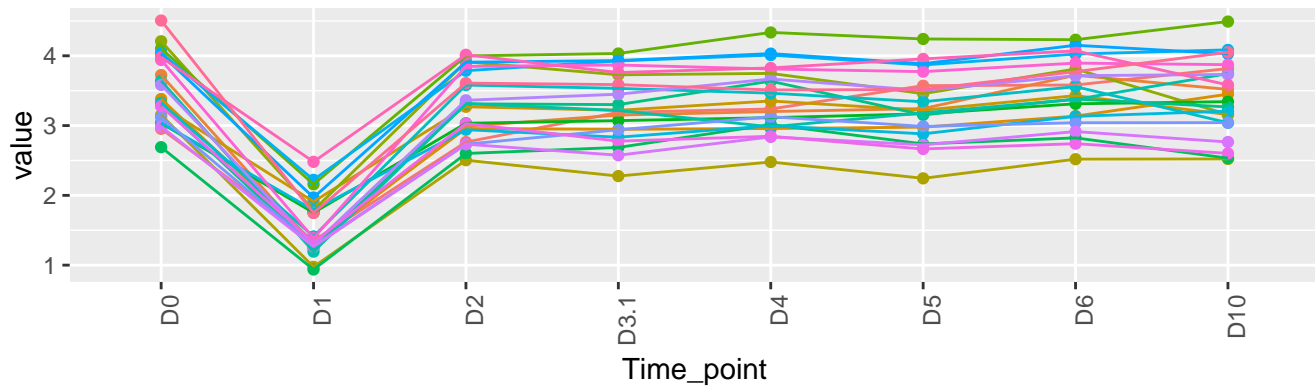
41 genes – WT-cluster-198-original



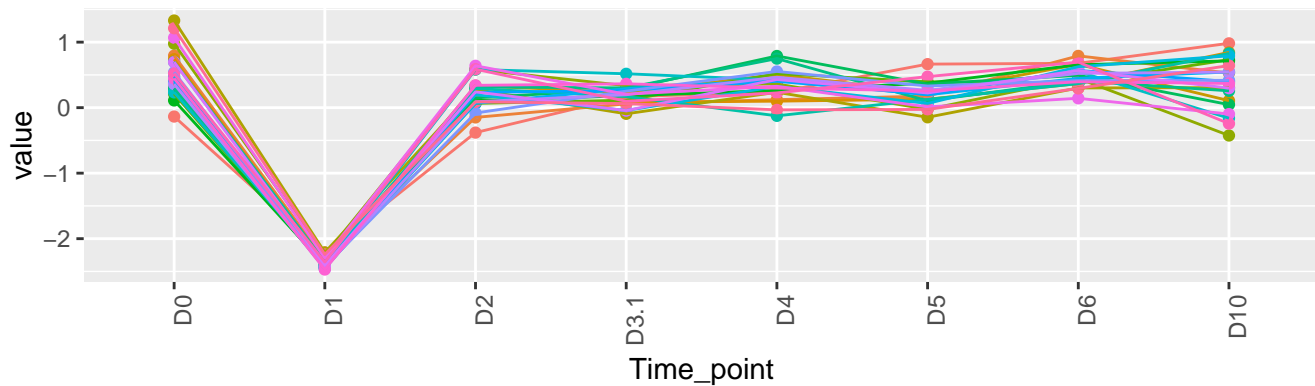
41 genes – WT-cluster-198-standardized



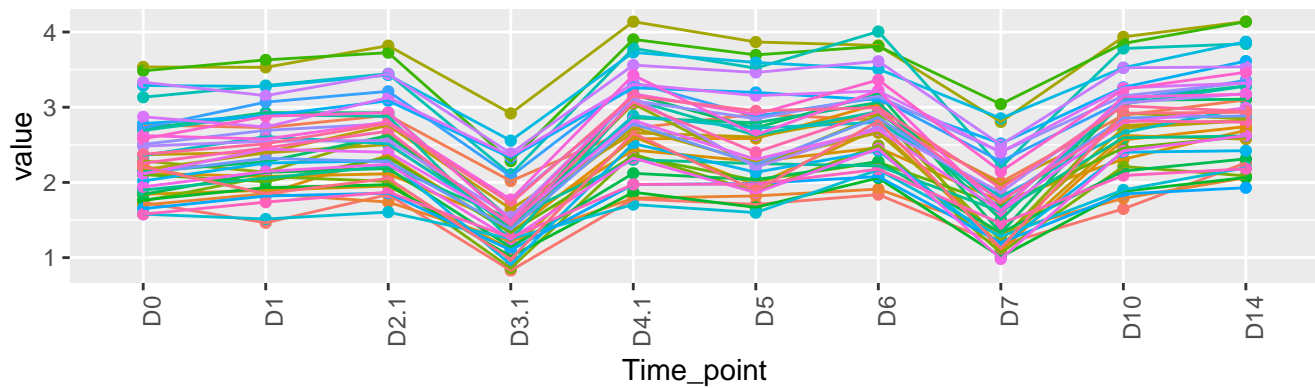
22 genes – KO-cluster-198-original



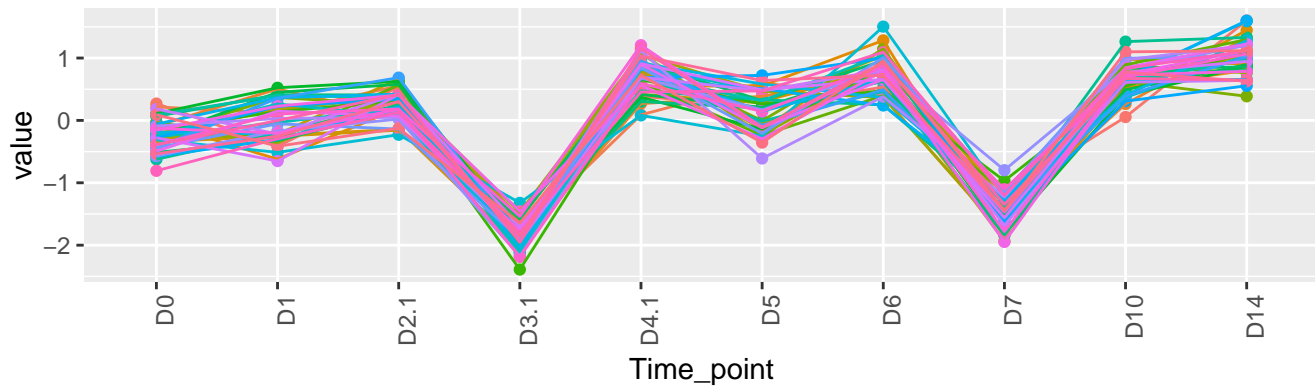
22 genes – KO-cluster-198-standardized



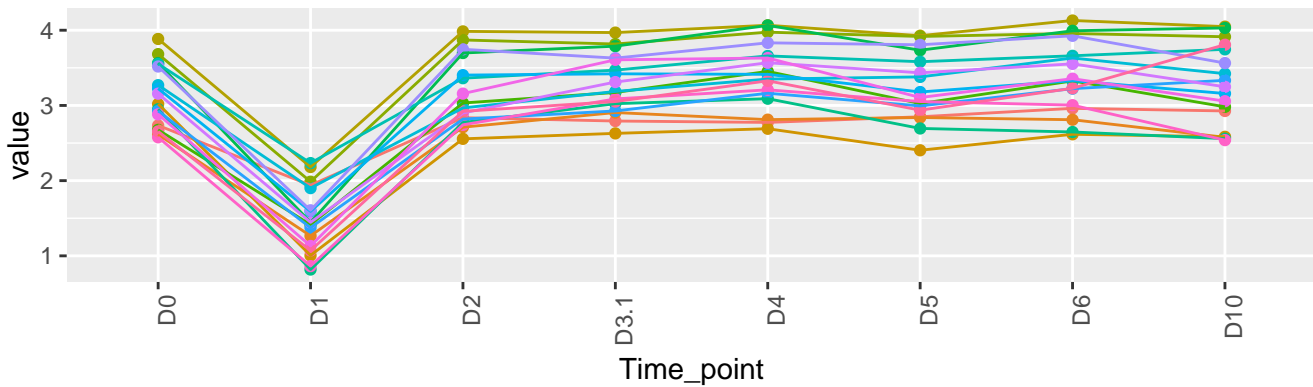
40 genes – WT-cluster-197-original



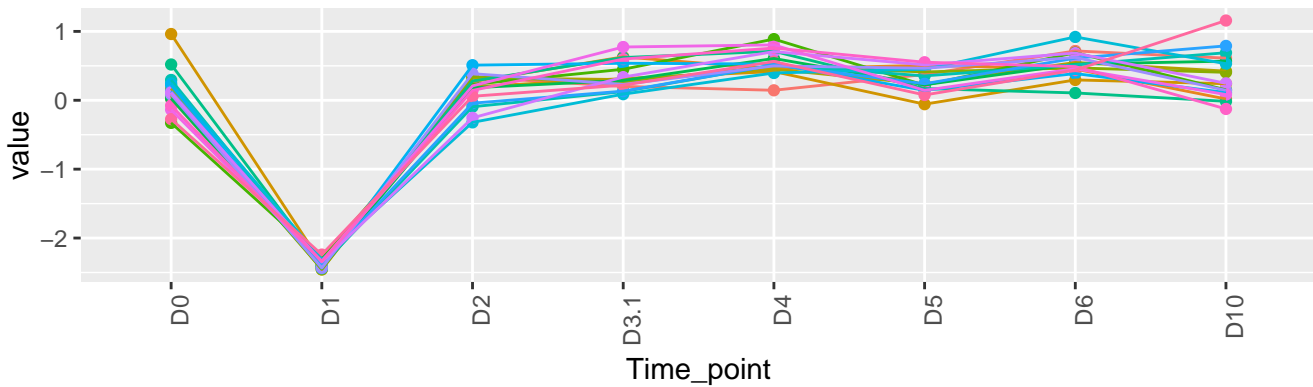
40 genes – WT-cluster-197-standardized



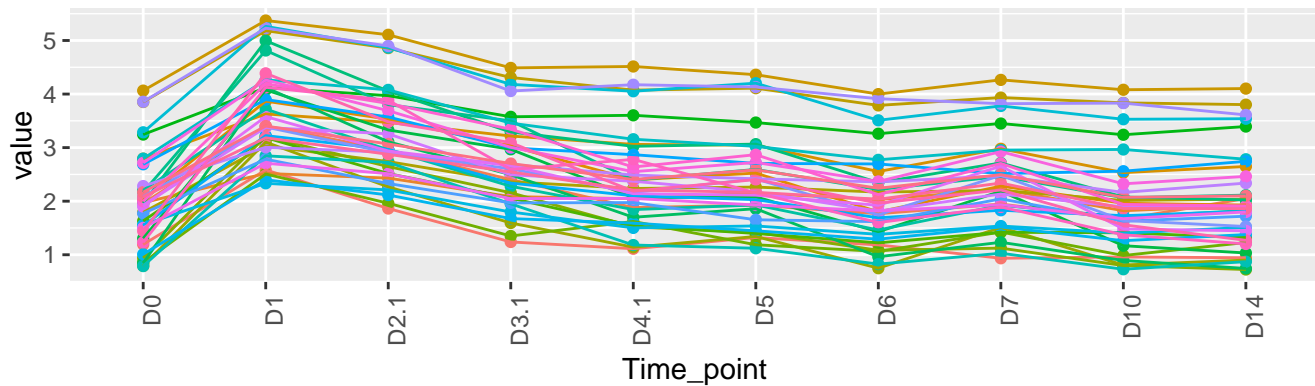
17 genes – KO-cluster-197-original



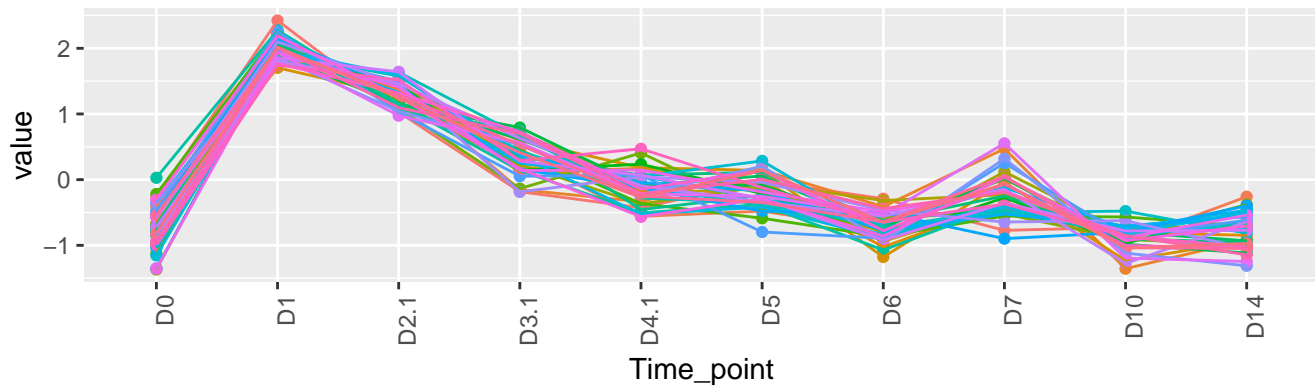
17 genes – KO-cluster-197-standardized



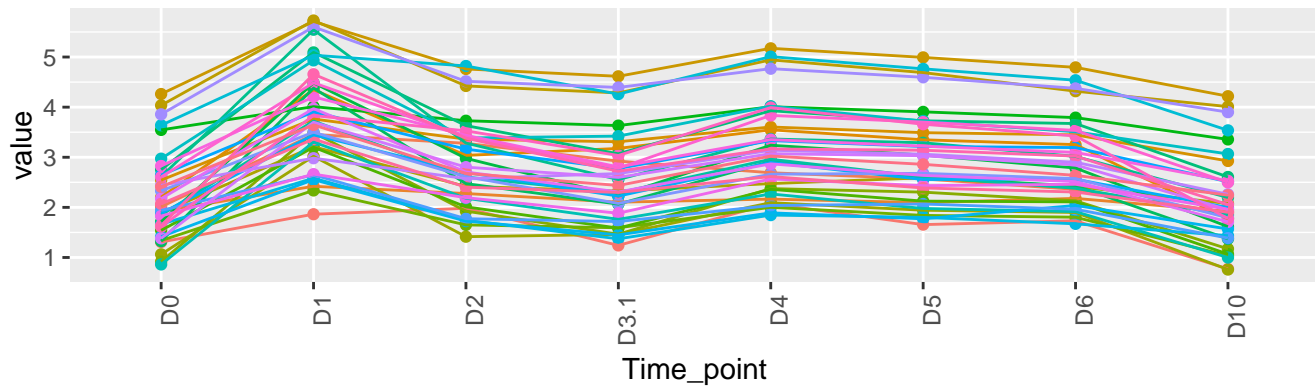
38 genes – WT-cluster-196-original



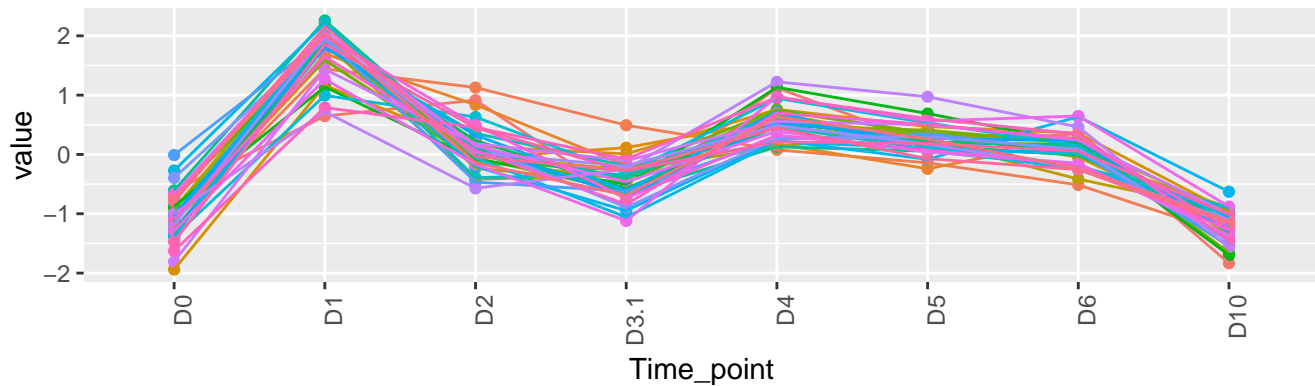
38 genes – WT-cluster-196-standardized



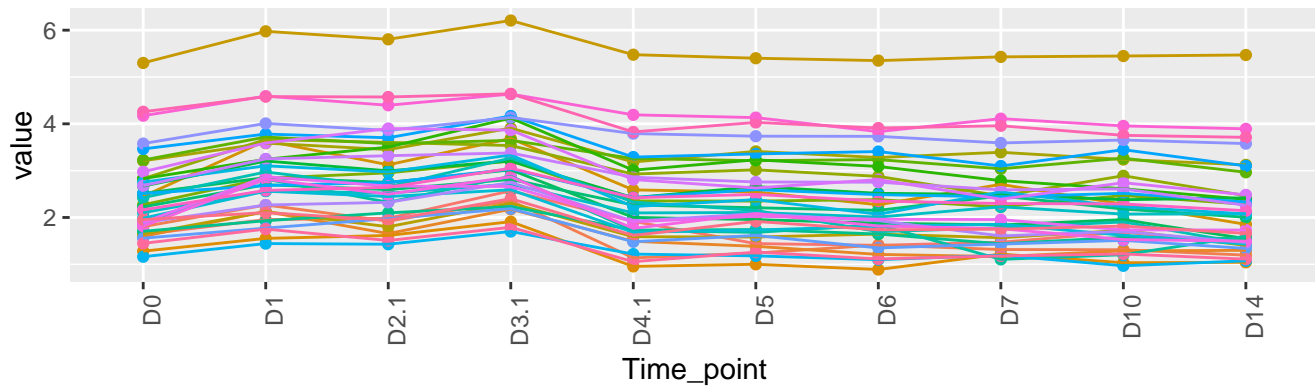
38 genes – KO-cluster-196-original



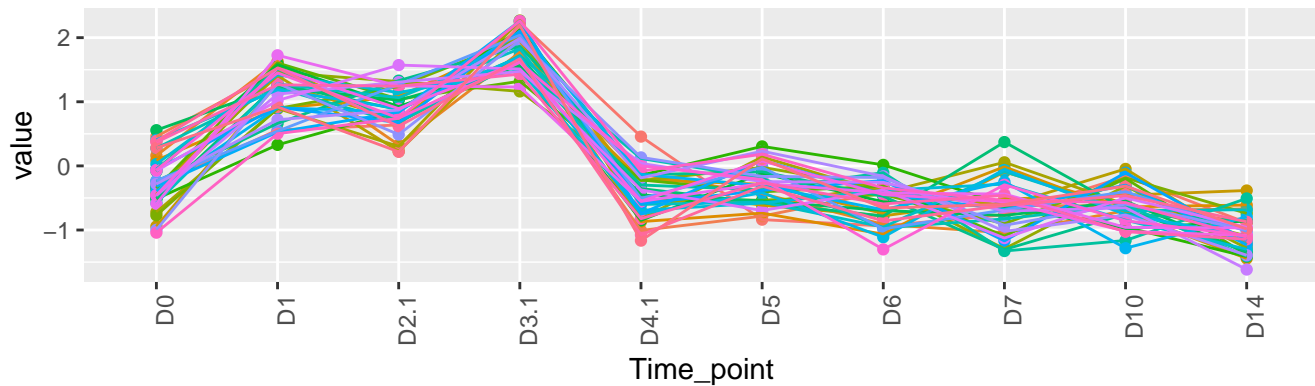
38 genes – KO-cluster-196-standardized



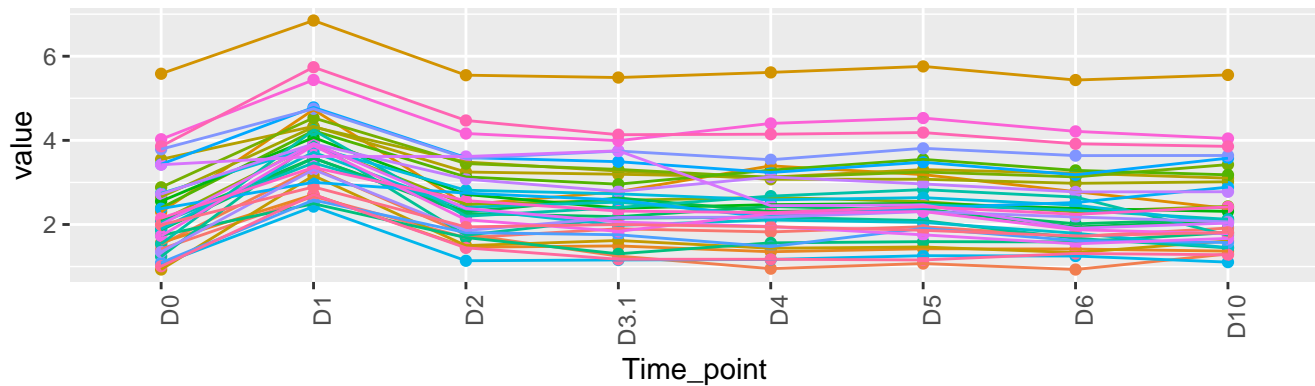
36 genes – WT-cluster-195-original



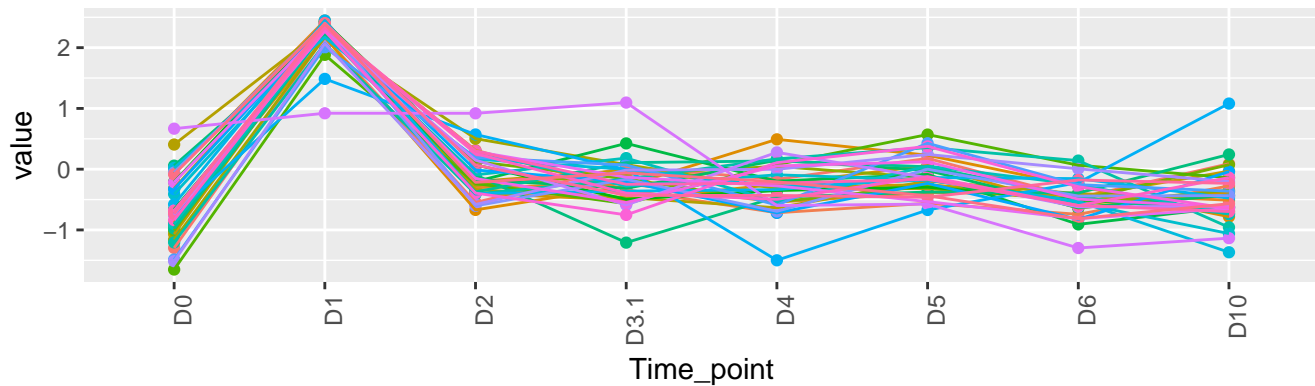
36 genes – WT-cluster-195-standardized



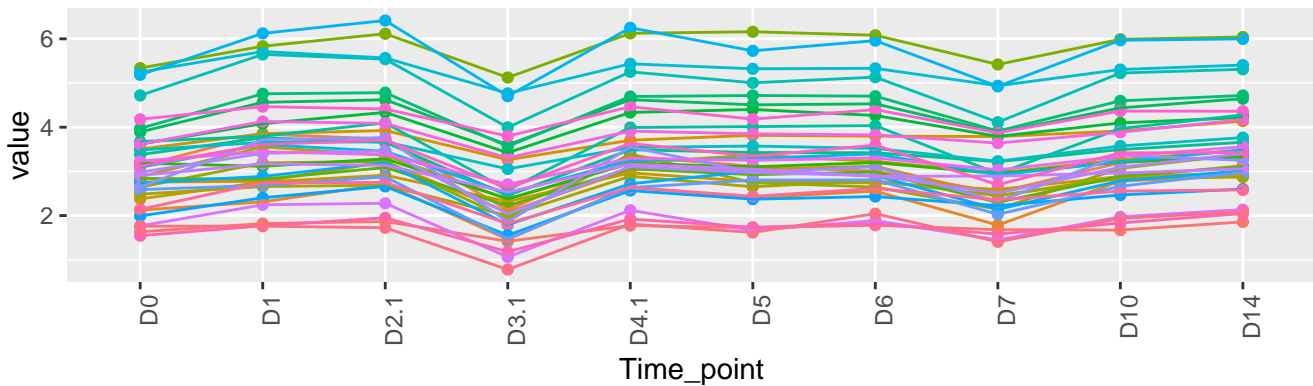
35 genes – KO-cluster-195-original



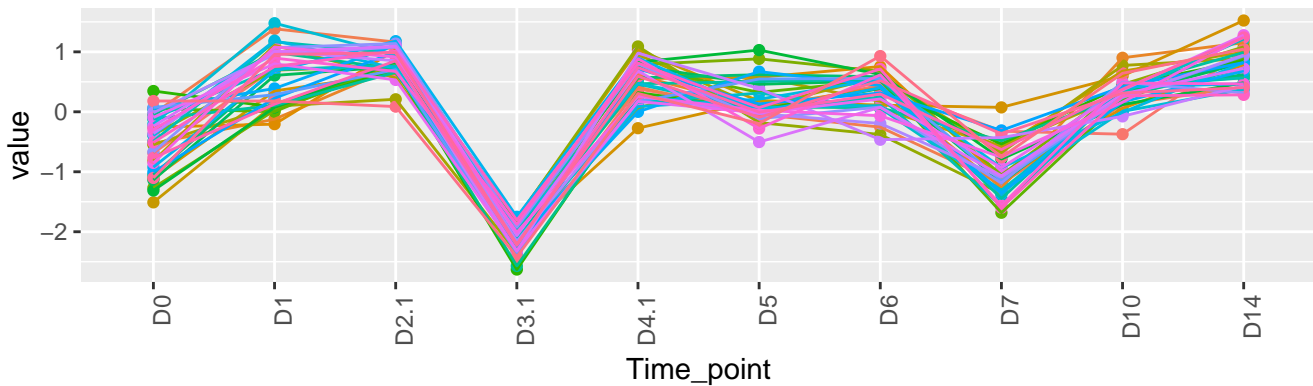
35 genes – KO-cluster-195-standardized



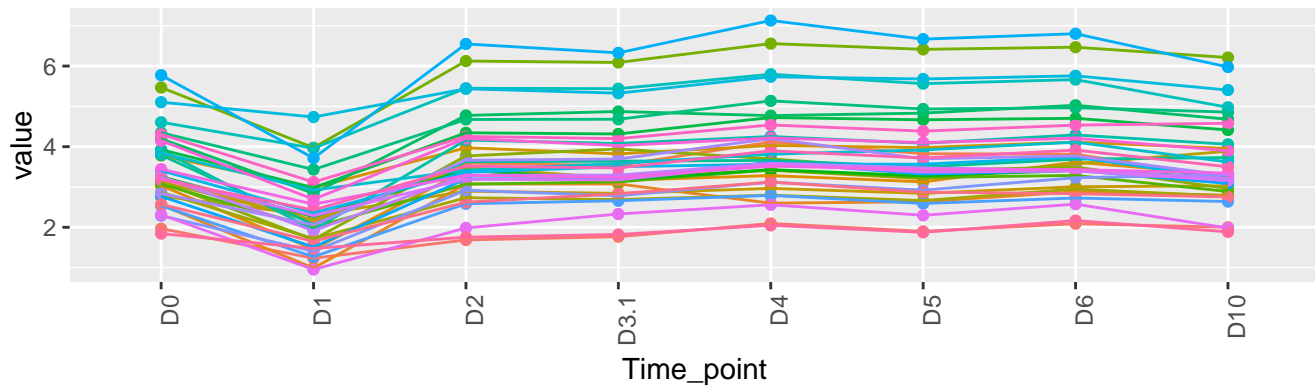
36 genes – WT-cluster-194-original



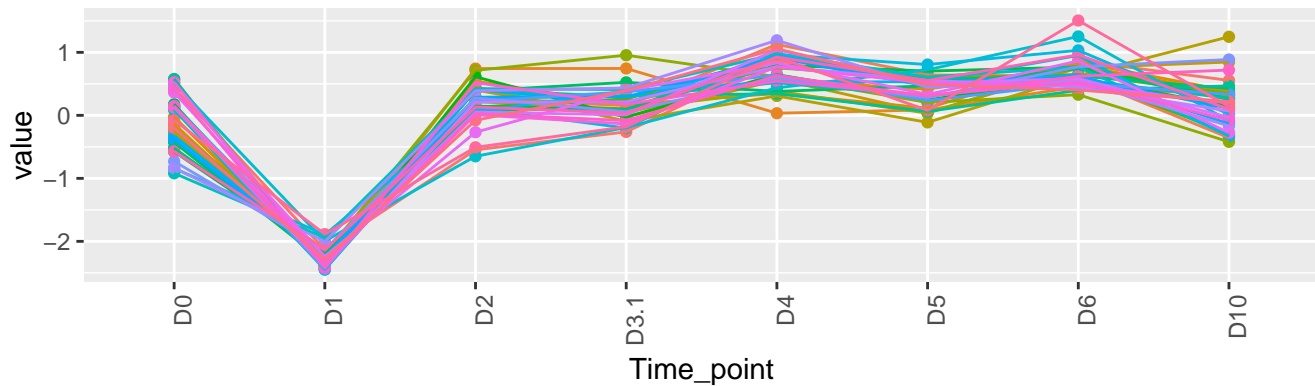
36 genes – WT-cluster-194-standardized



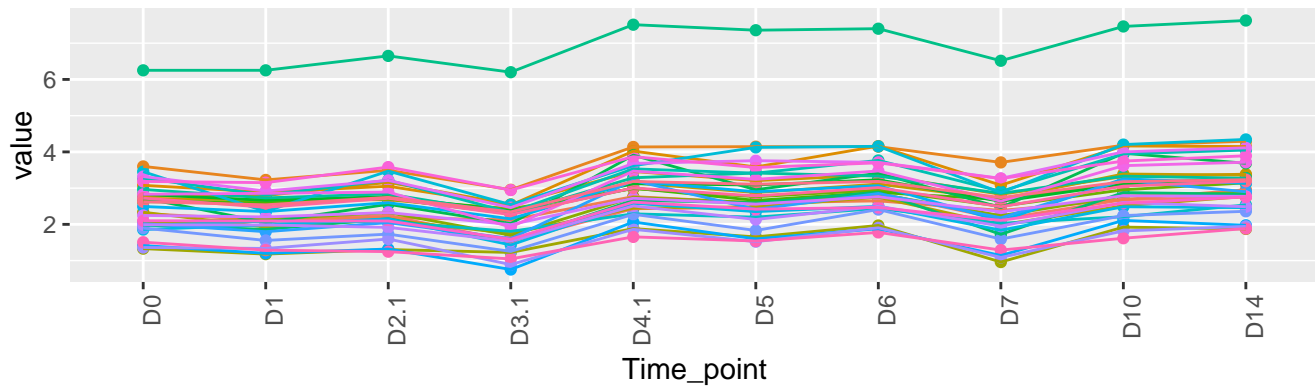
35 genes – KO-cluster-194-original



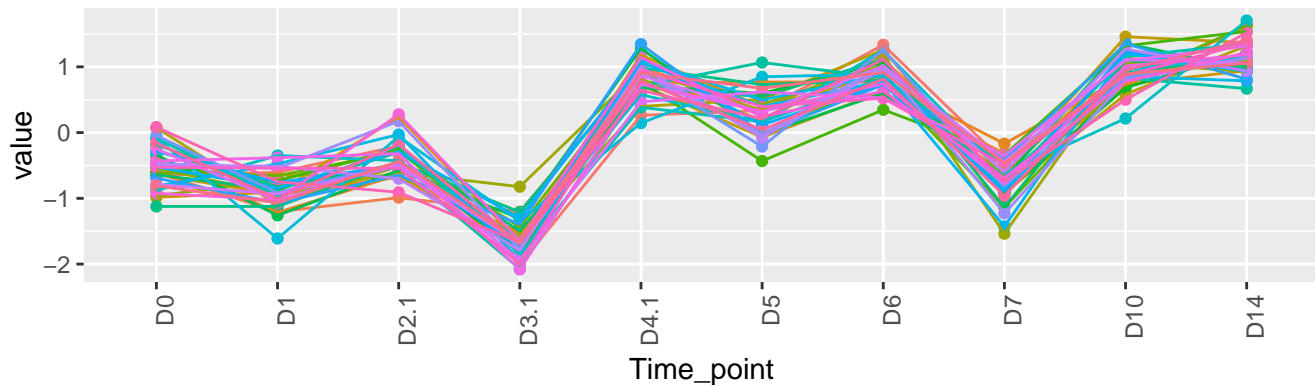
35 genes – KO-cluster-194-standardized



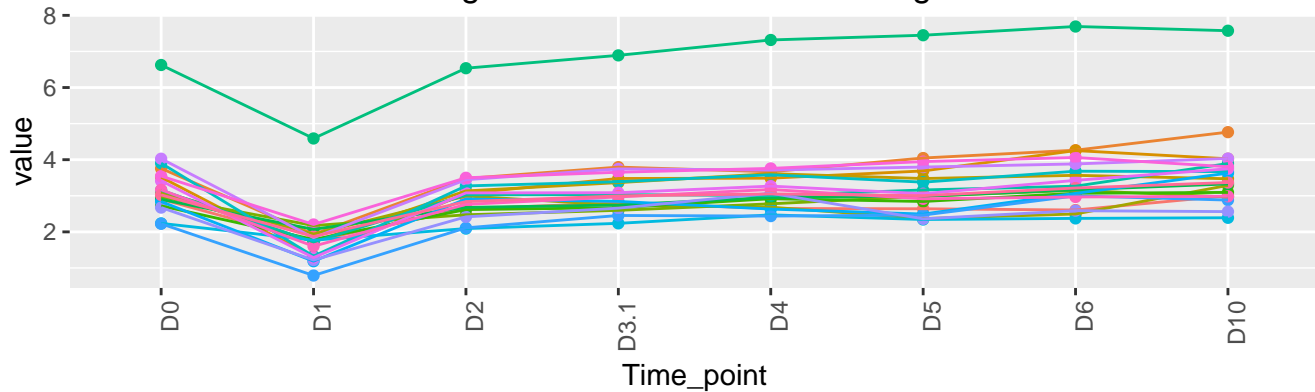
34 genes – WT-cluster-193-original



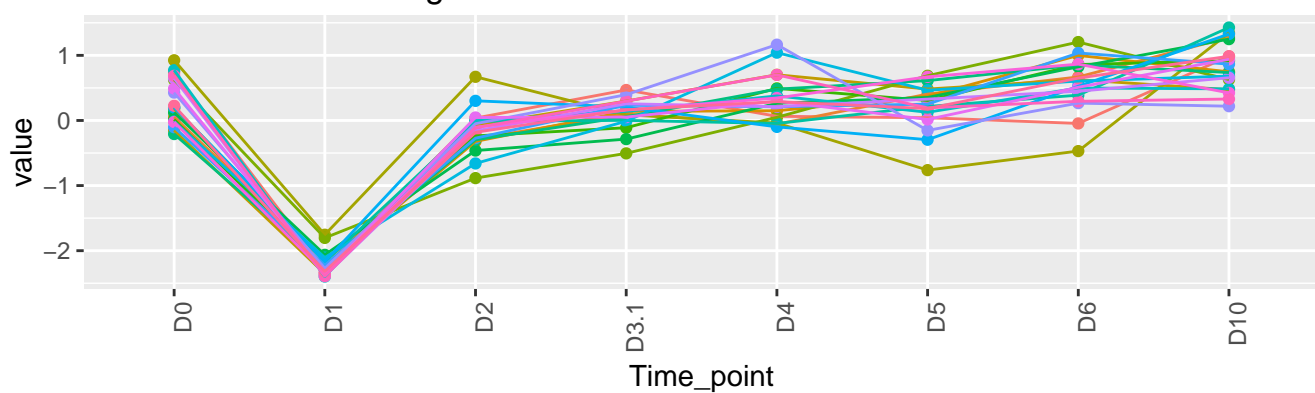
34 genes – WT-cluster-193-standardized



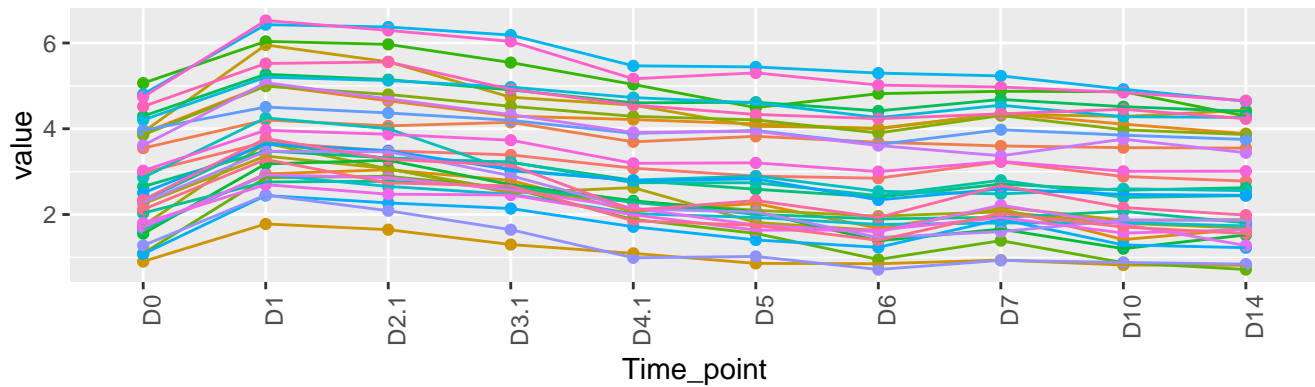
20 genes – KO-cluster-193-original



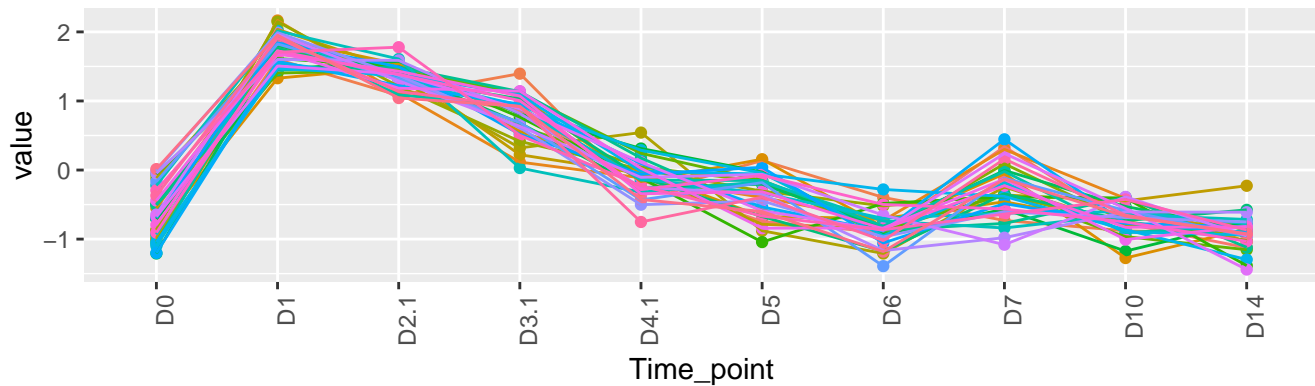
20 genes – KO-cluster-193-standardized



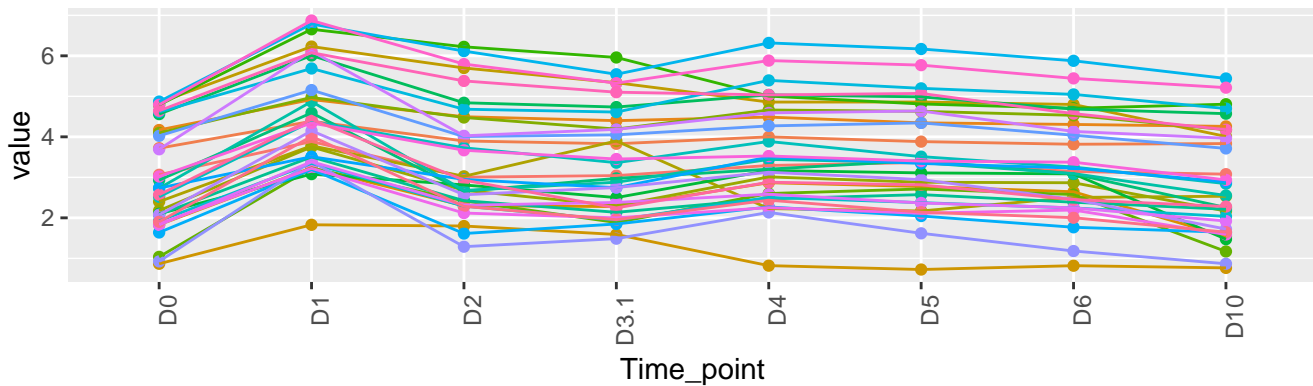
33 genes – WT-cluster-192-original



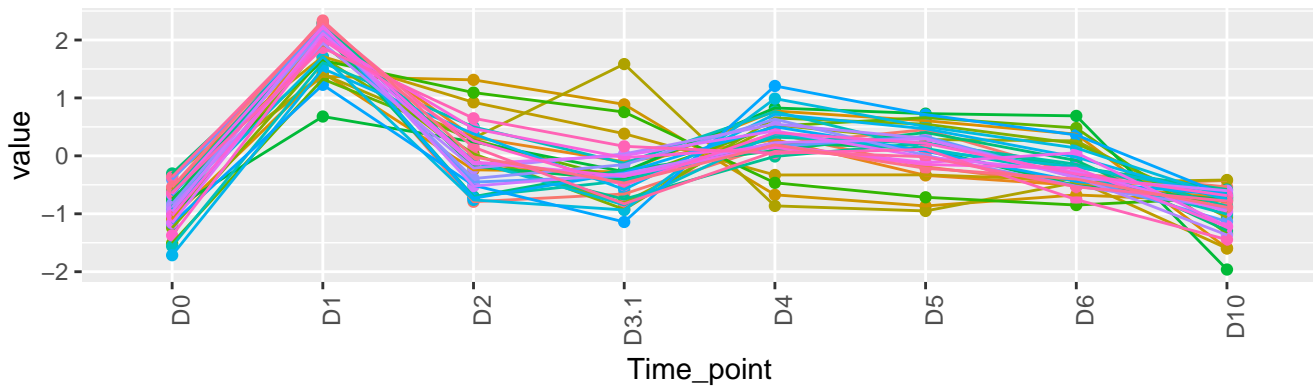
33 genes – WT-cluster-192-standardized



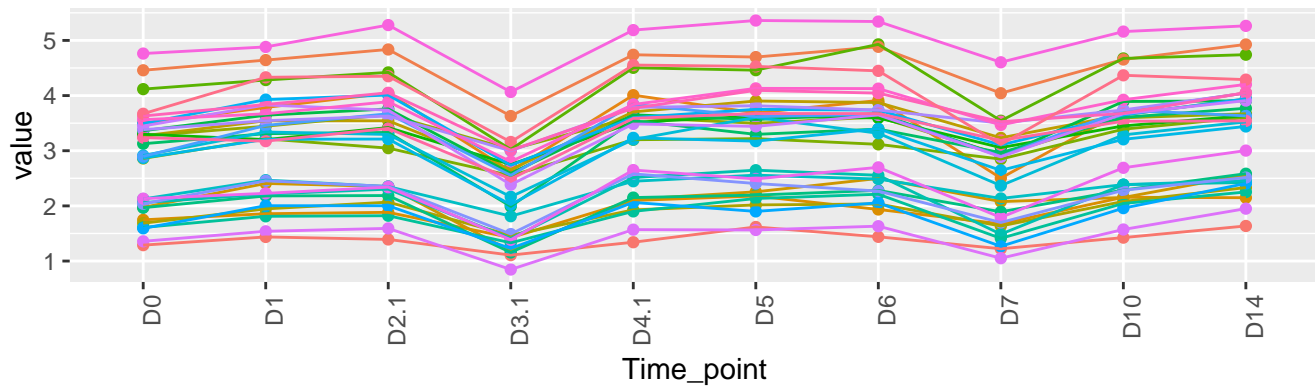
33 genes – KO-cluster-192-original



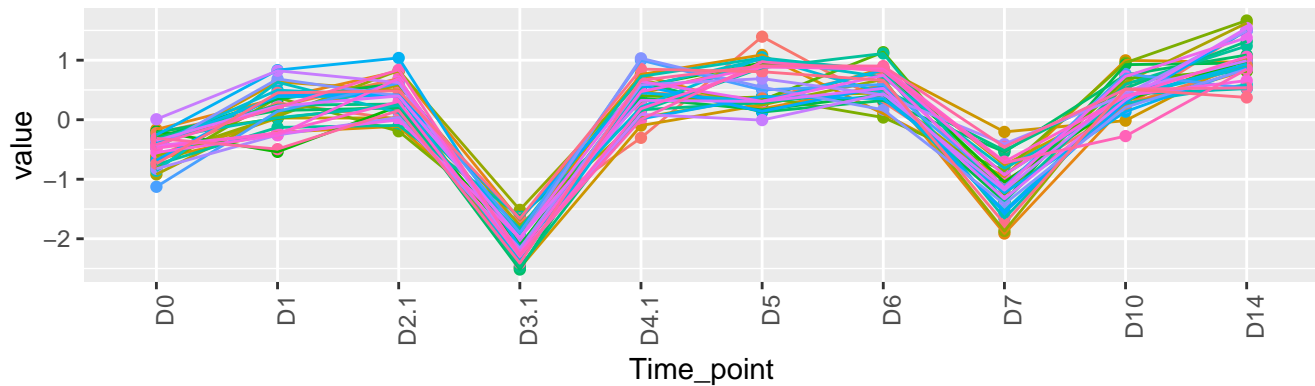
33 genes – KO-cluster-192-standardized



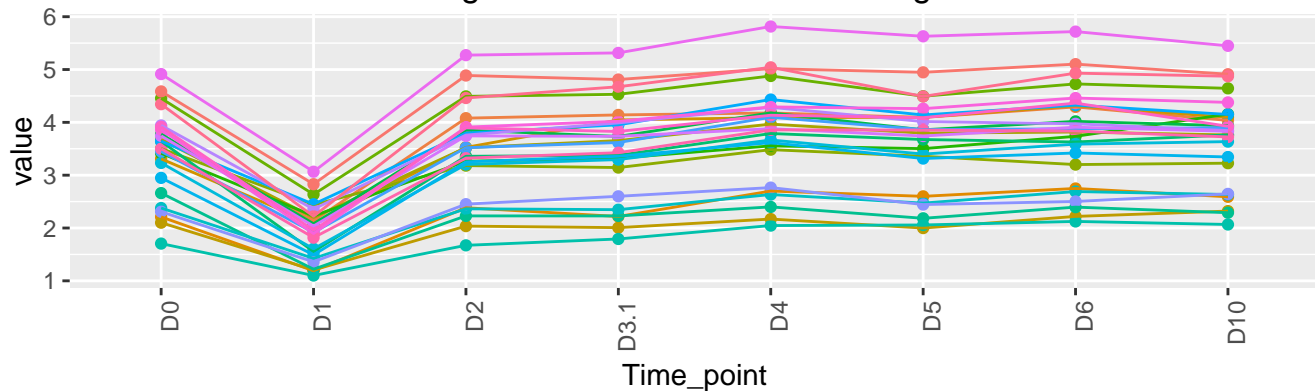
32 genes – WT-cluster-191-original



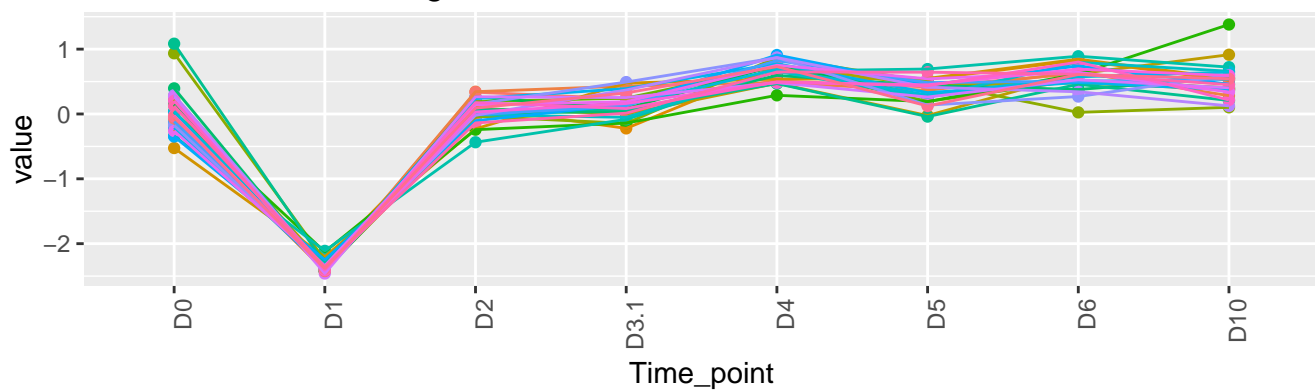
32 genes – WT-cluster-191-standardized



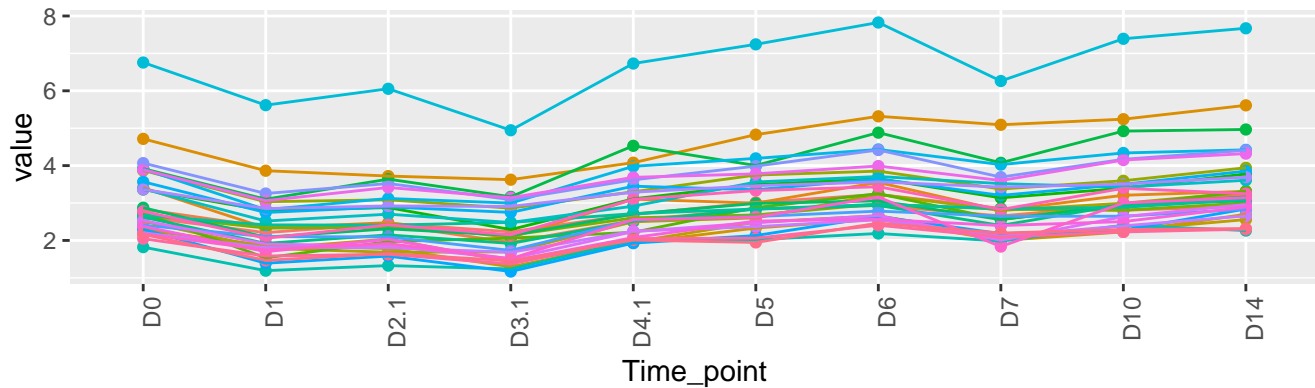
26 genes – KO-cluster-191-original



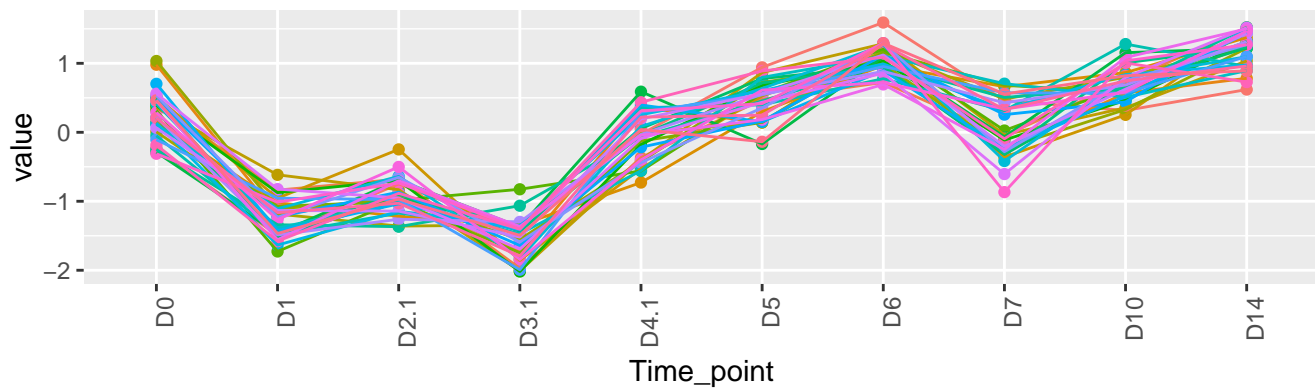
26 genes – KO-cluster-191-standardized



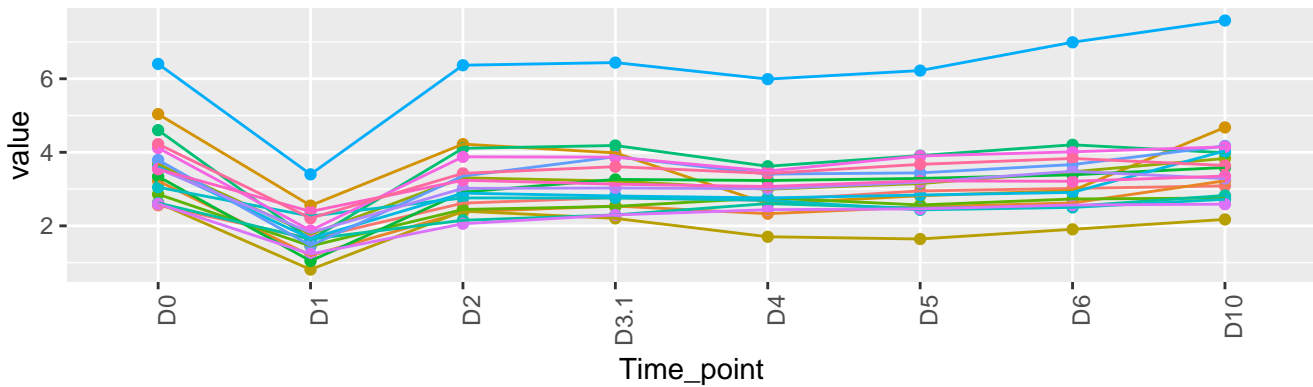
32 genes – WT-cluster-190-original



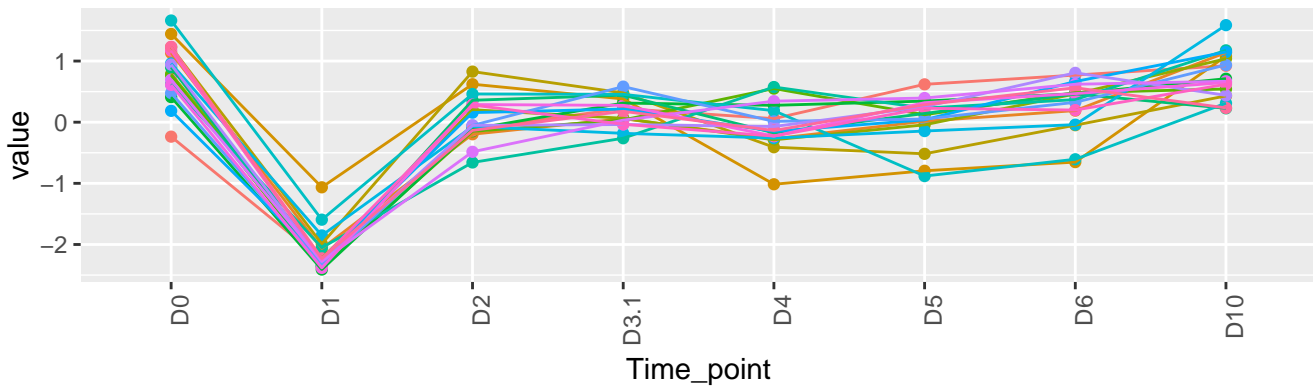
32 genes – WT-cluster-190-standardized



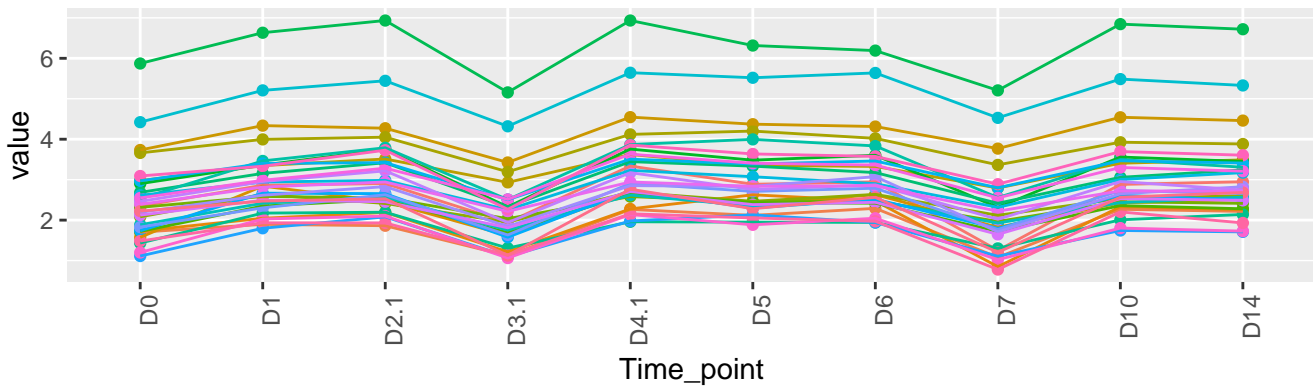
18 genes – KO-cluster-190-original



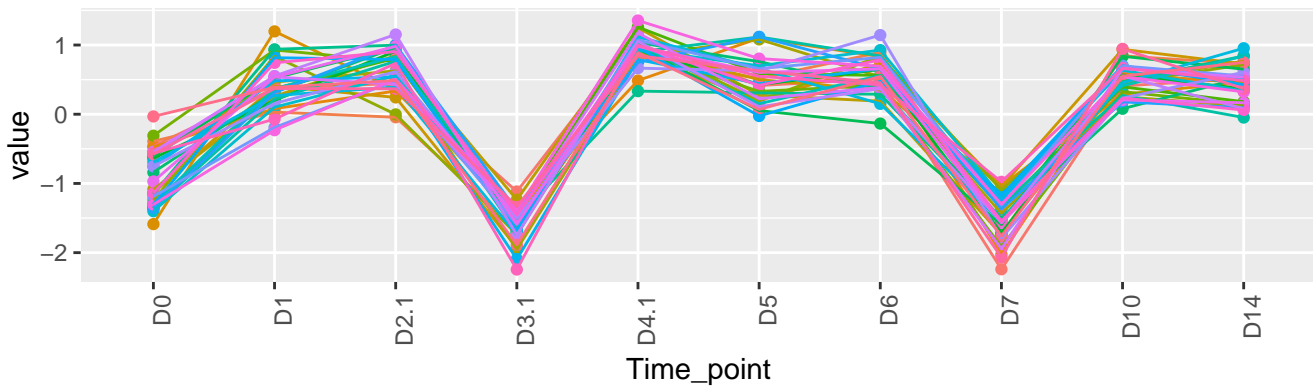
18 genes – KO-cluster-190-standardized



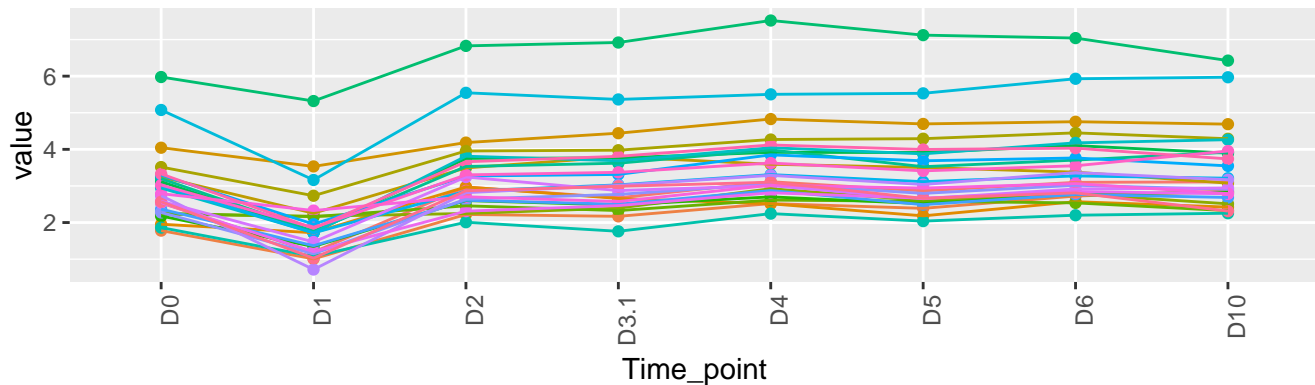
31 genes – WT-cluster-189-original



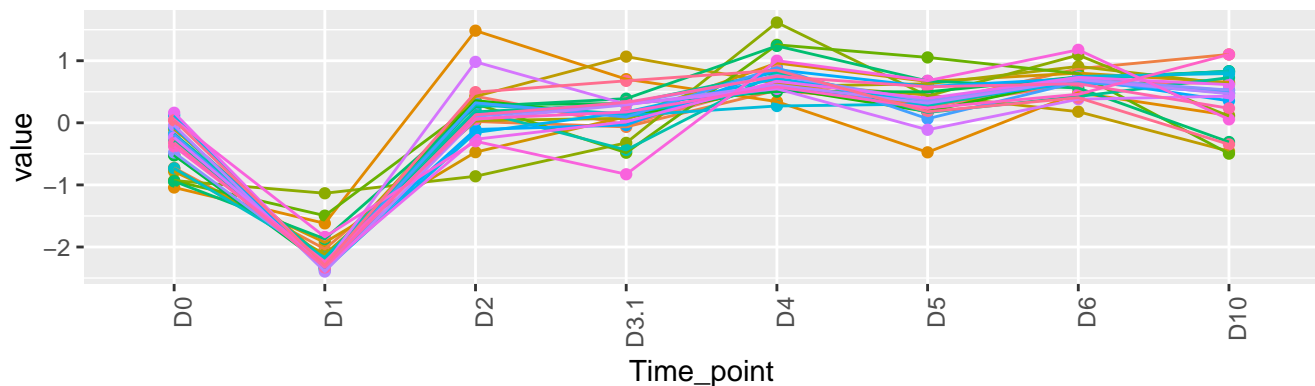
31 genes – WT-cluster-189-standardized



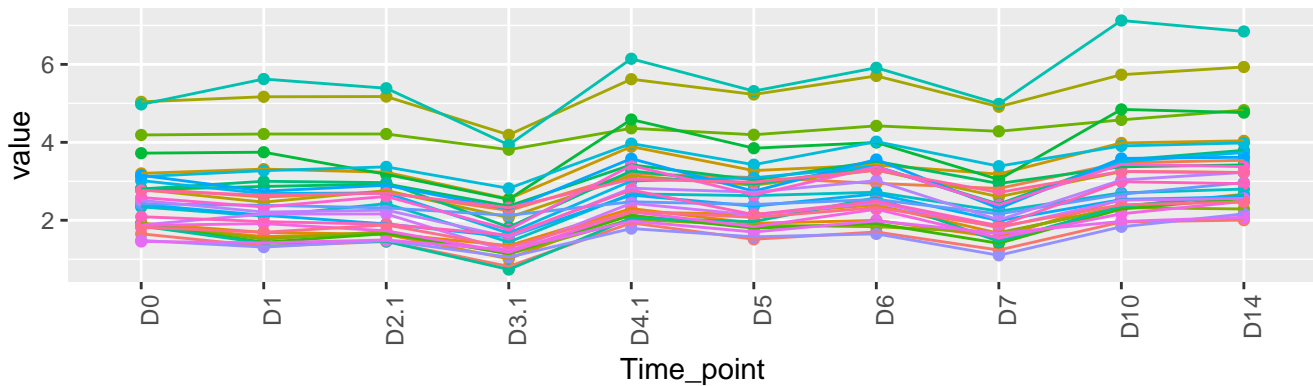
26 genes – KO-cluster-189-original



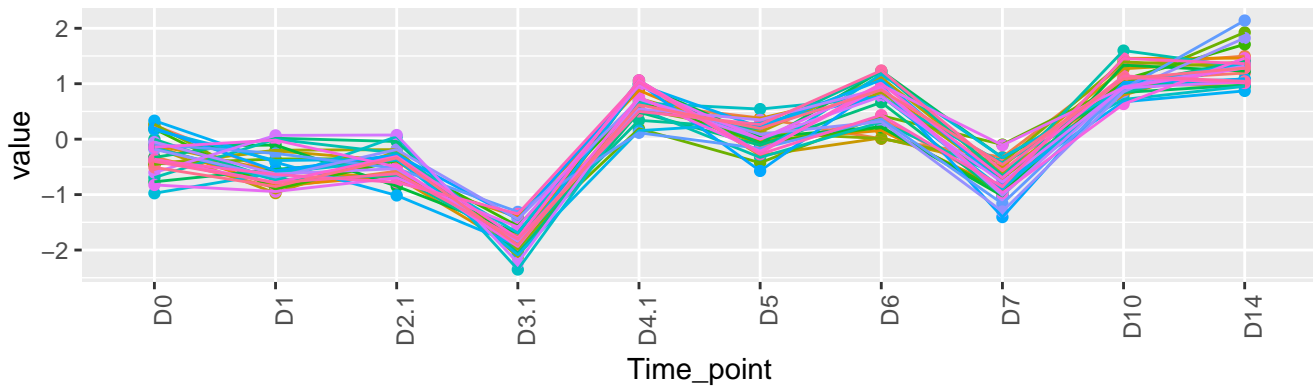
26 genes – KO-cluster-189-standardized



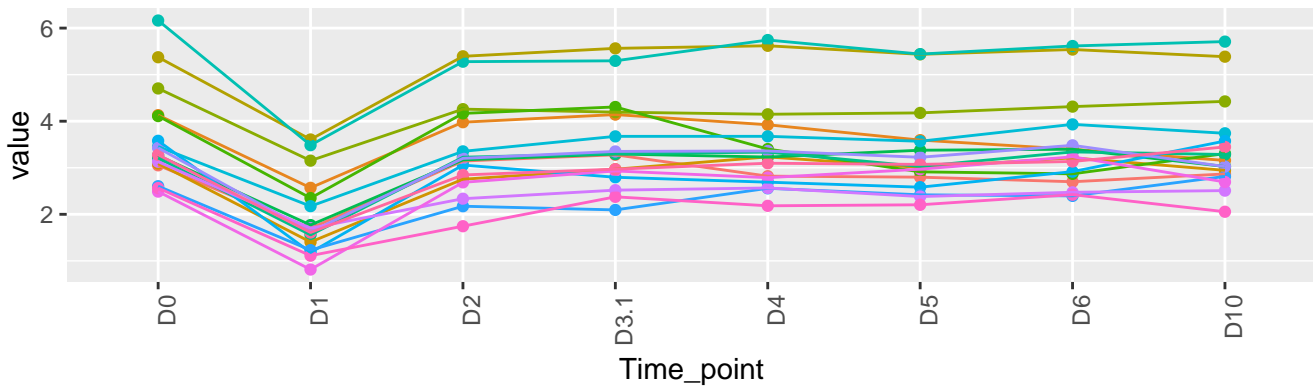
30 genes – WT-cluster-188-original



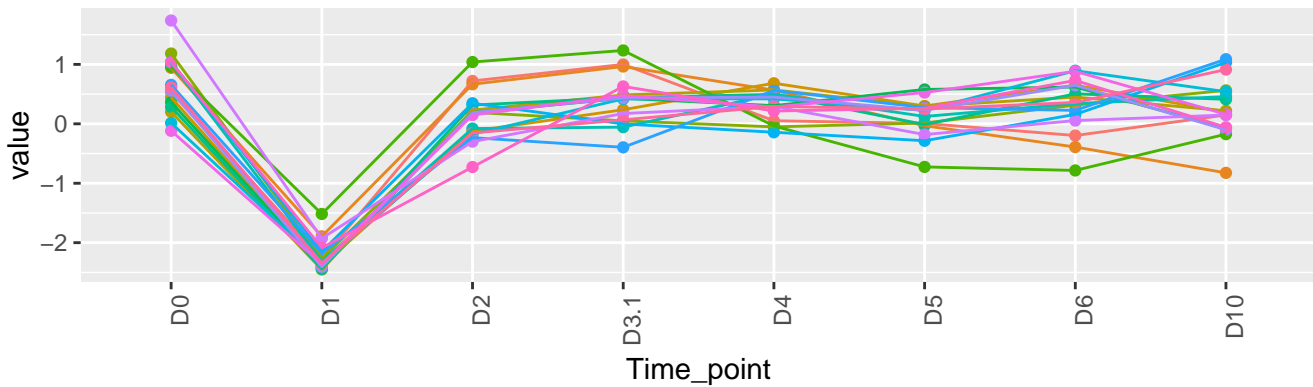
30 genes – WT-cluster-188-standardized



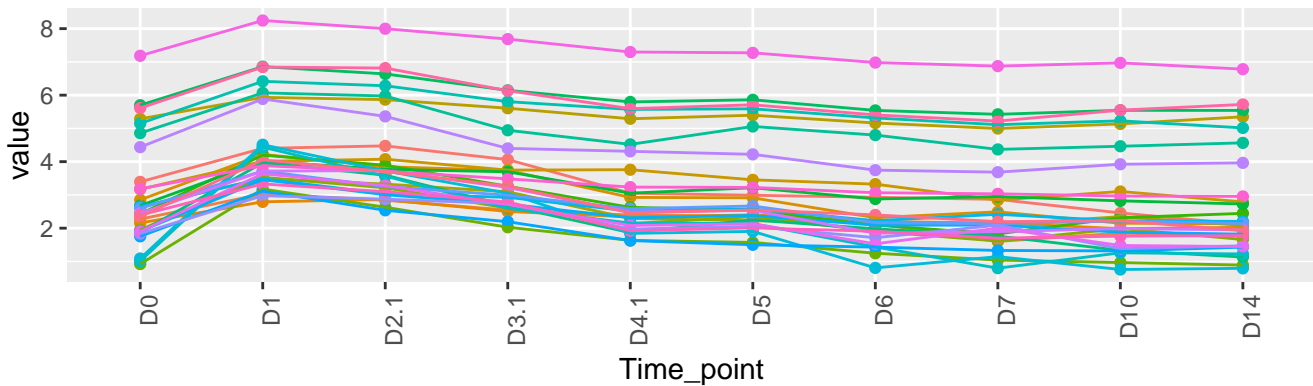
17 genes – KO-cluster-188-original



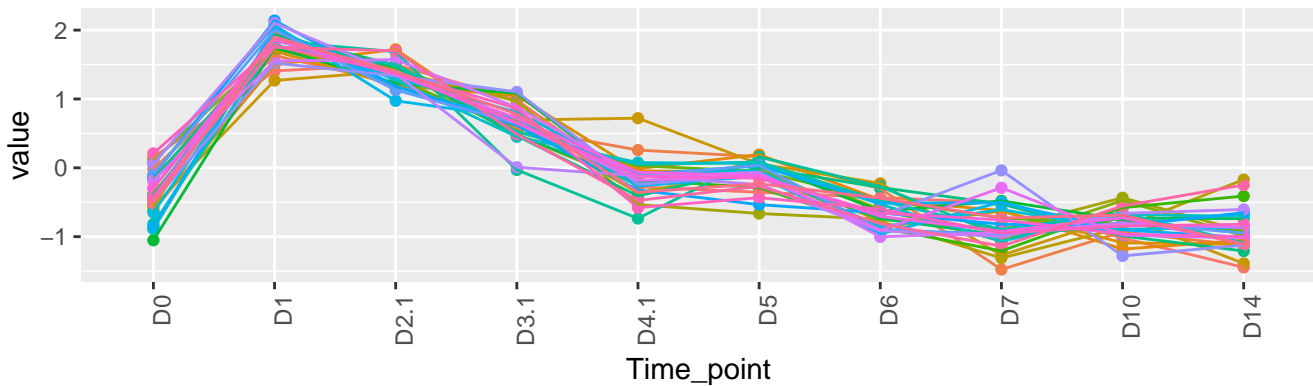
17 genes – KO-cluster-188-standardized



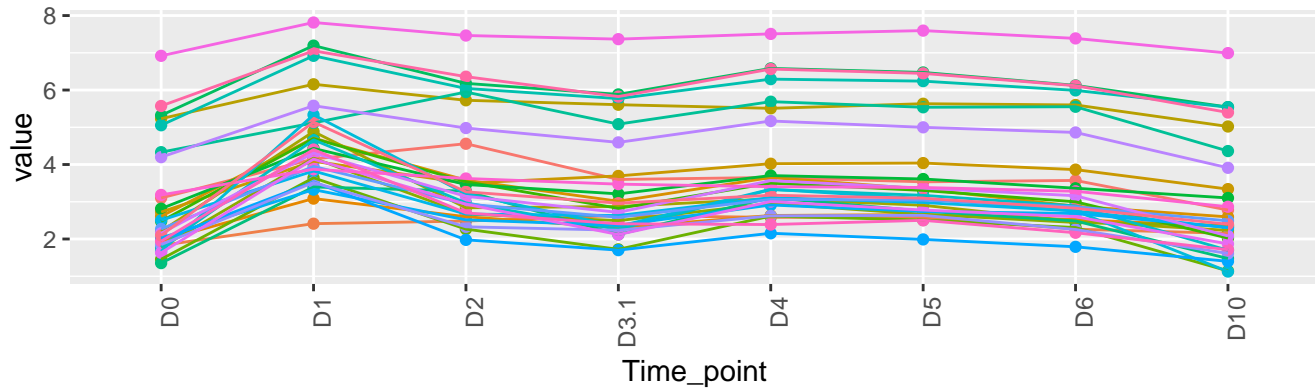
30 genes – WT-cluster-187-original



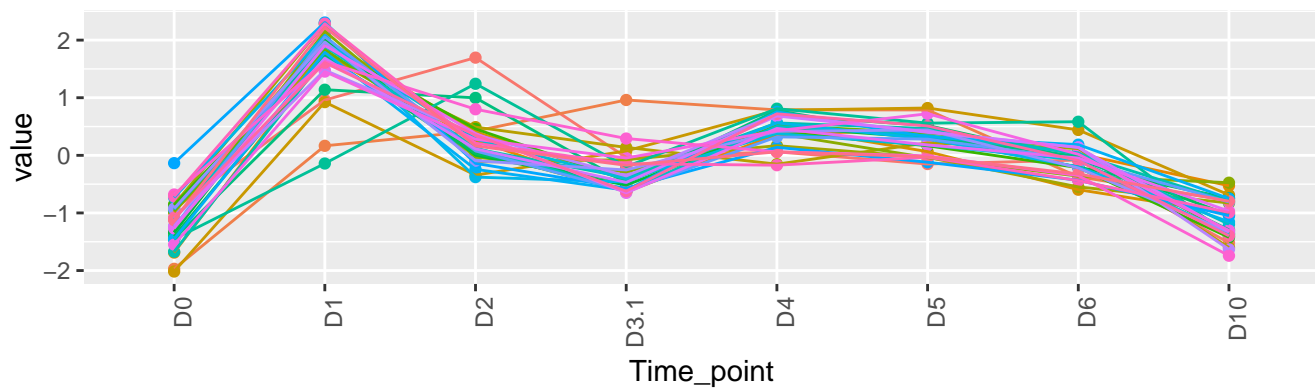
30 genes – WT-cluster-187-standardized



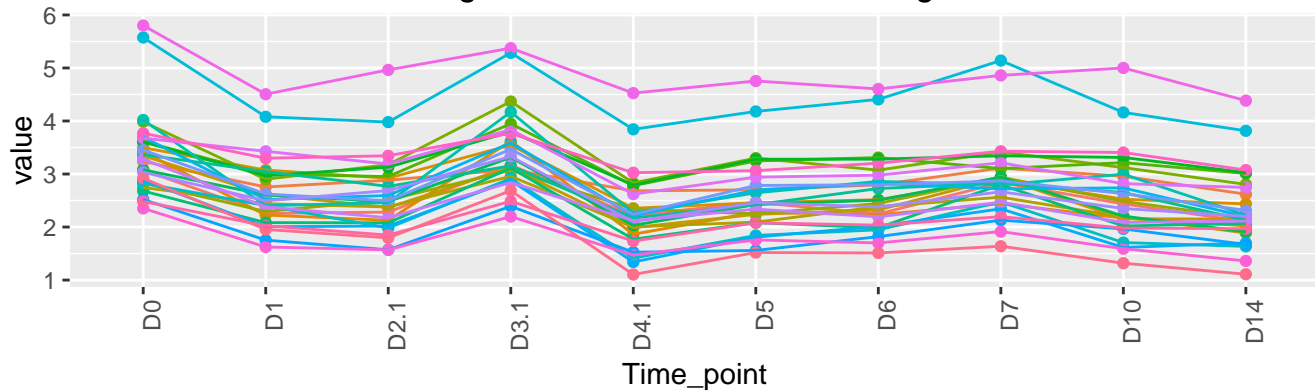
30 genes – KO-cluster-187-original



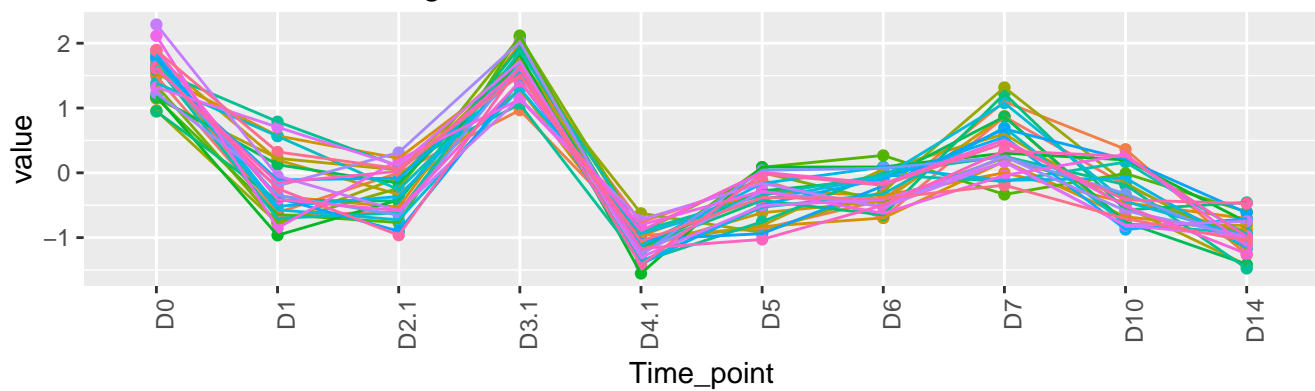
30 genes – KO-cluster-187-standardized



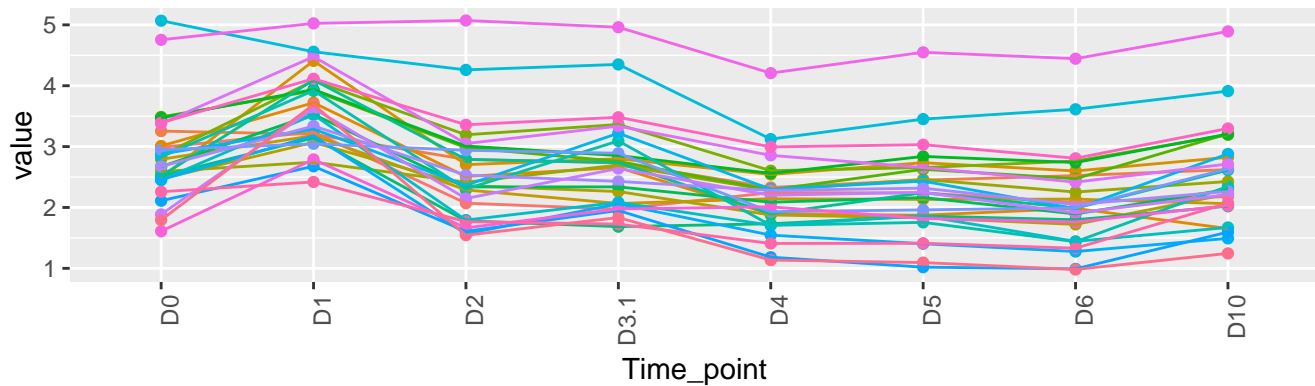
28 genes – WT-cluster-186-original



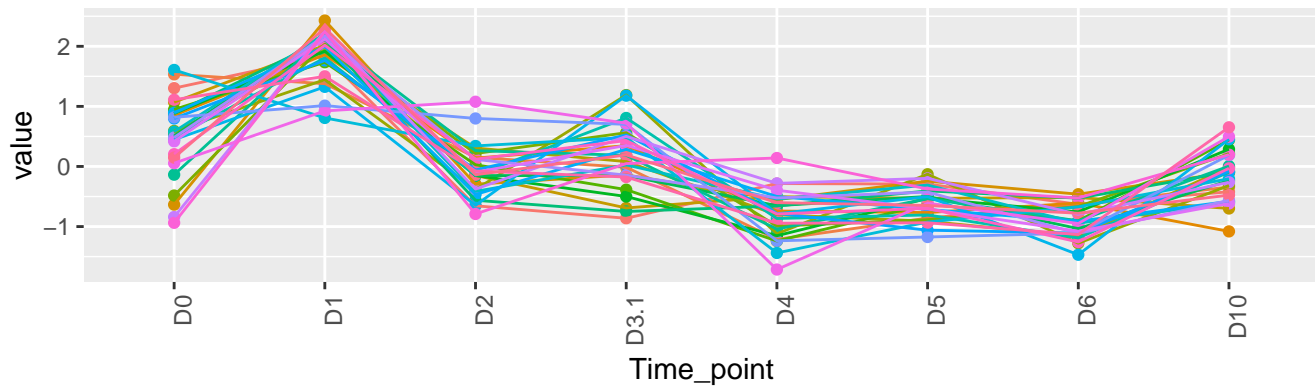
28 genes – WT-cluster-186-standardized



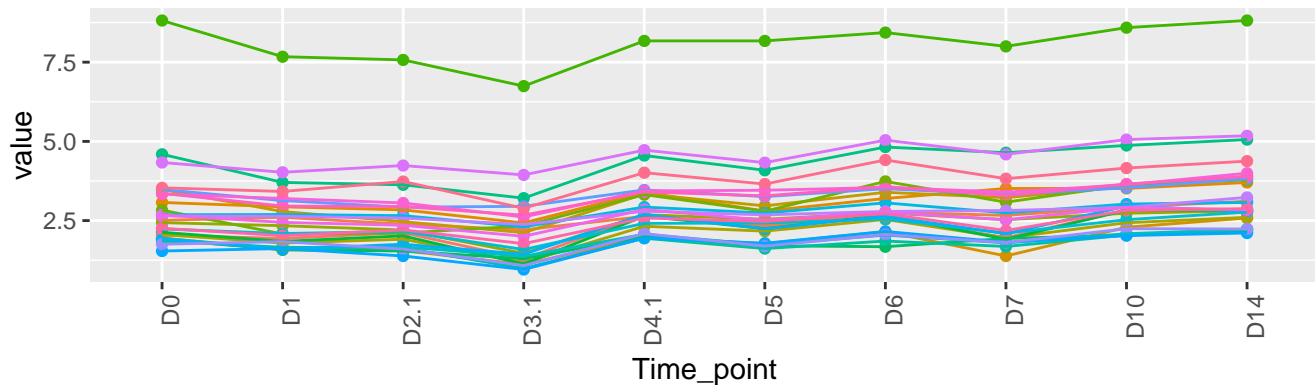
28 genes – KO-cluster-186-original



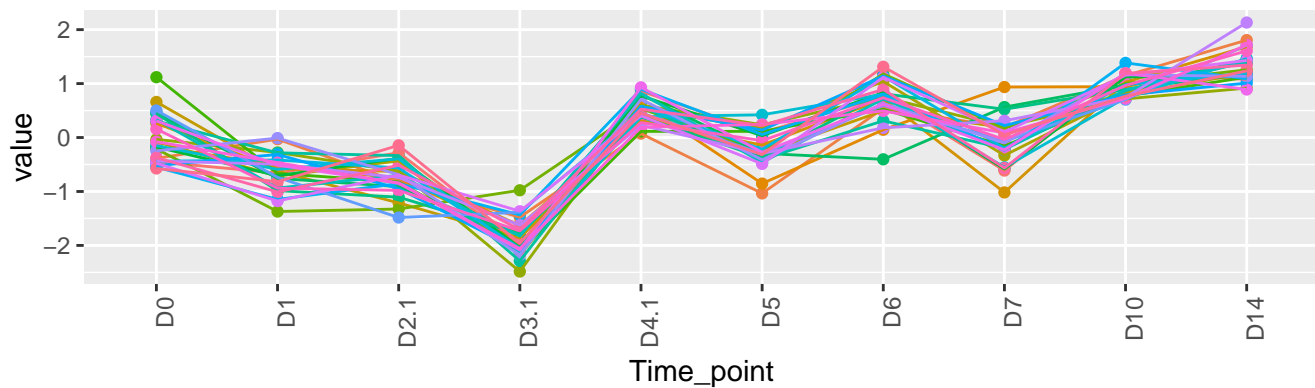
28 genes – KO-cluster-186-standardized



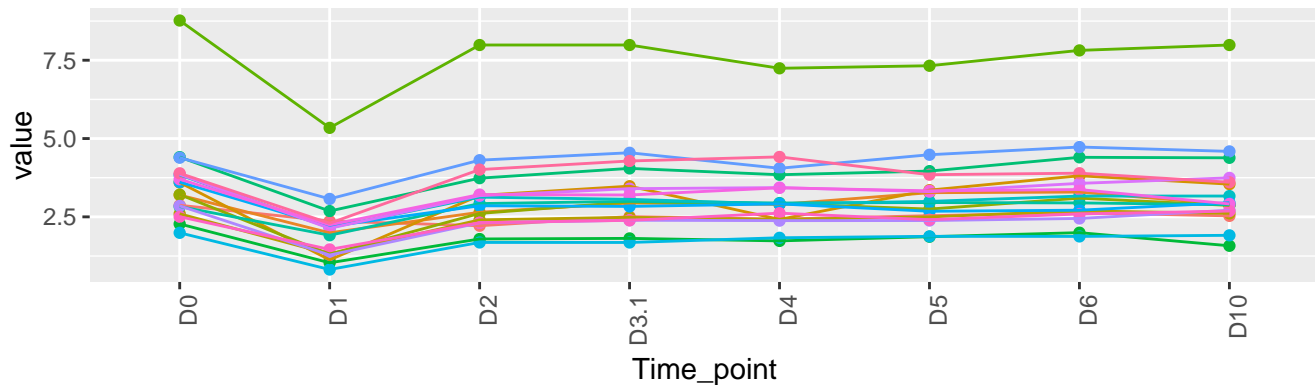
27 genes – WT-cluster-185-original



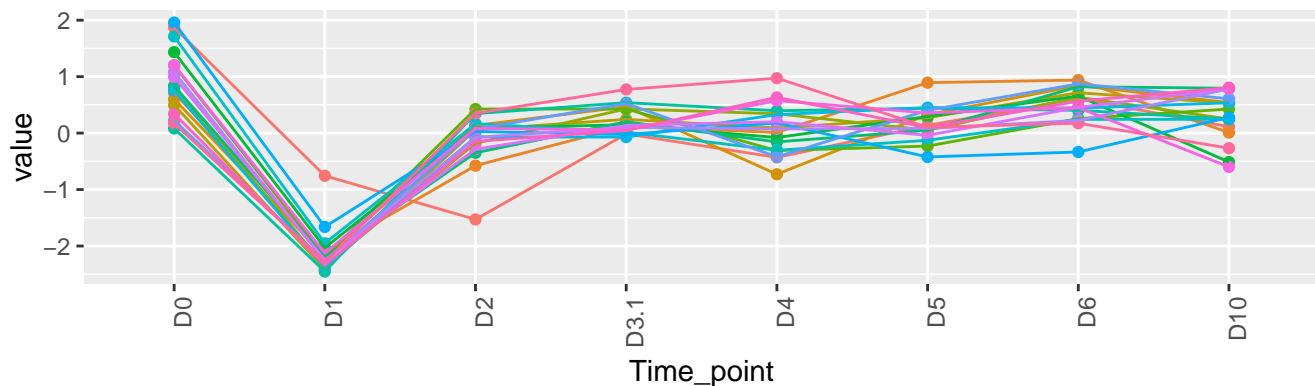
27 genes – WT-cluster-185-standardized



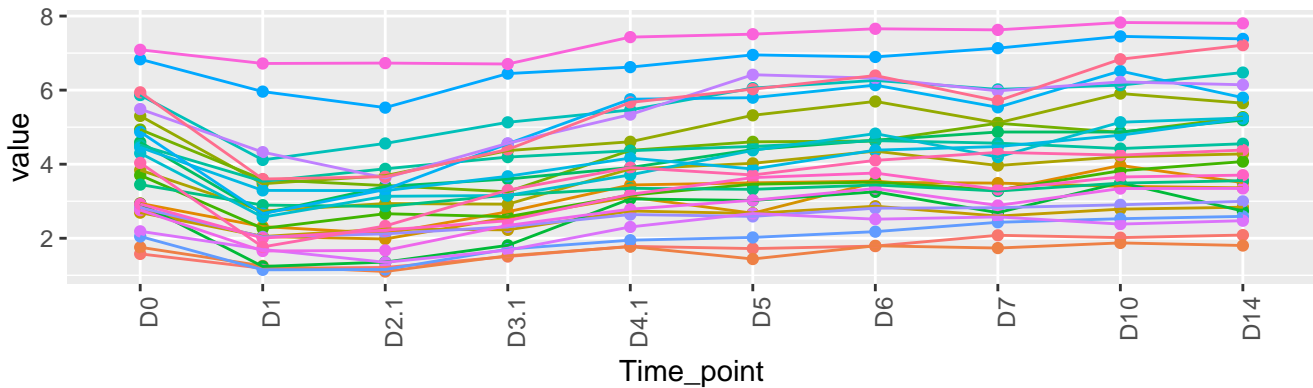
18 genes – KO-cluster-185-original



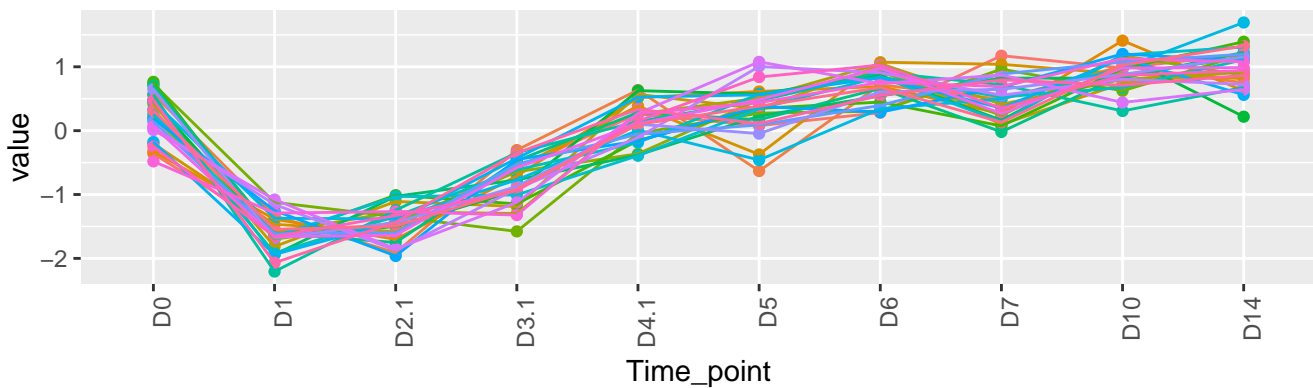
18 genes – KO-cluster-185-standardized



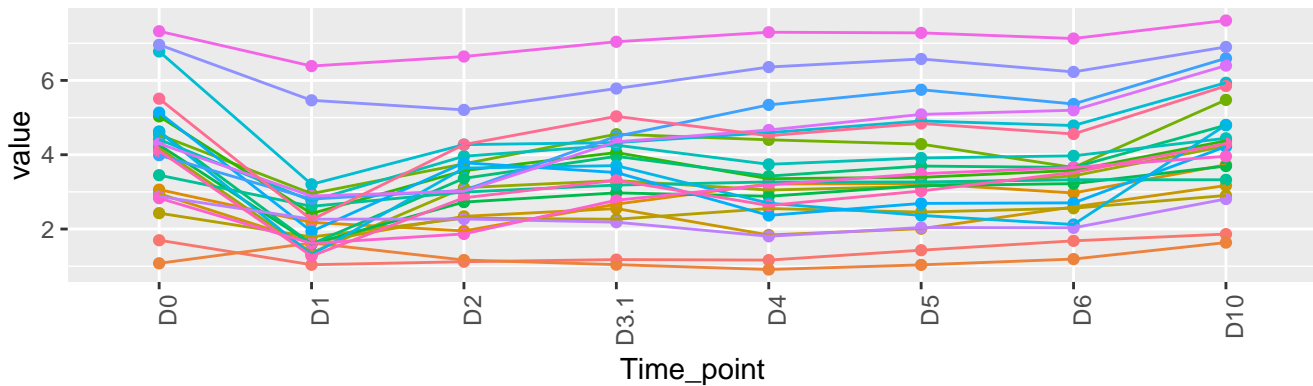
27 genes – WT-cluster-184-original



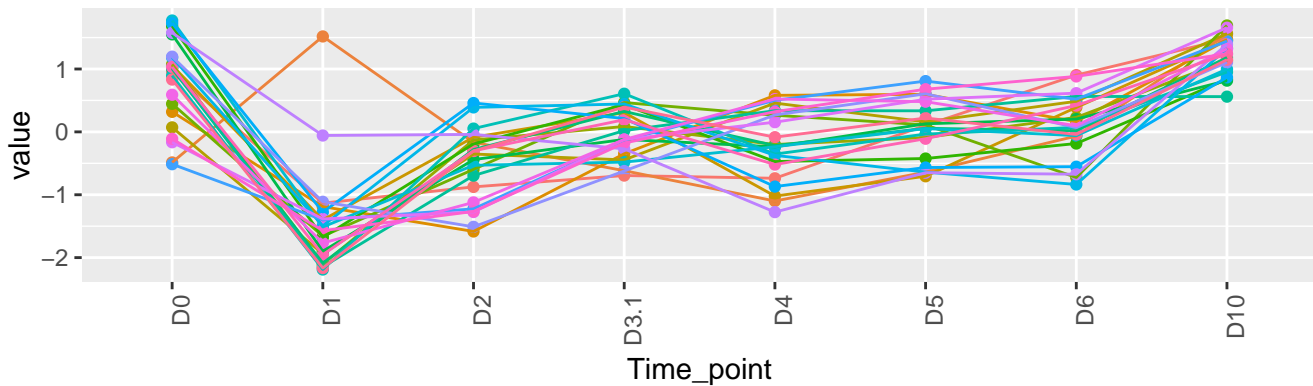
27 genes – WT-cluster-184-standardized



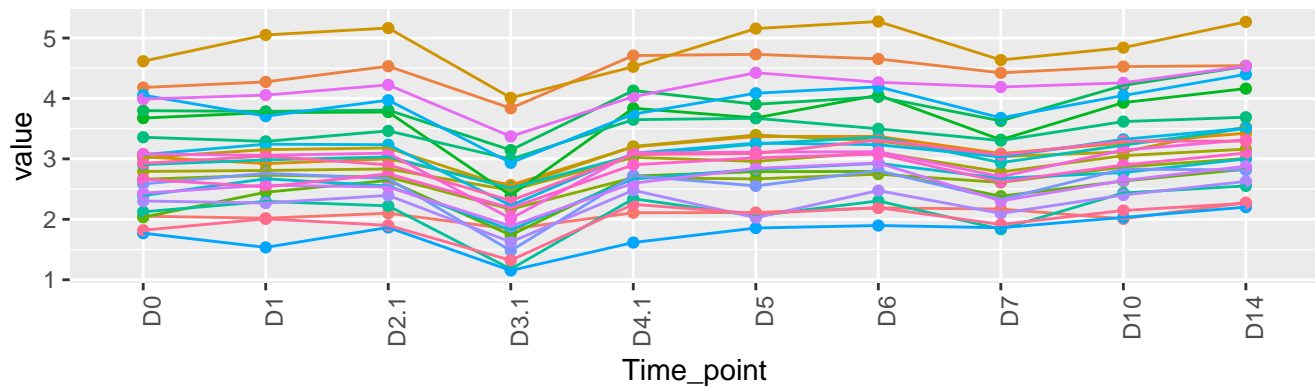
23 genes – KO-cluster-184-original



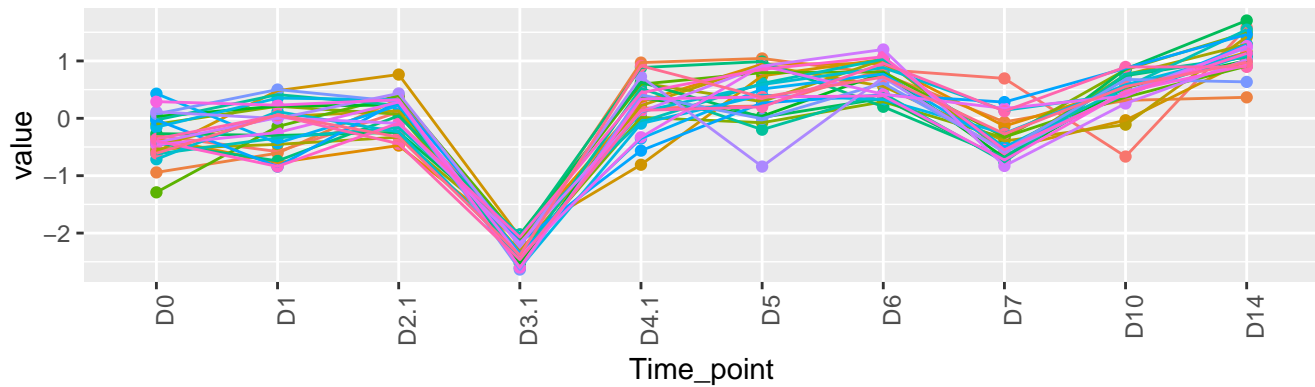
23 genes – KO-cluster-184-standardized



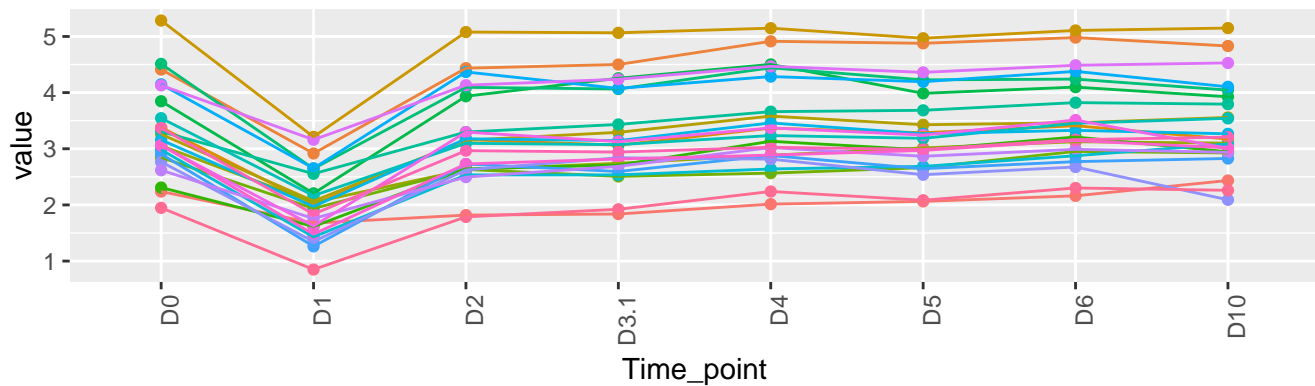
25 genes – WT-cluster-183-original



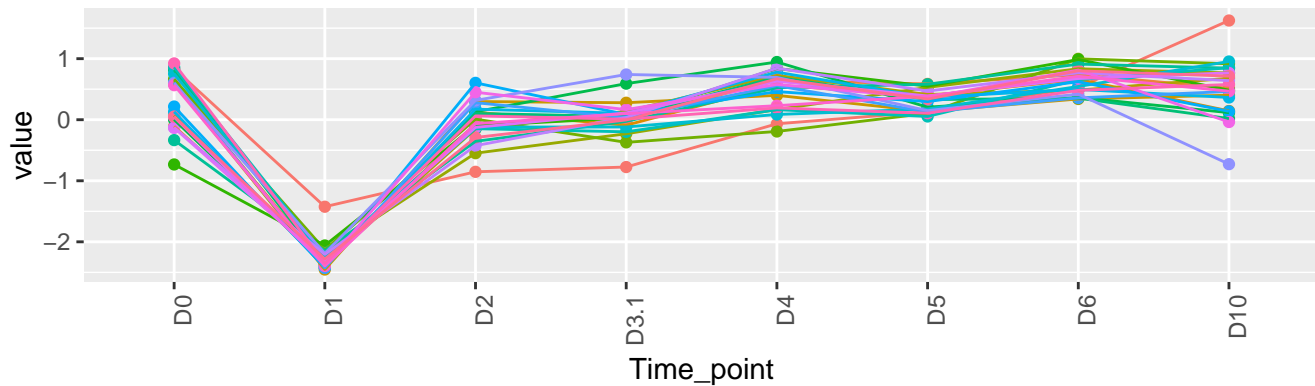
25 genes – WT-cluster-183-standardized



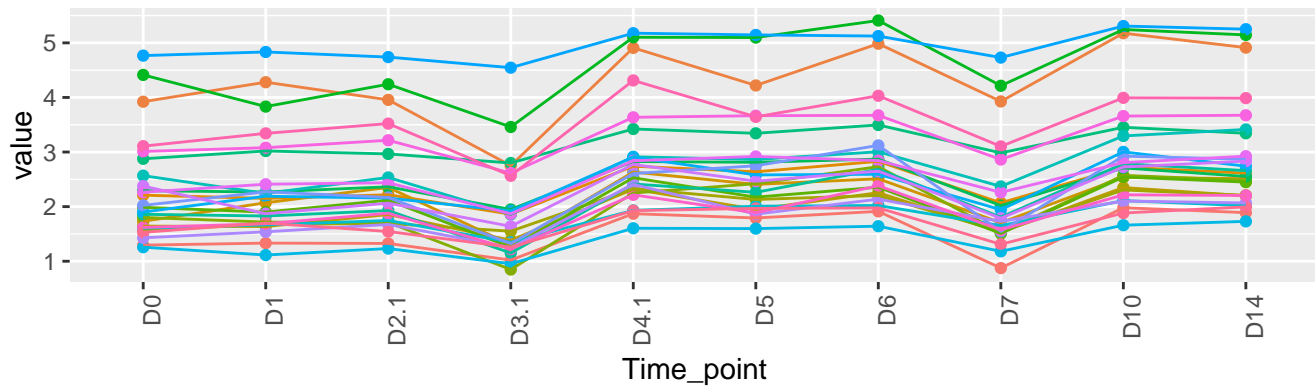
23 genes – KO-cluster-183-original



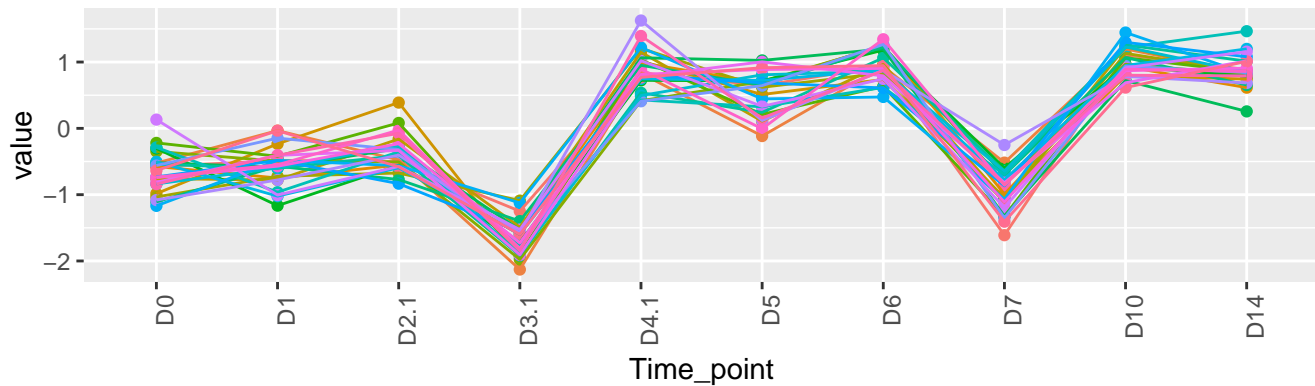
23 genes – KO-cluster-183-standardized



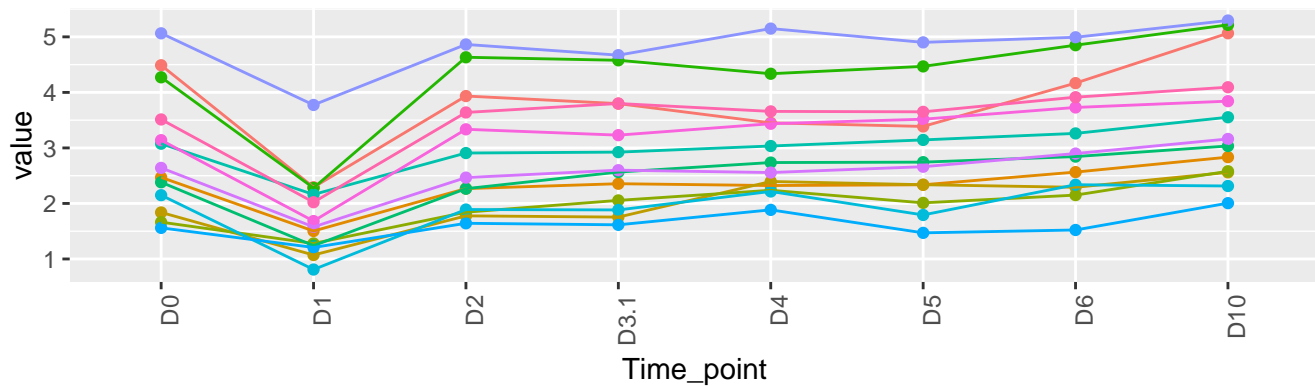
25 genes – WT-cluster-182-original



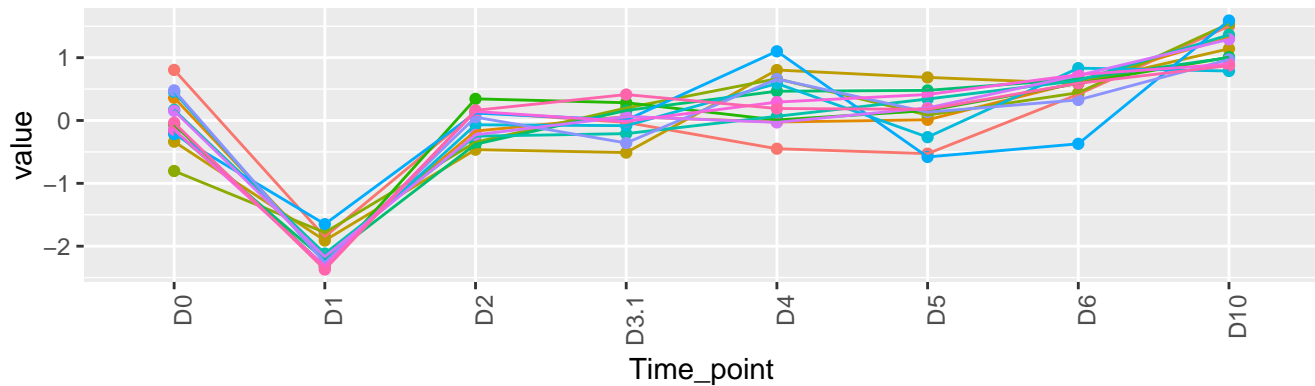
25 genes – WT-cluster-182-standardized



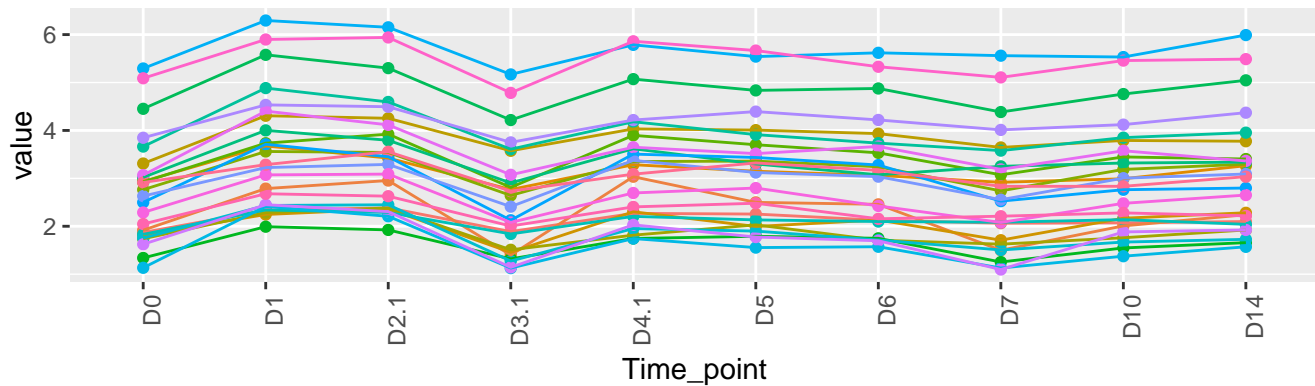
13 genes – KO-cluster-182-original



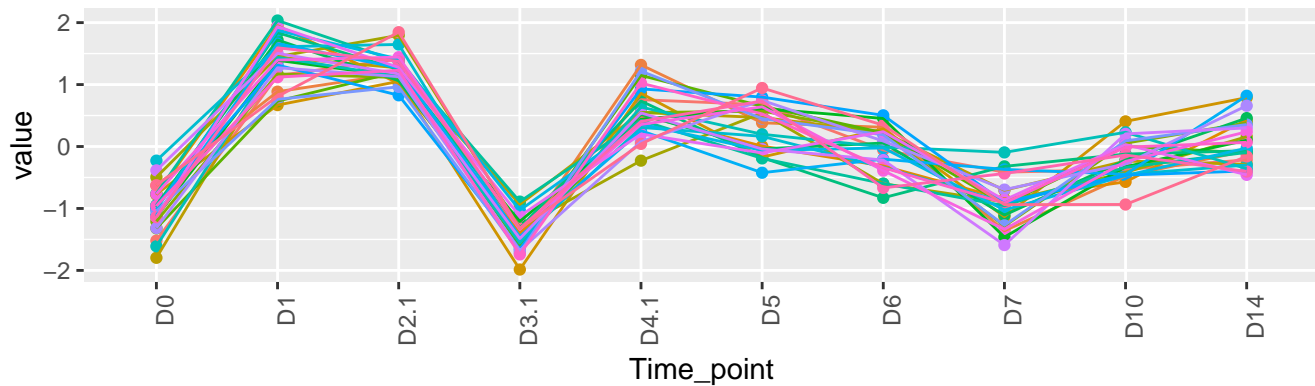
13 genes – KO-cluster-182-standardized



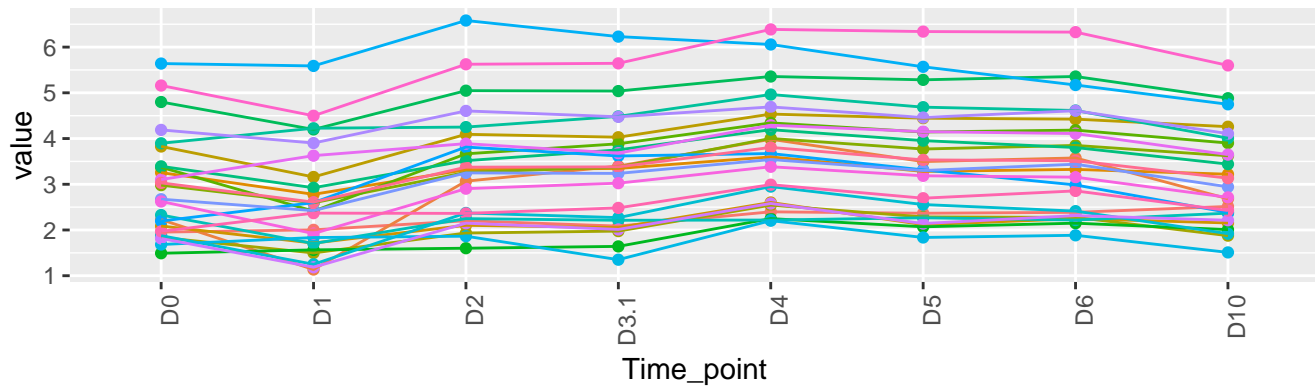
25 genes – WT-cluster-181-original



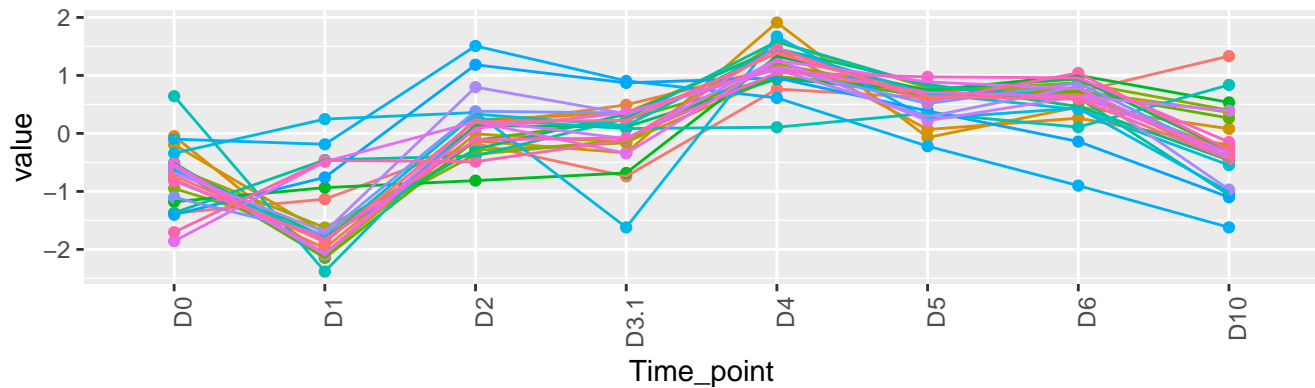
25 genes – WT-cluster-181-standardized



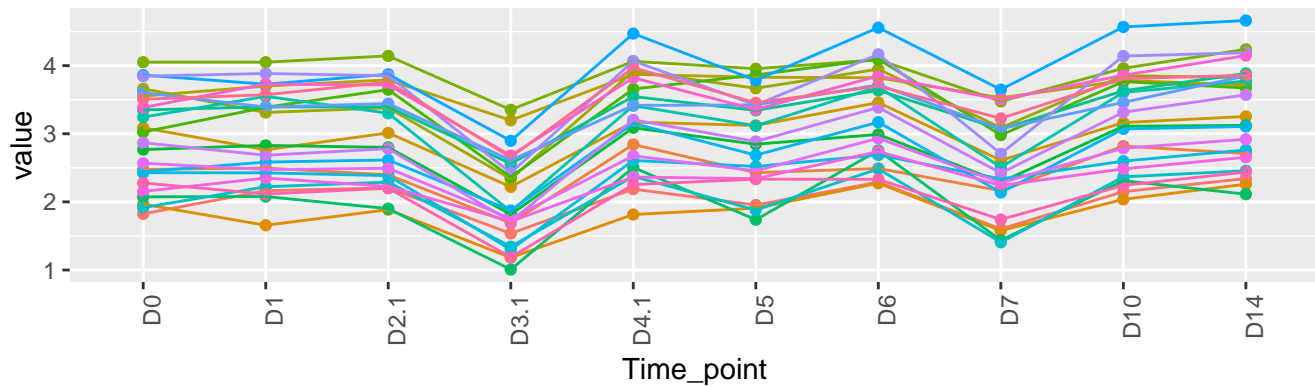
25 genes – KO-cluster-181-original



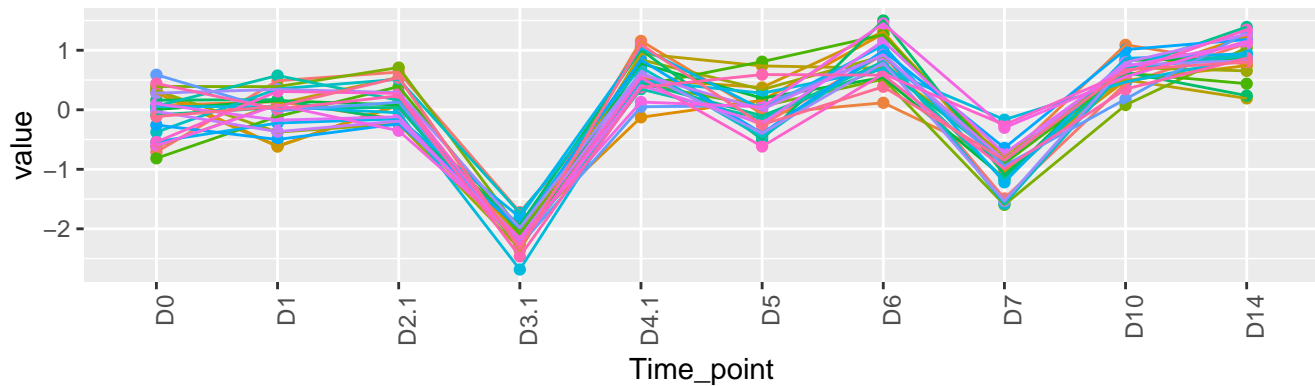
25 genes – KO-cluster-181-standardized



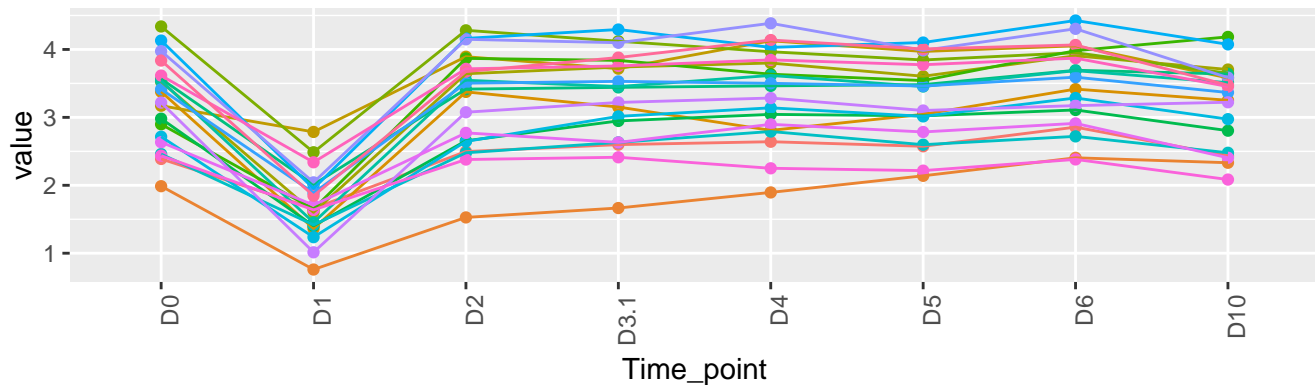
24 genes – WT-cluster-180-original



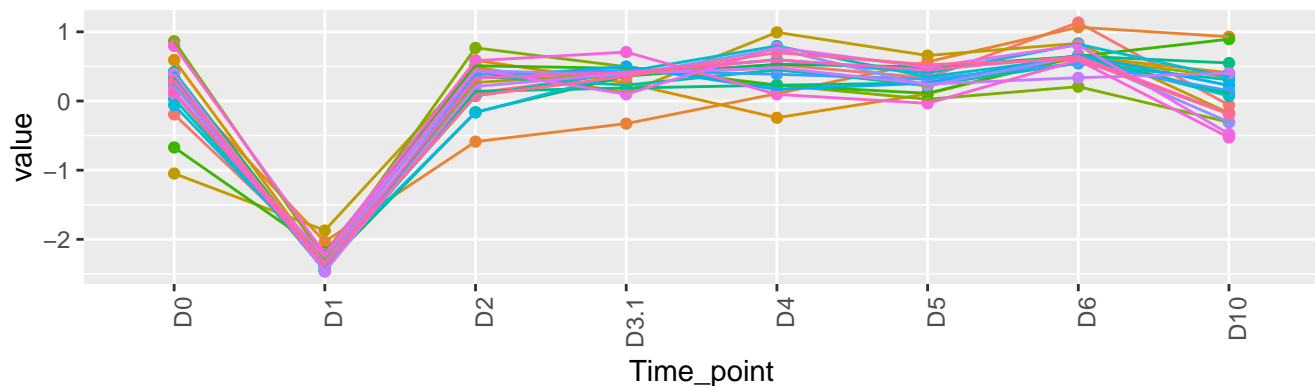
24 genes – WT-cluster-180-standardized



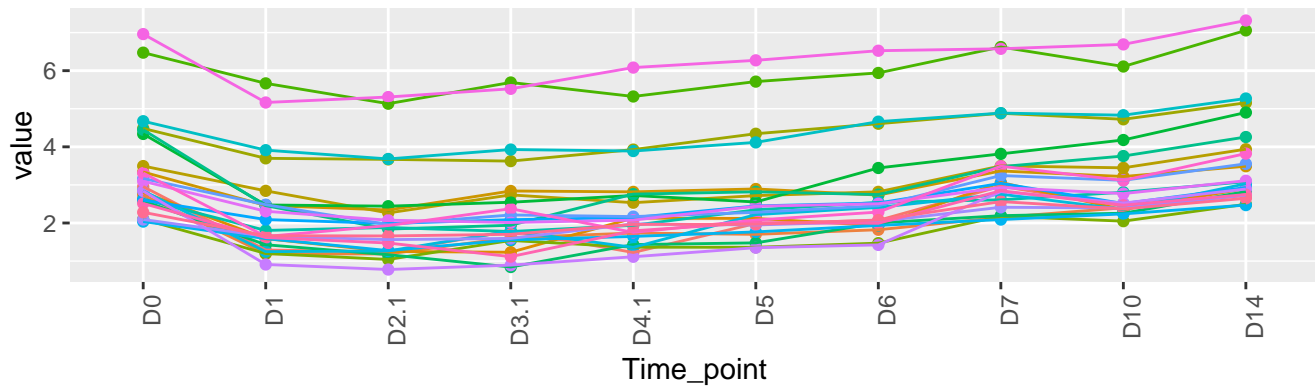
20 genes – KO-cluster-180-original



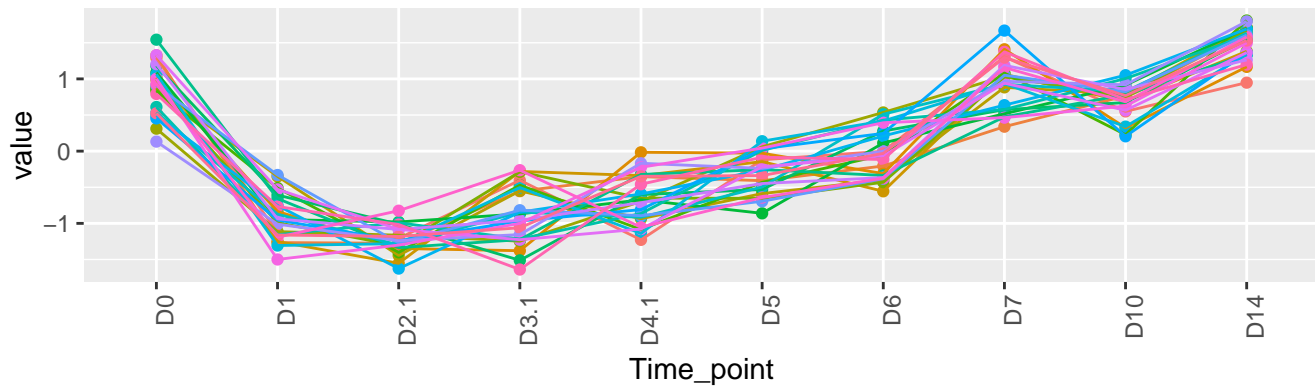
20 genes – KO-cluster-180-standardized



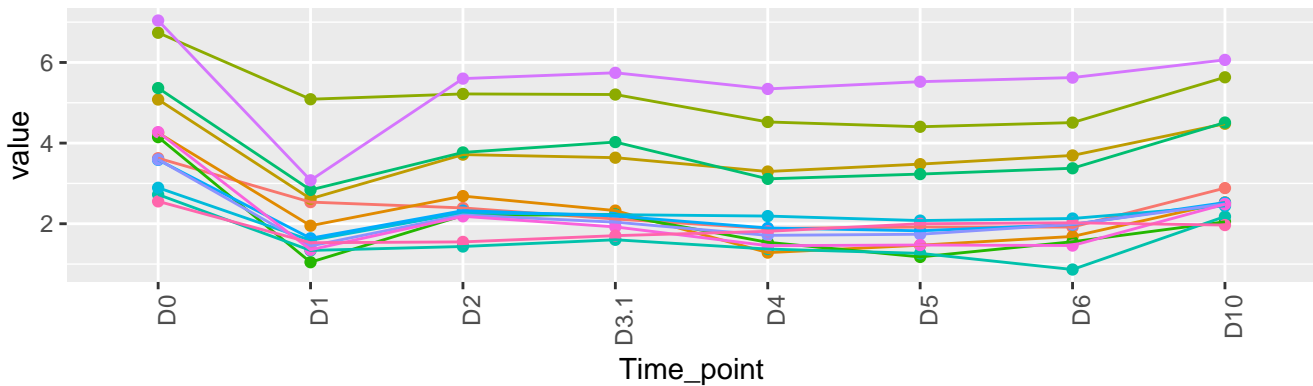
24 genes – WT-cluster-179-original



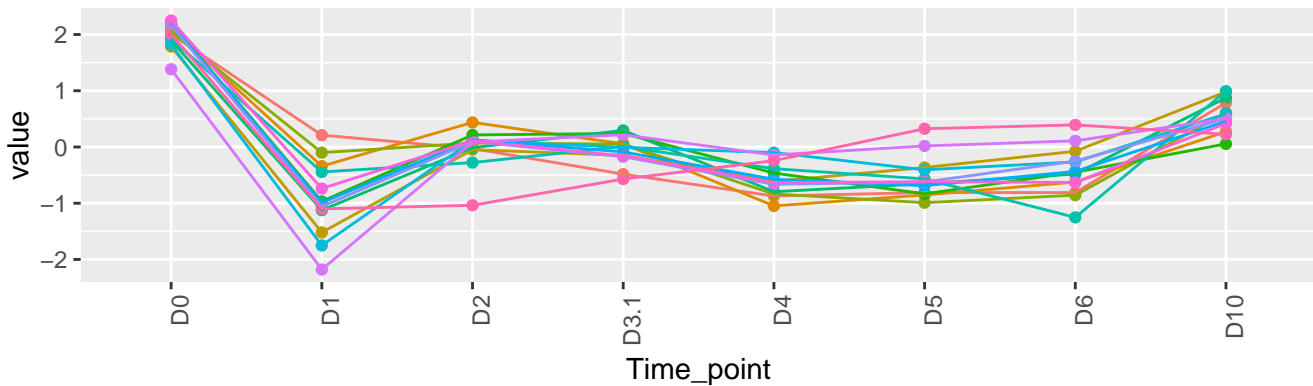
24 genes – WT-cluster-179-standardized



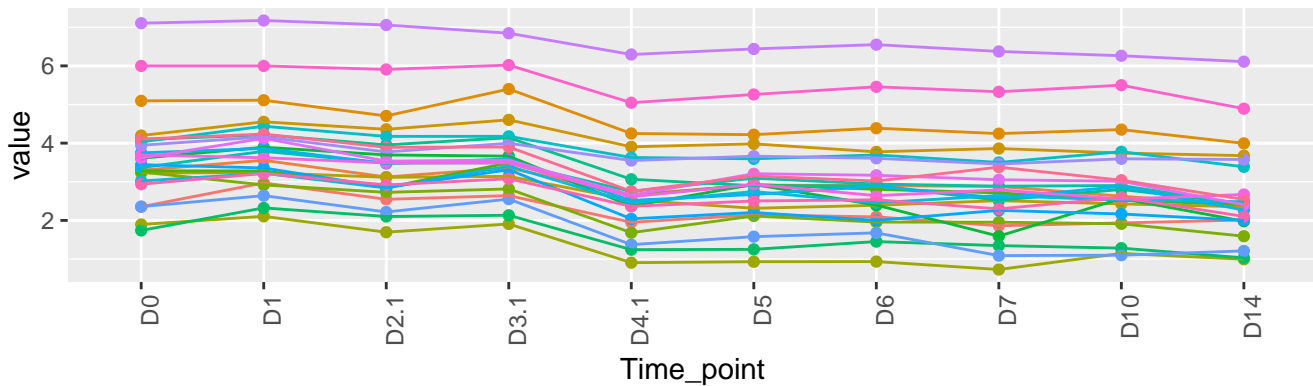
13 genes – KO-cluster-179–original



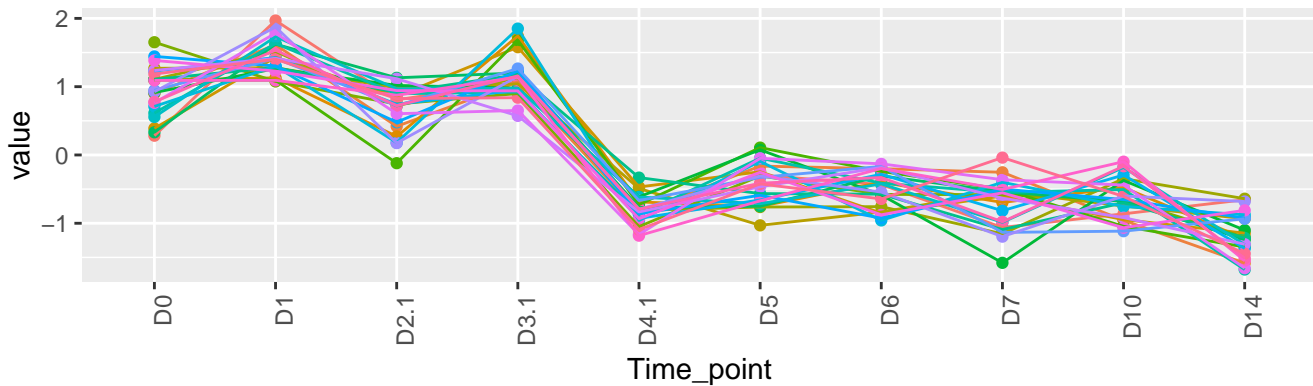
13 genes – KO-cluster-179–standardized



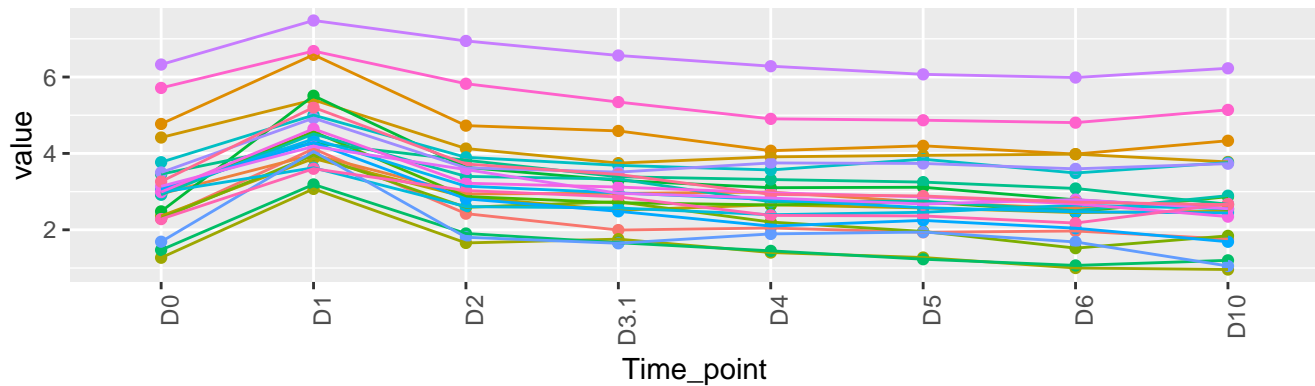
24 genes – WT-cluster-178-original



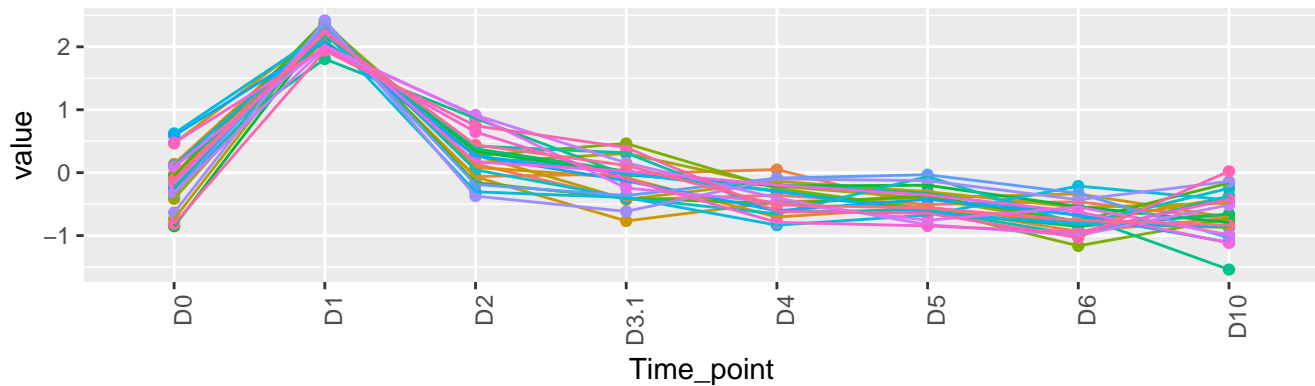
24 genes – WT-cluster-178-standardized



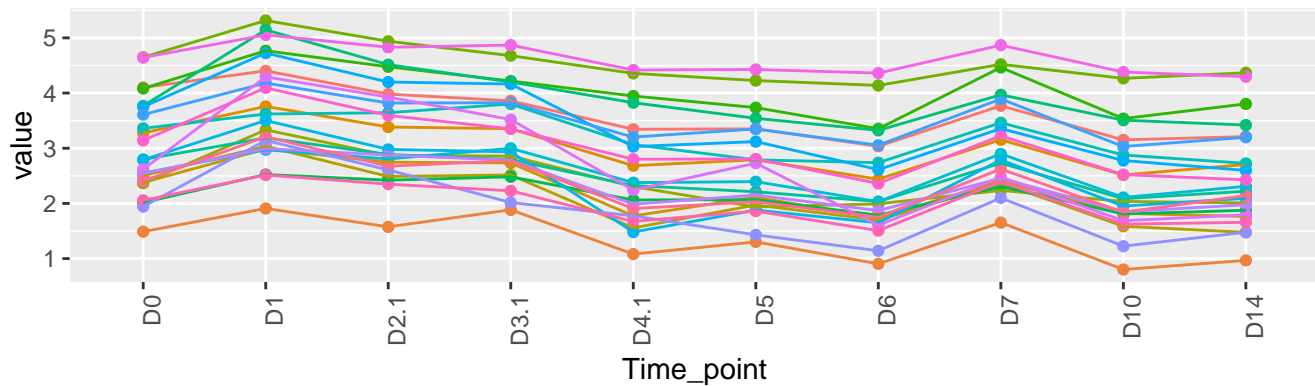
24 genes – KO-cluster-178-original



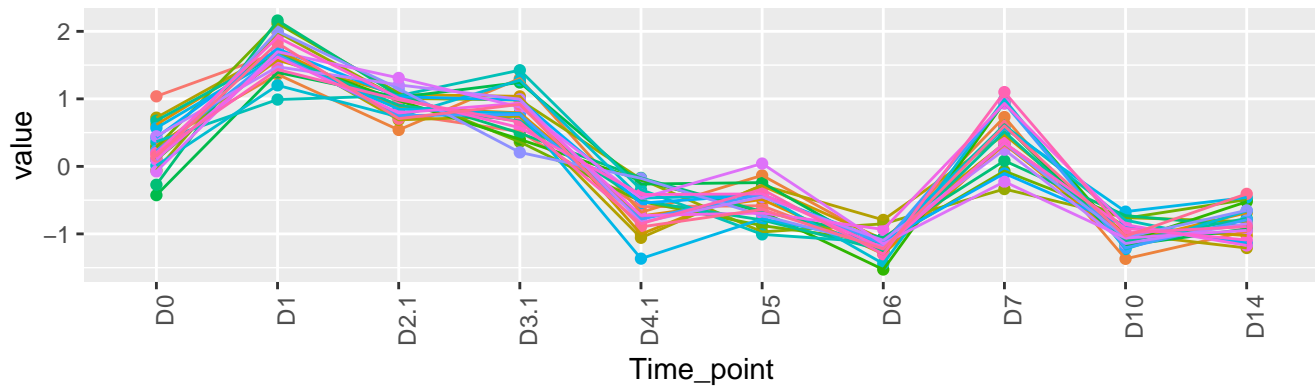
24 genes – KO-cluster-178-standardized



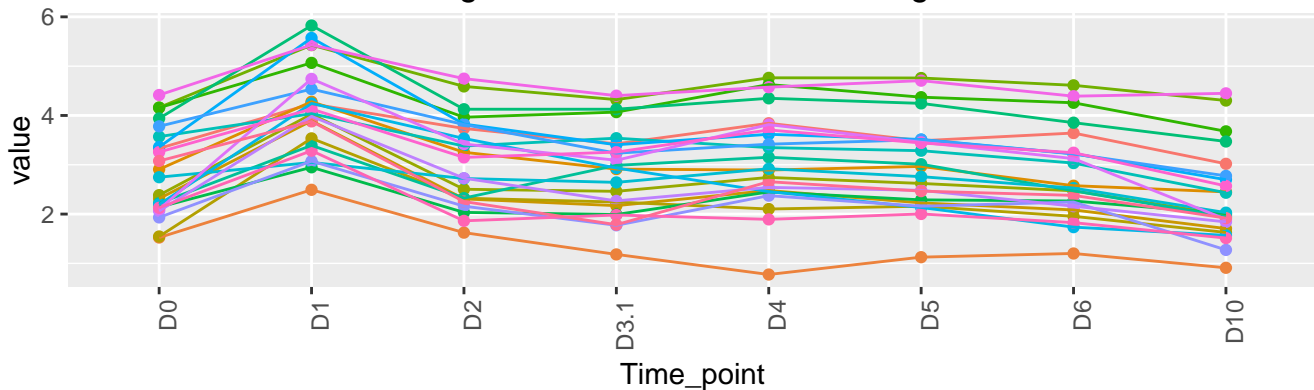
23 genes – WT-cluster-177-original



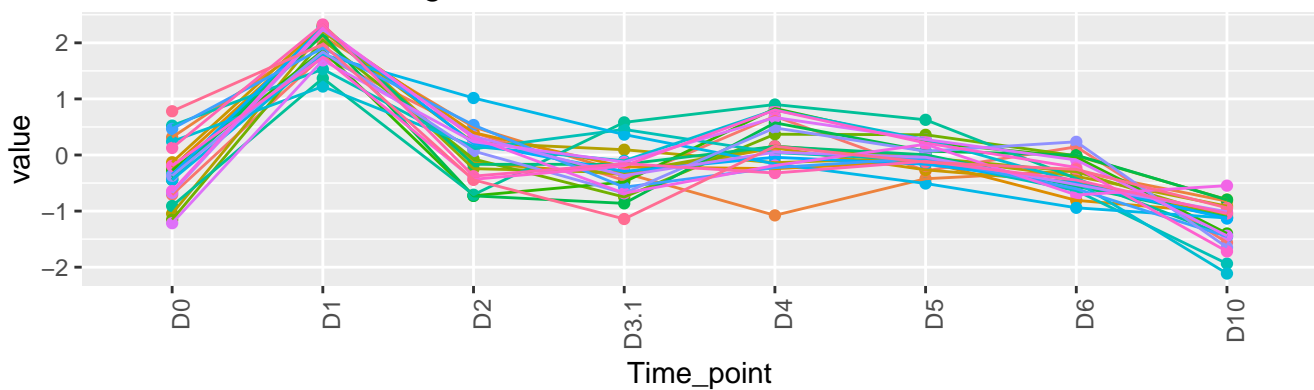
23 genes – WT-cluster-177-standardized



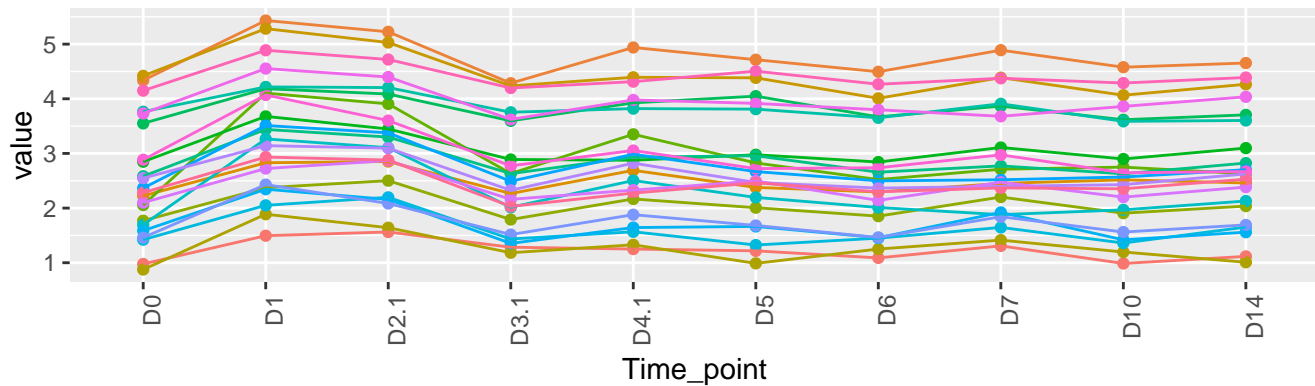
23 genes – KO-cluster-177-original



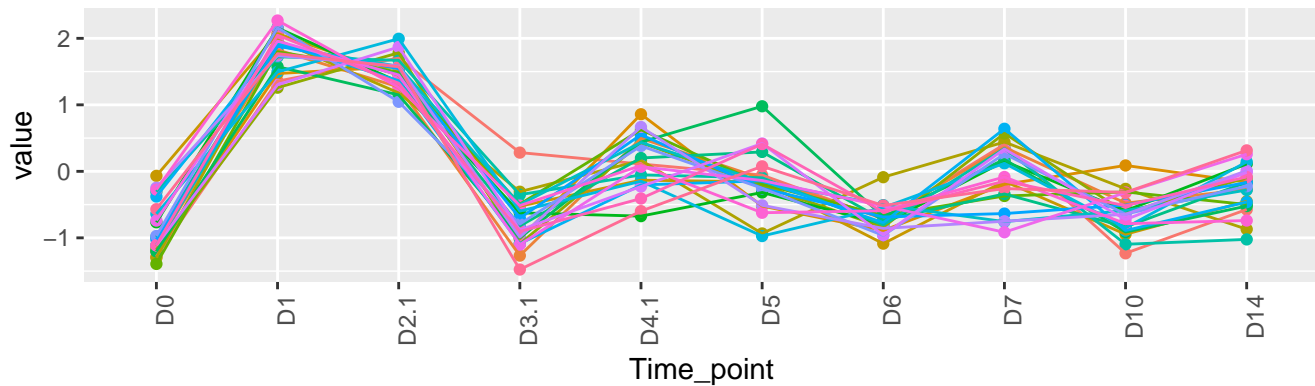
23 genes – KO-cluster-177-standardized



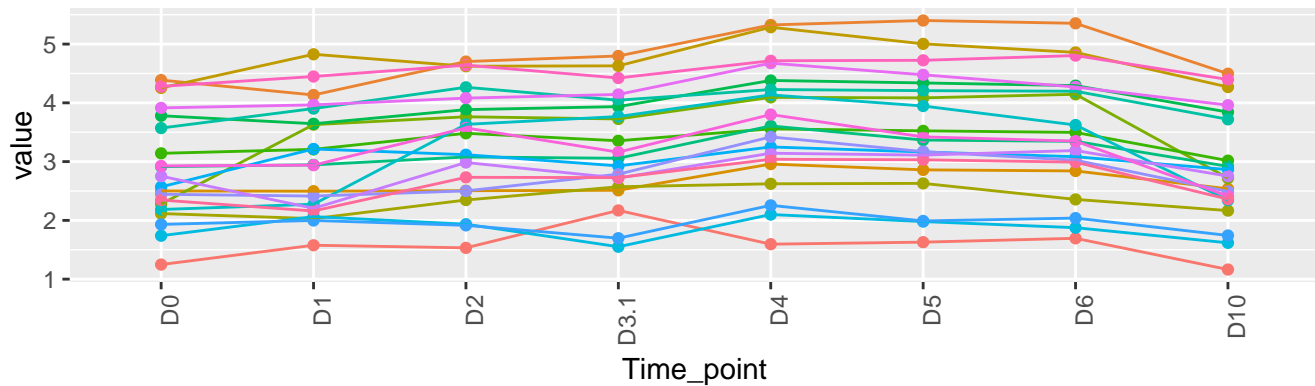
22 genes – WT-cluster-176-original



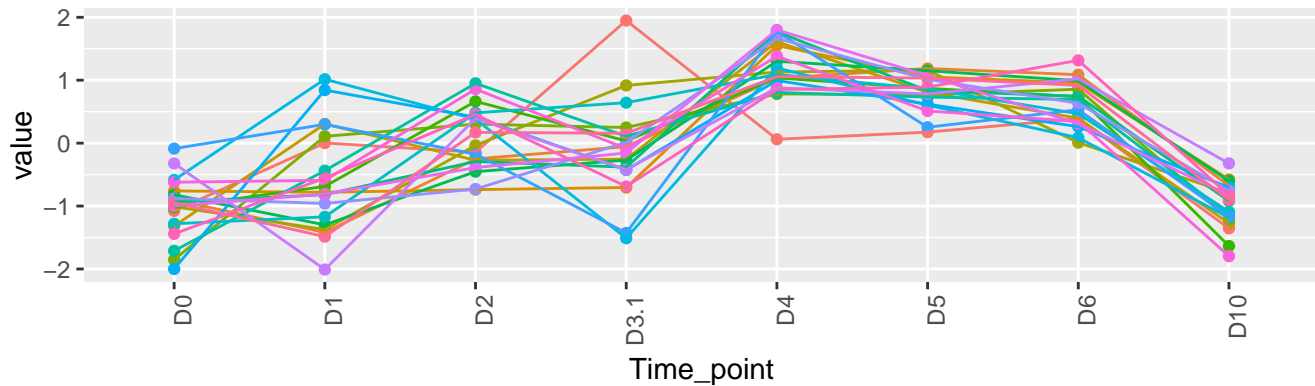
22 genes – WT-cluster-176-standardized



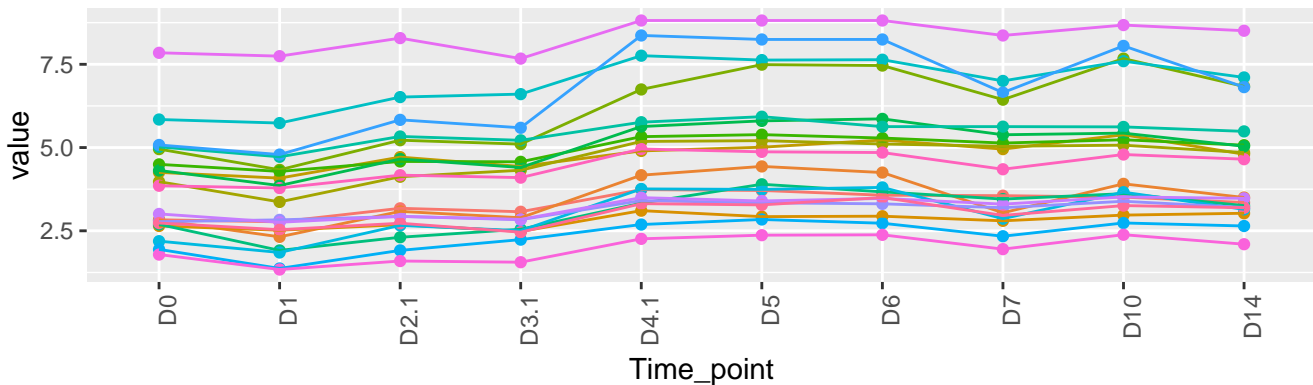
20 genes – KO-cluster-176-original



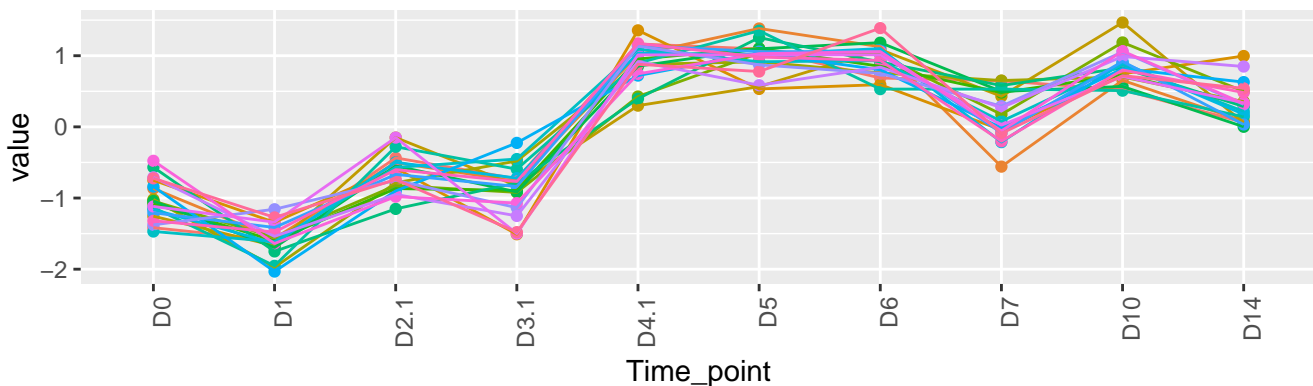
20 genes – KO-cluster-176-standardized



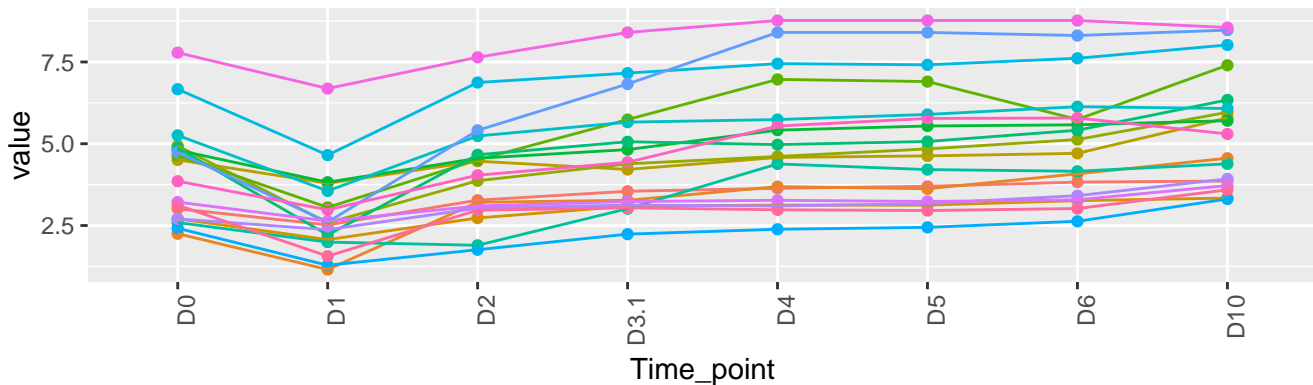
20 genes – WT-cluster-175-original



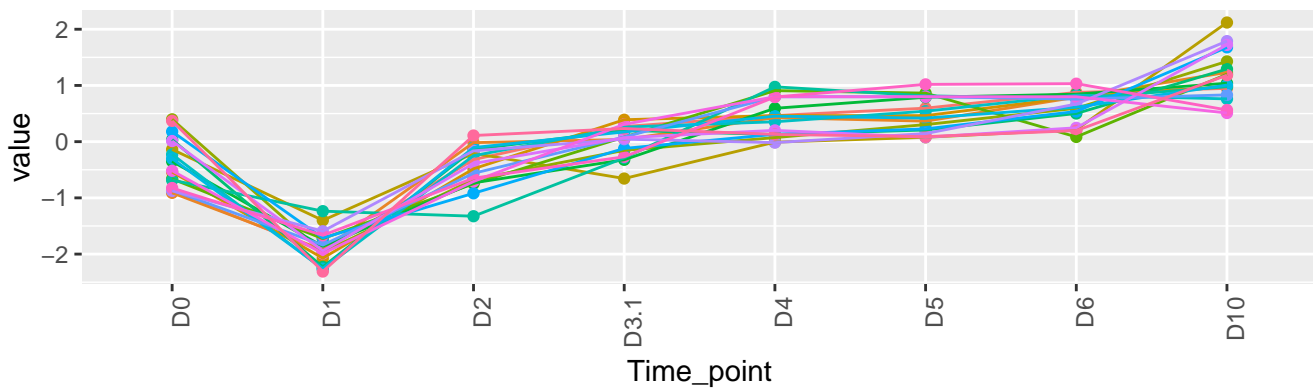
20 genes – WT-cluster-175-standardized



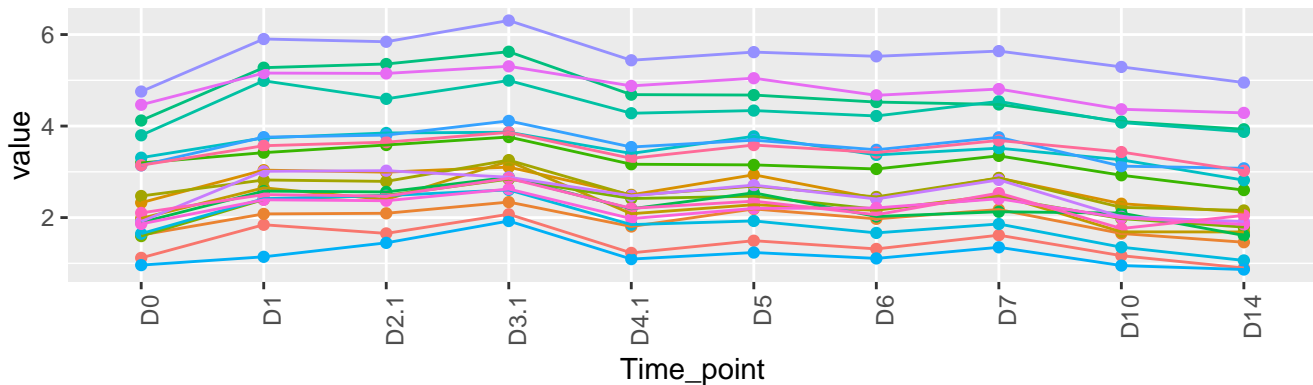
18 genes – KO-cluster-175-original



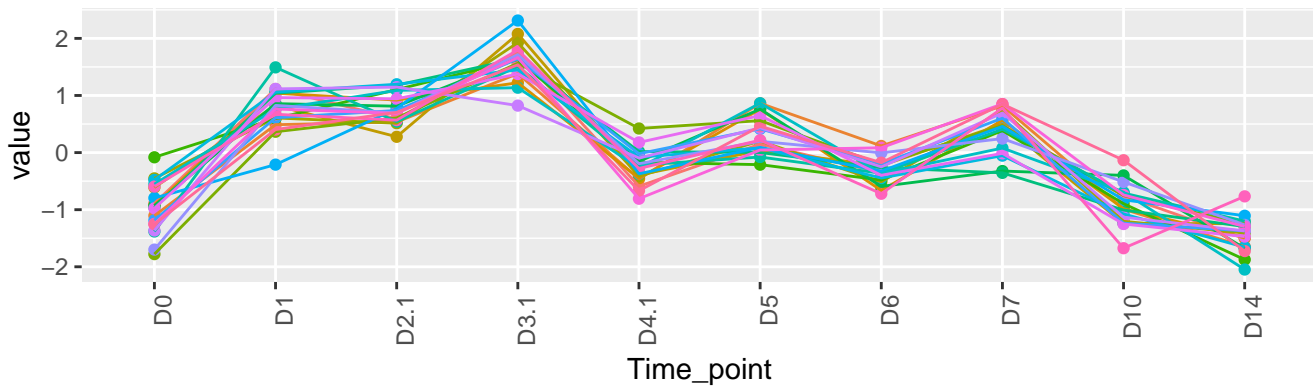
18 genes – KO-cluster-175-standardized



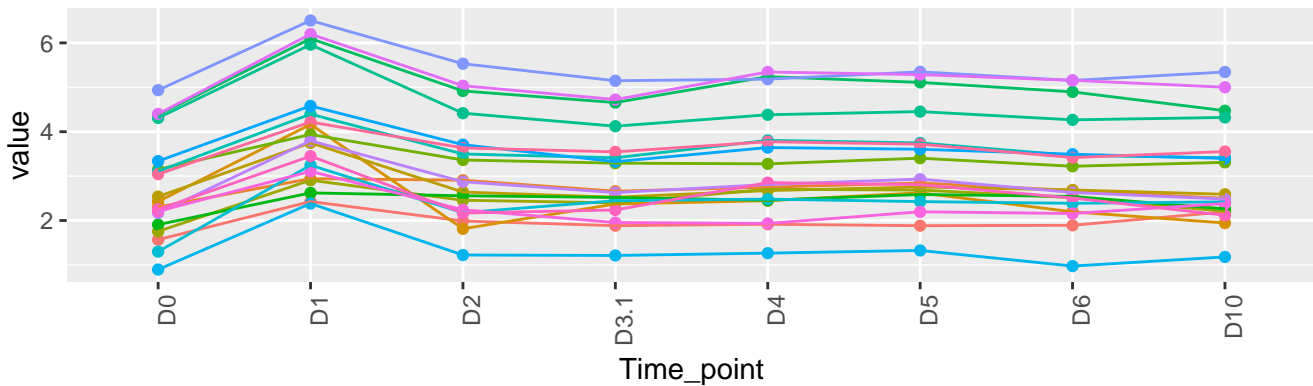
20 genes – WT-cluster-174-original



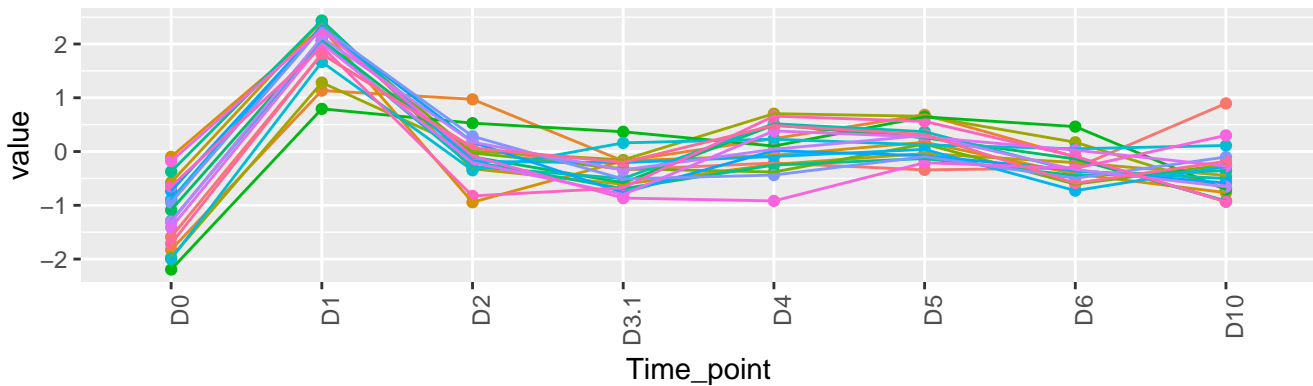
20 genes – WT-cluster-174-standardized



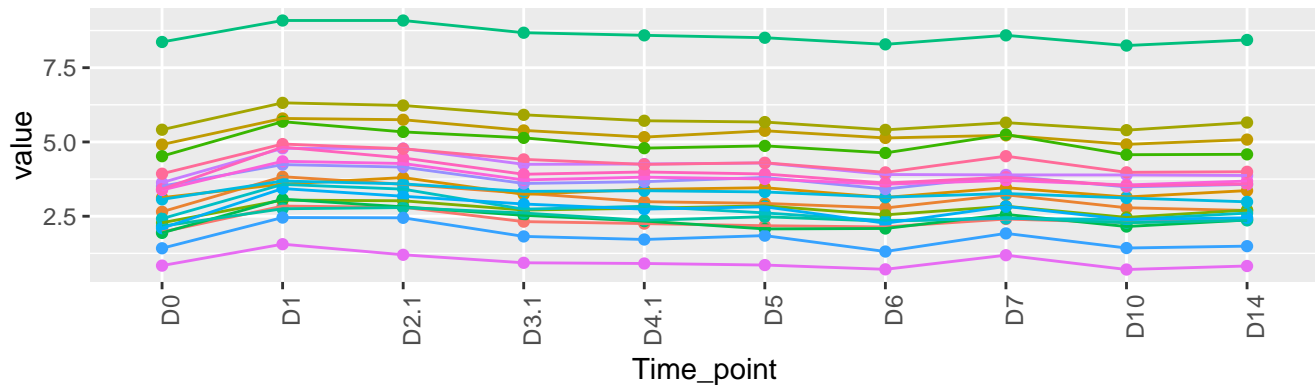
19 genes – KO-cluster-174-original



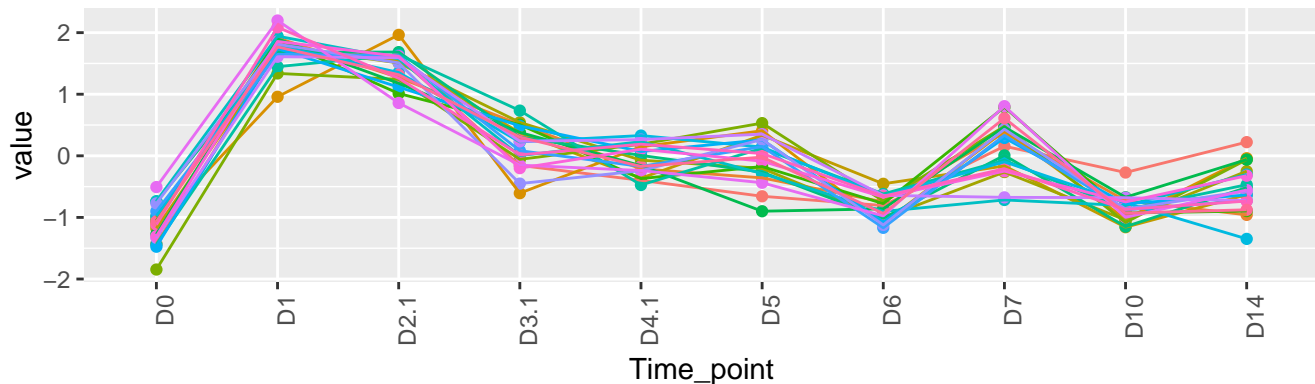
19 genes – KO-cluster-174-standardized



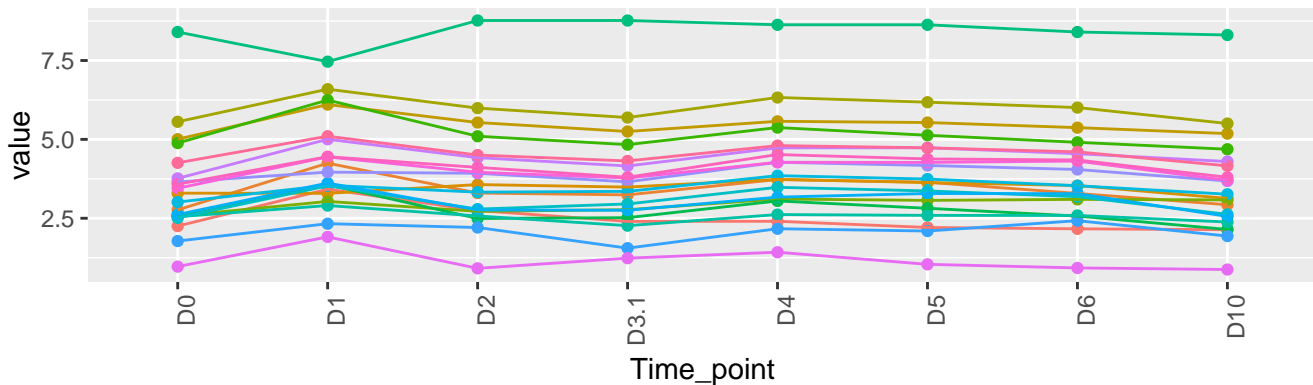
20 genes – WT-cluster-173-original



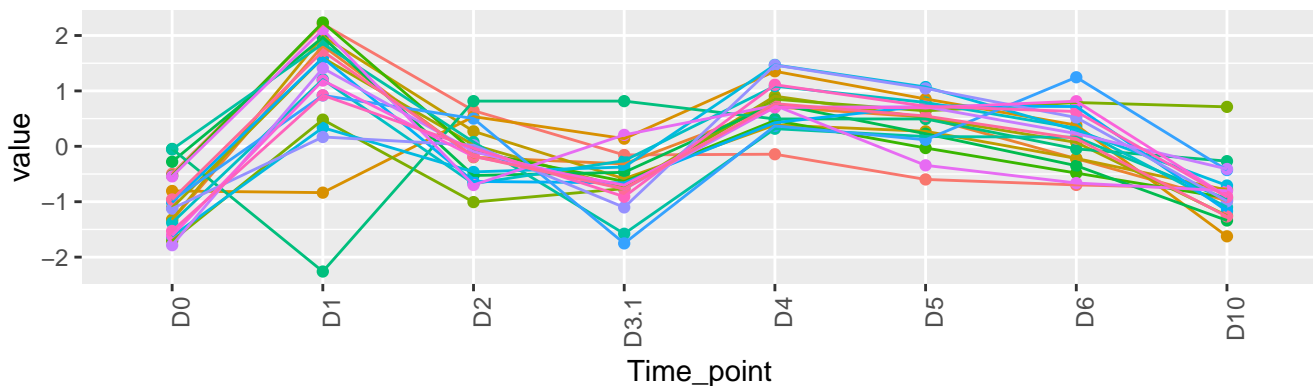
20 genes – WT-cluster-173-standardized



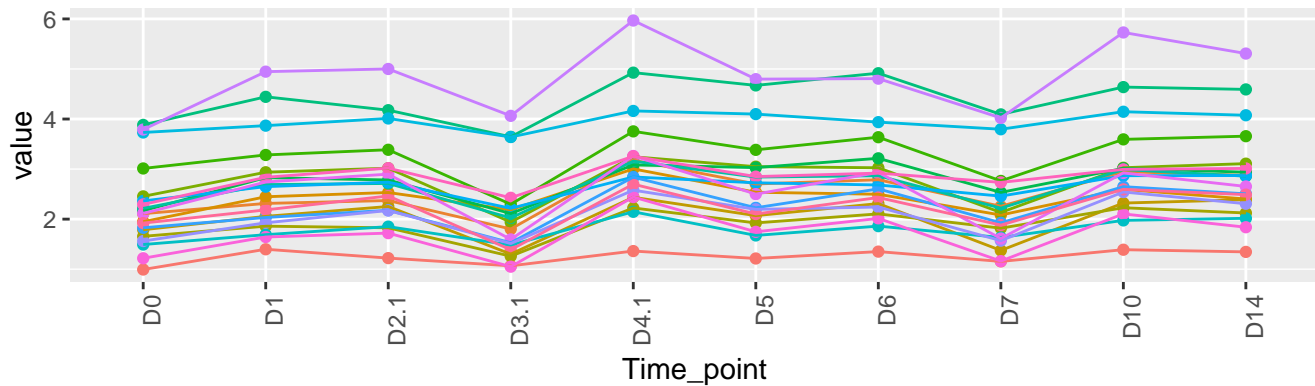
20 genes – KO-cluster-173-original



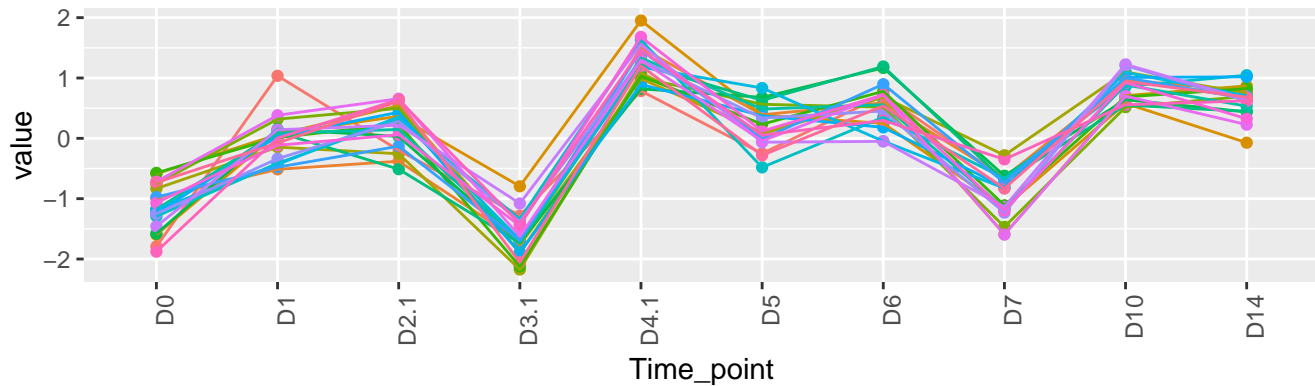
20 genes – KO-cluster-173-standardized



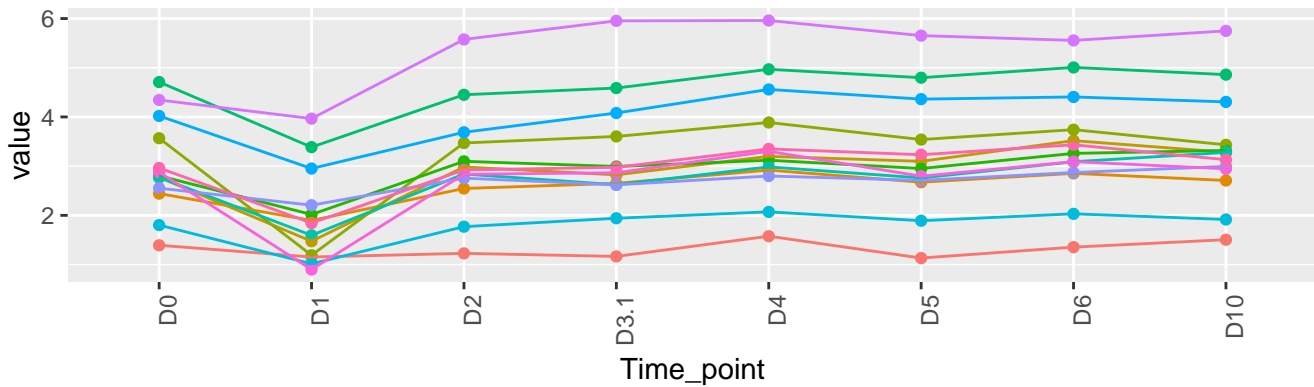
20 genes – WT-cluster-172-original



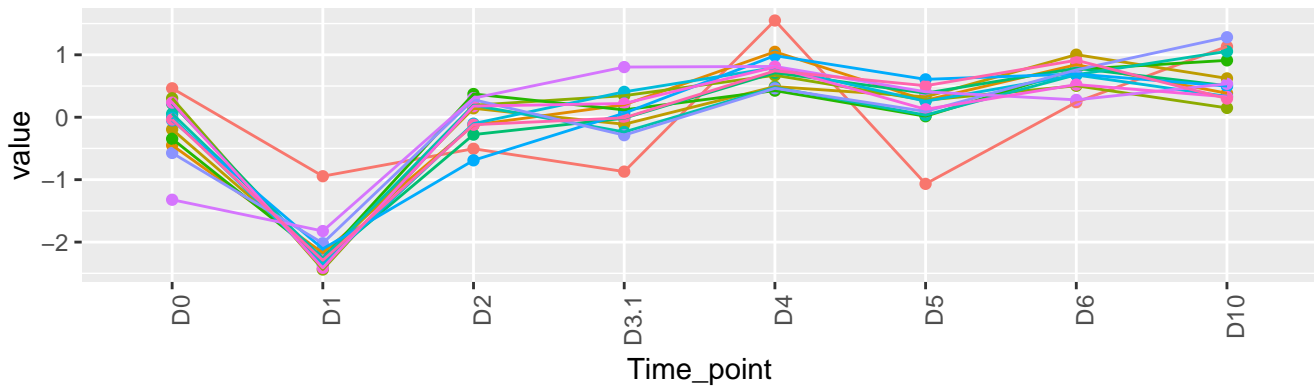
20 genes – WT-cluster-172-standardized



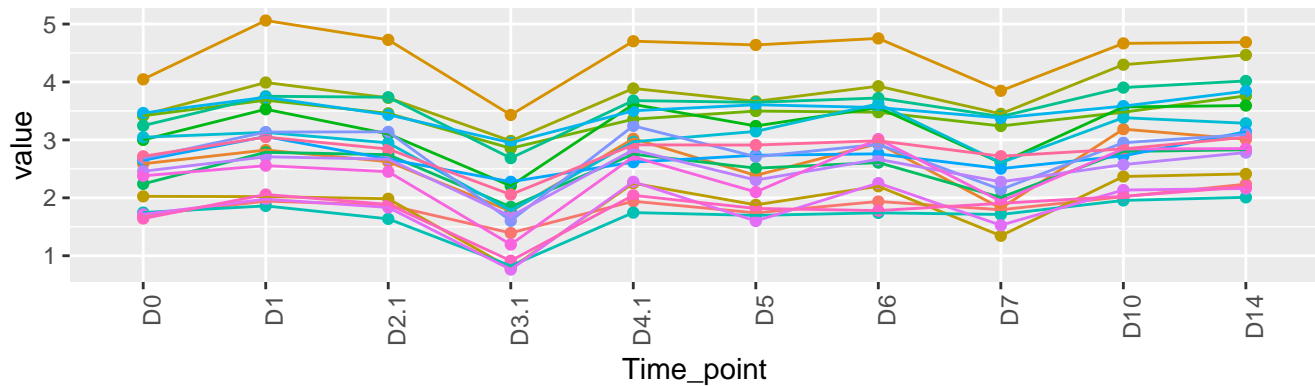
13 genes – KO-cluster-172-original



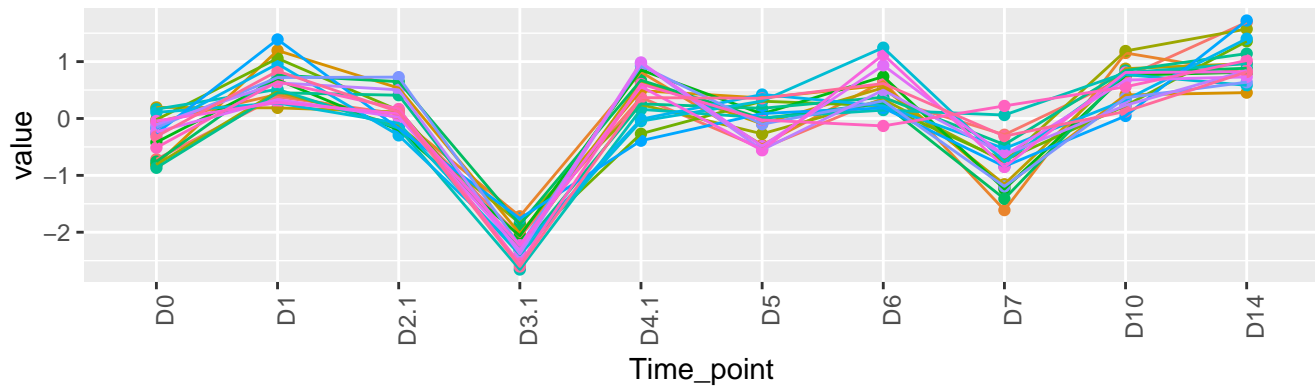
13 genes – KO-cluster-172-standardized



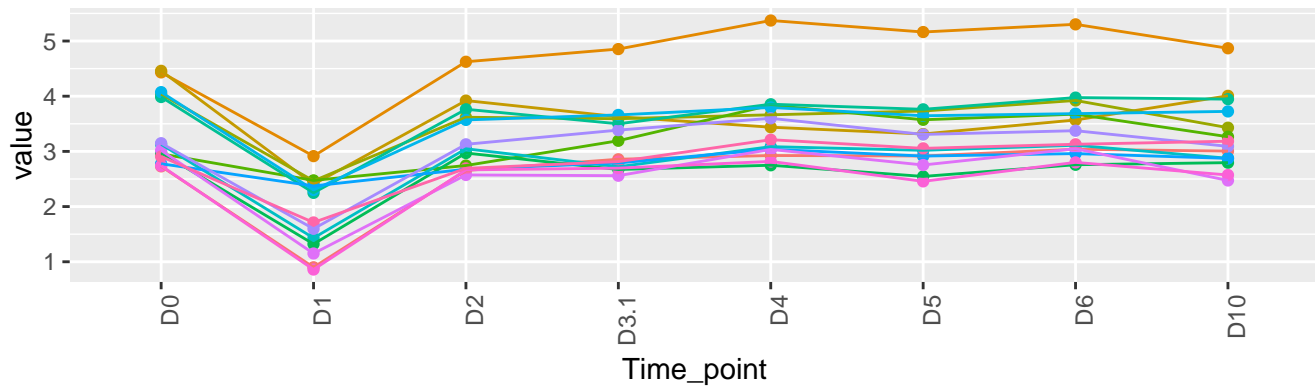
19 genes – WT-cluster-171-original



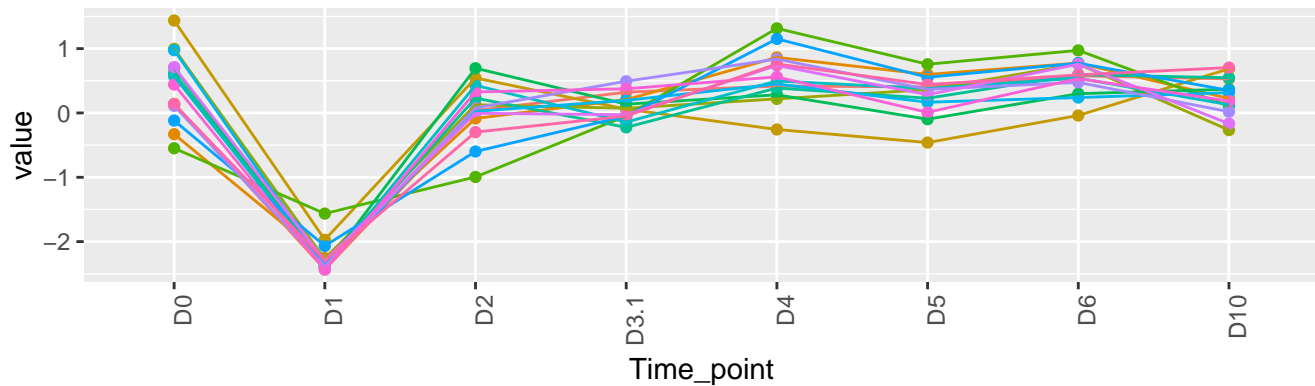
19 genes – WT-cluster-171-standardized



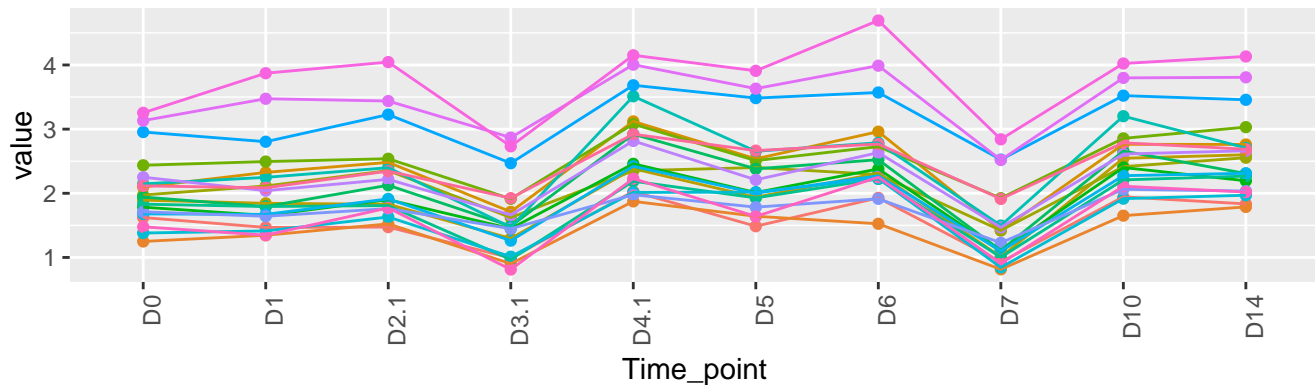
14 genes – KO-cluster-171-original



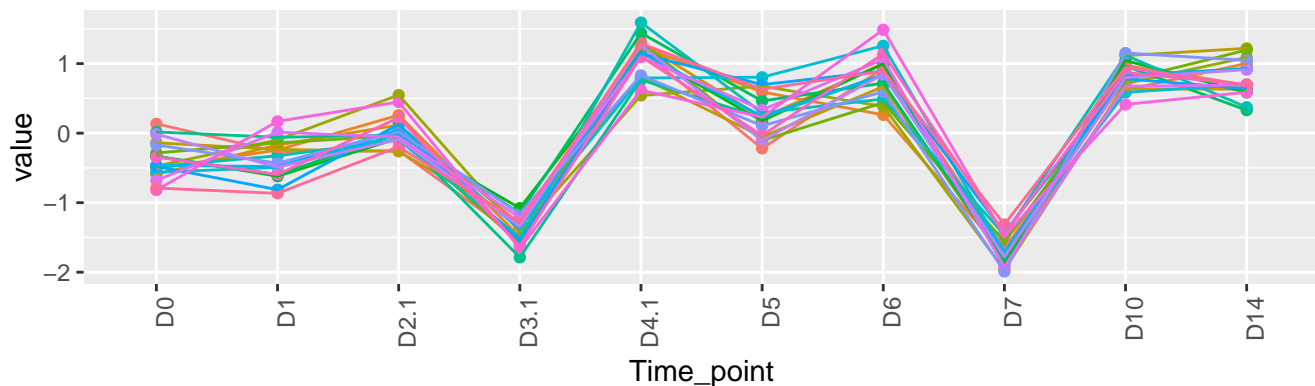
14 genes – KO-cluster-171-standardized



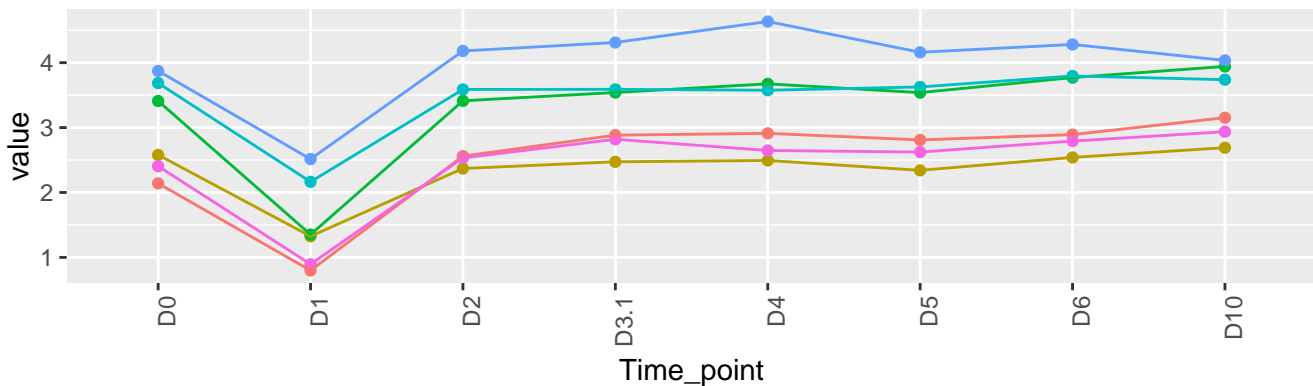
19 genes – WT-cluster-170-original



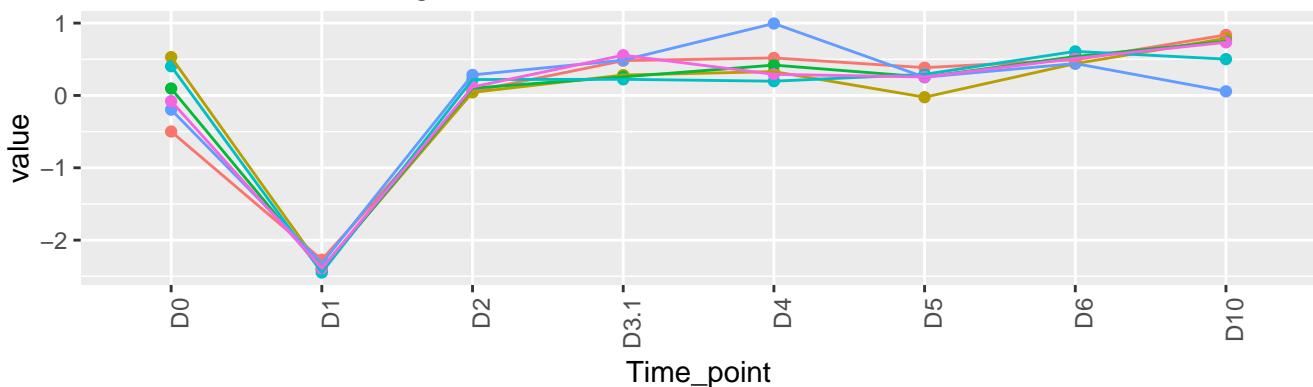
19 genes – WT-cluster-170-standardized



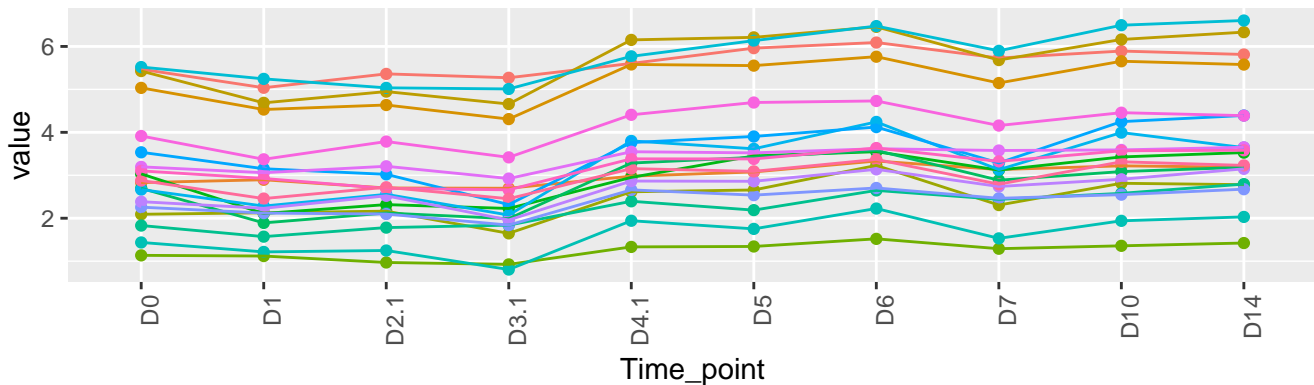
6 genes – KO-cluster-170–original



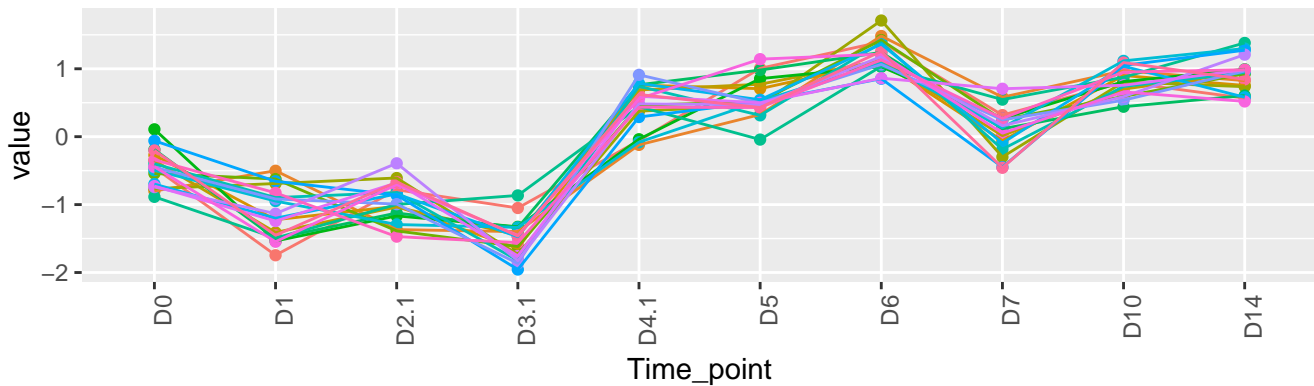
6 genes – KO-cluster-170–standardized



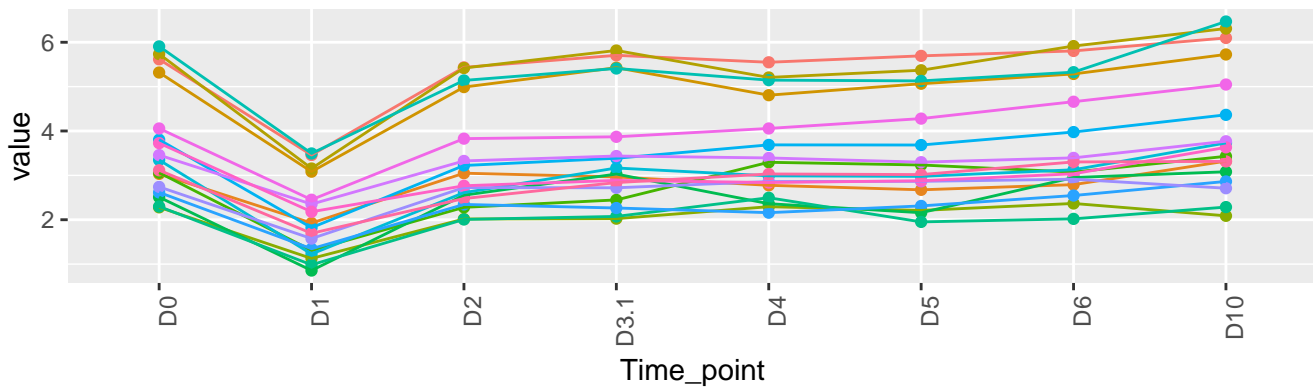
19 genes – WT-cluster-169-original



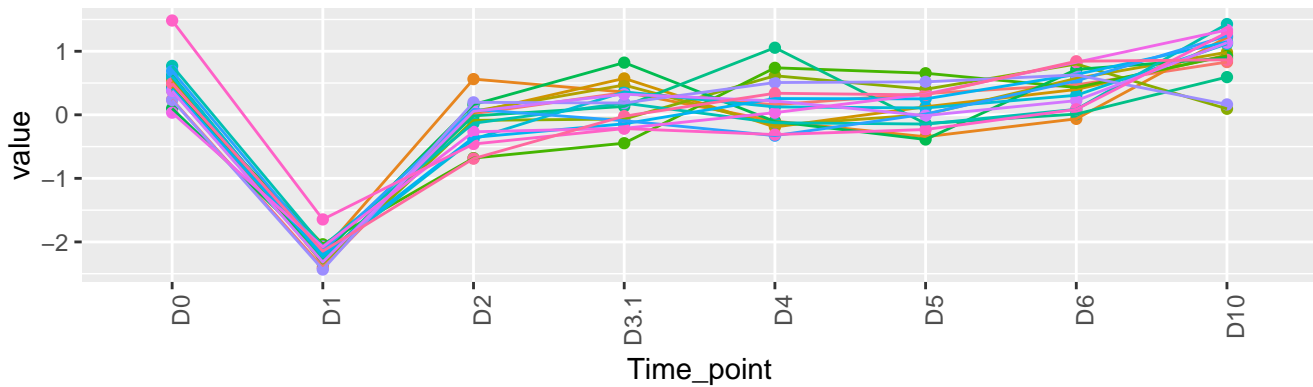
19 genes – WT-cluster-169-standardized



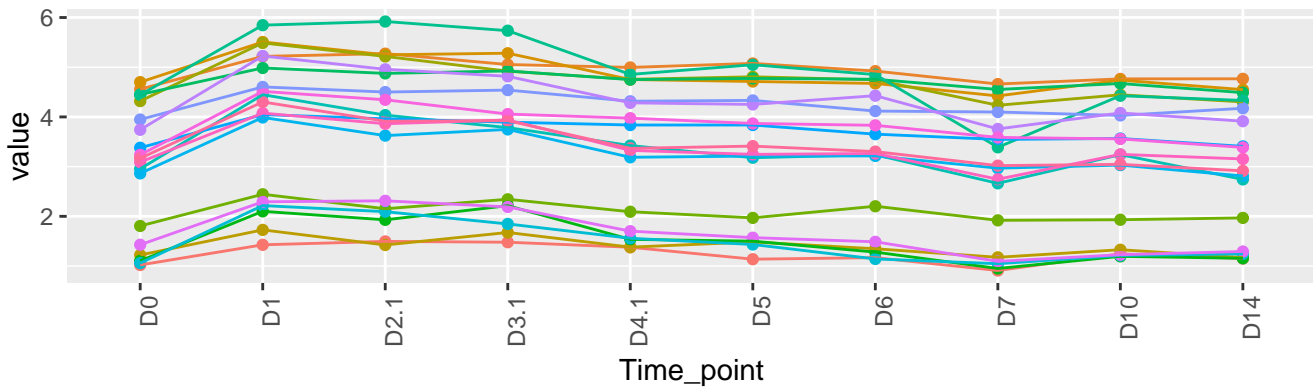
17 genes – KO-cluster-169-original



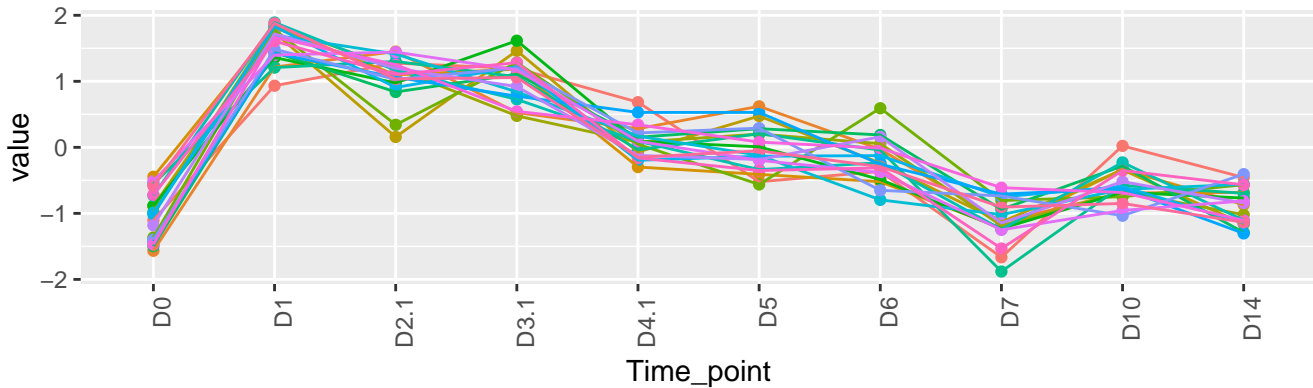
17 genes – KO-cluster-169-standardized



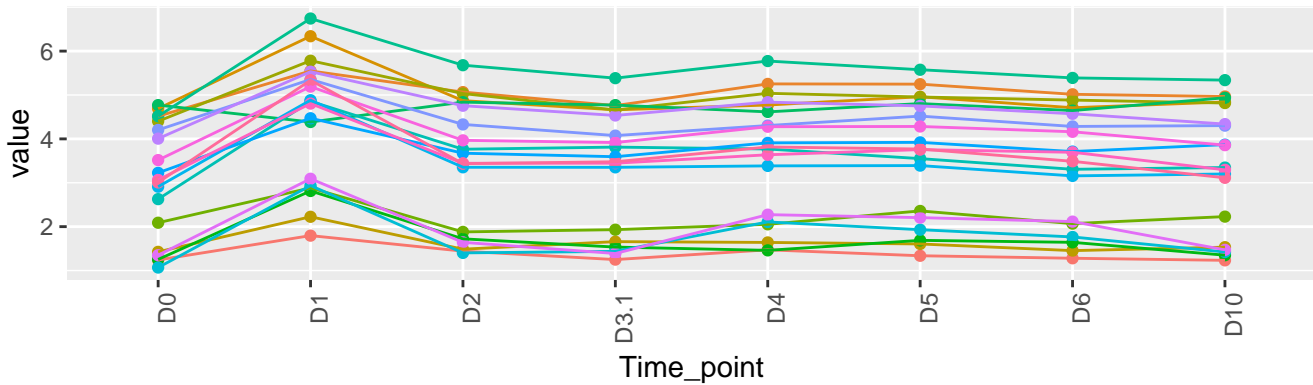
19 genes – WT-cluster-168-original



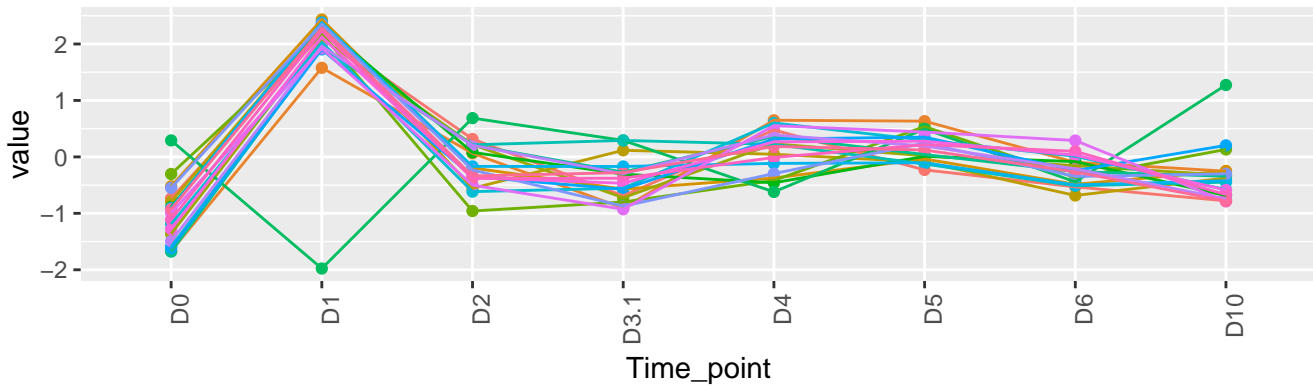
19 genes – WT-cluster-168-standardized



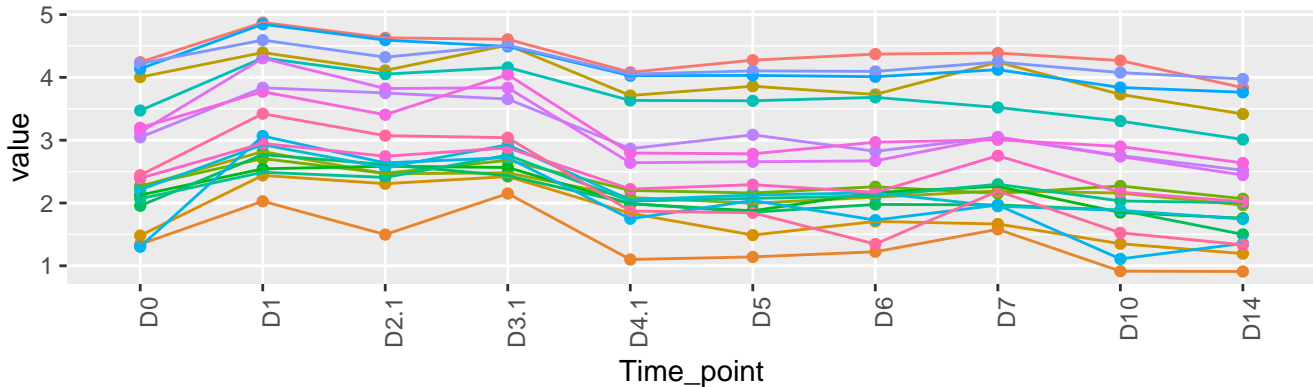
19 genes – KO-cluster-168-original



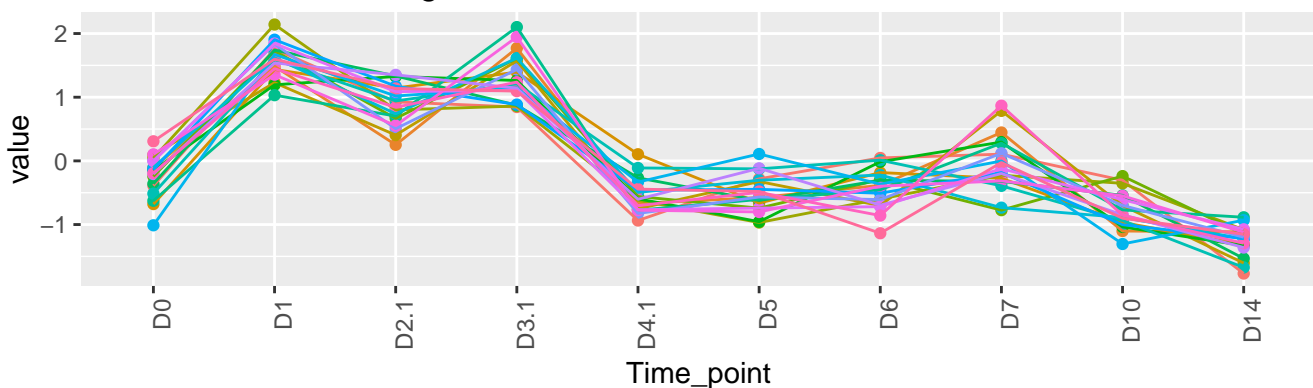
19 genes – KO-cluster-168-standardized



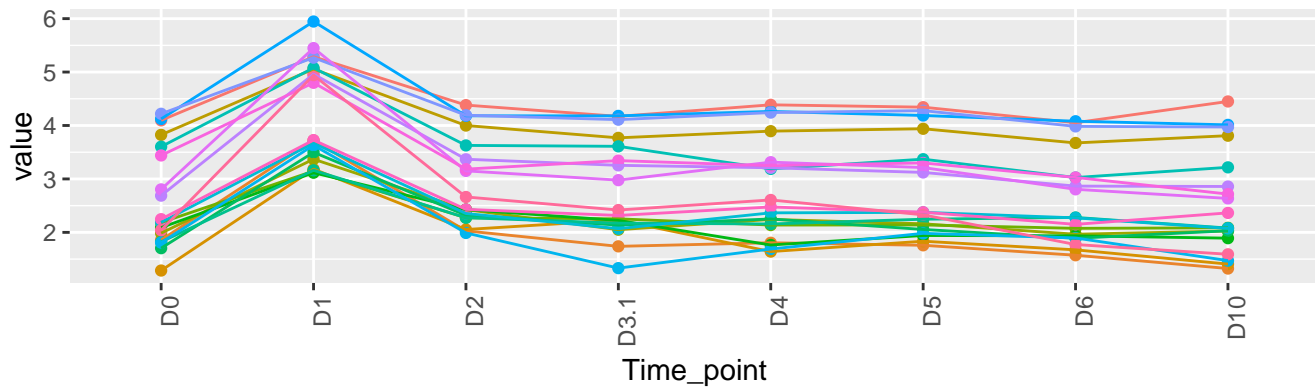
19 genes – WT-cluster-167-original



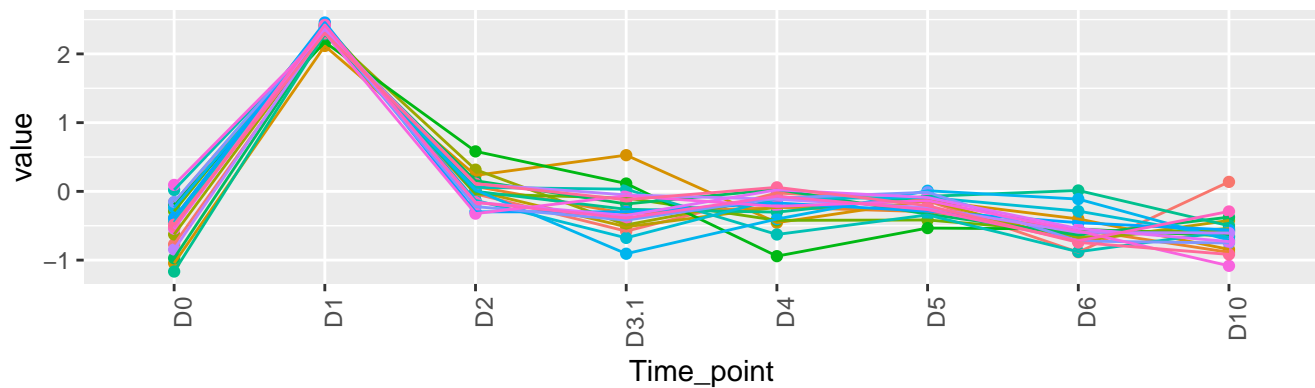
19 genes – WT-cluster-167-standardized



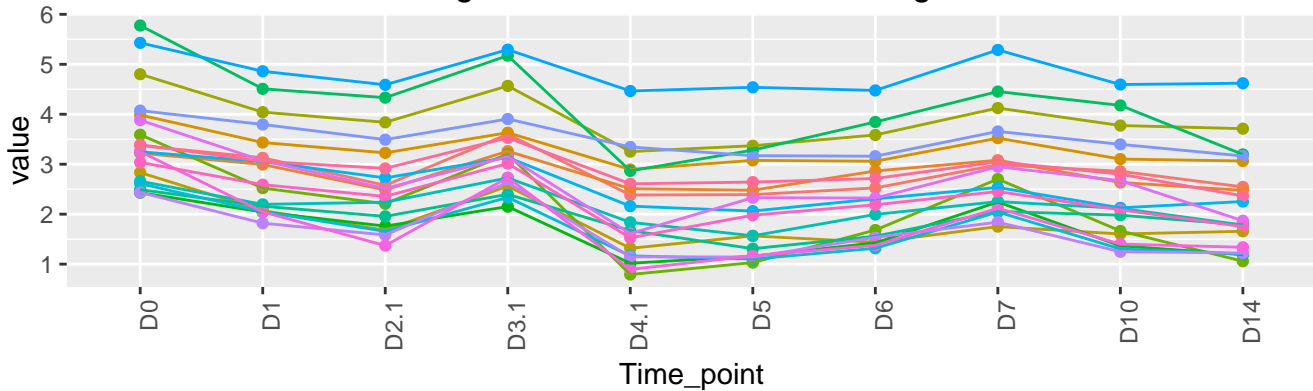
19 genes – KO-cluster-167-original



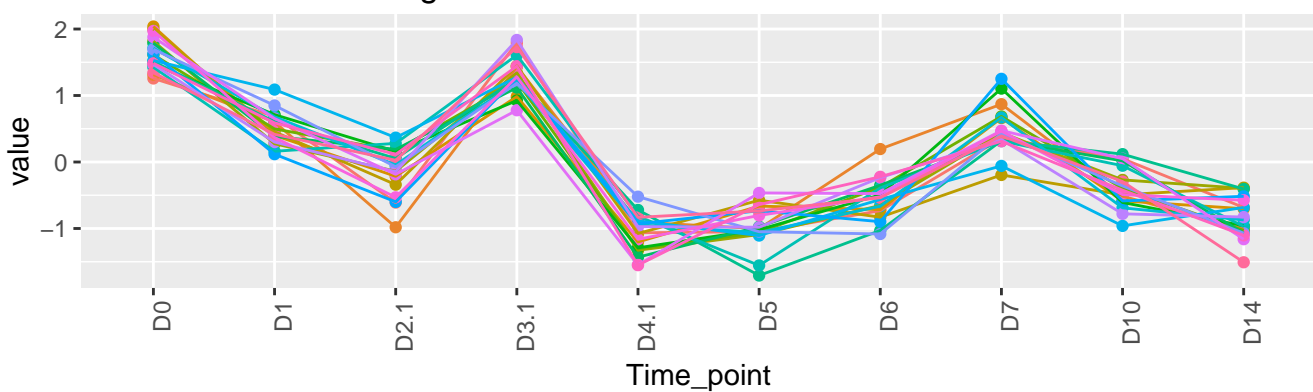
19 genes – KO-cluster-167-standardized



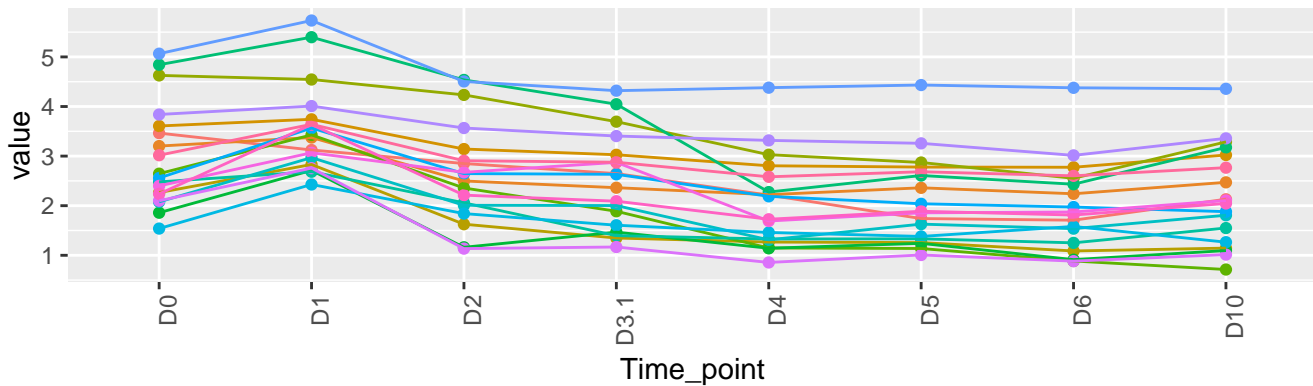
19 genes – WT-cluster-166-original



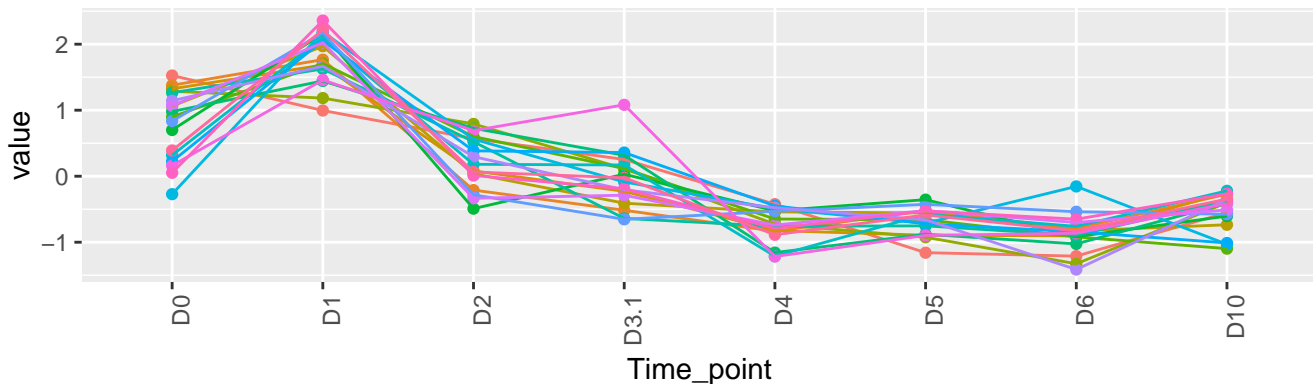
19 genes – WT-cluster-166-standardized



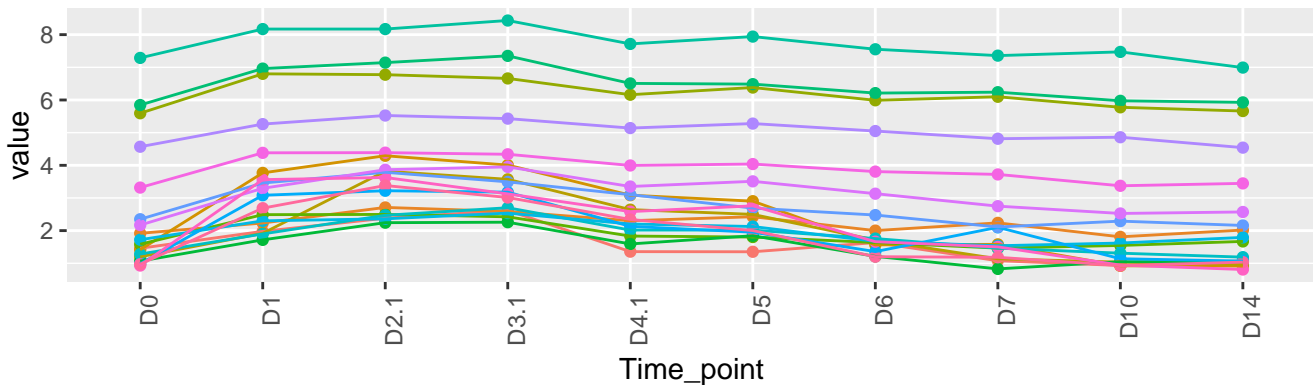
18 genes – KO-cluster-166-original



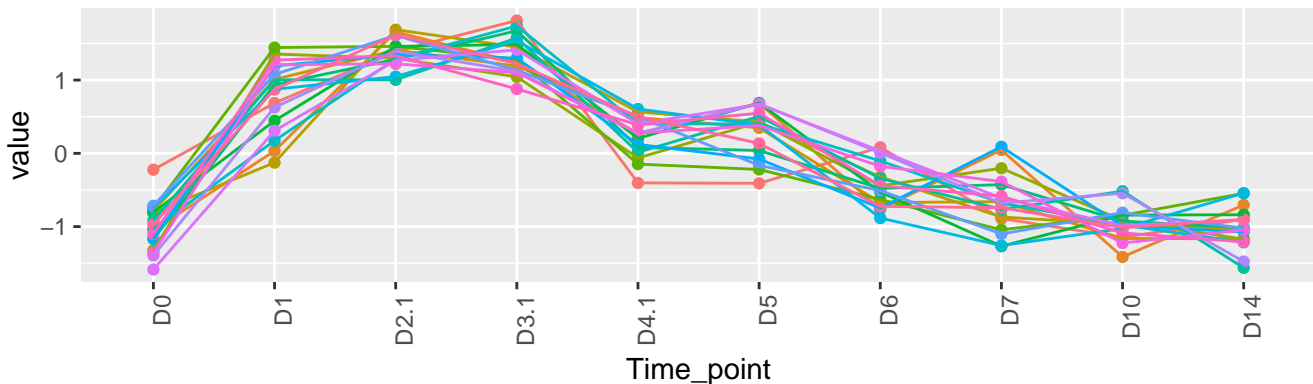
18 genes – KO-cluster-166-standardized



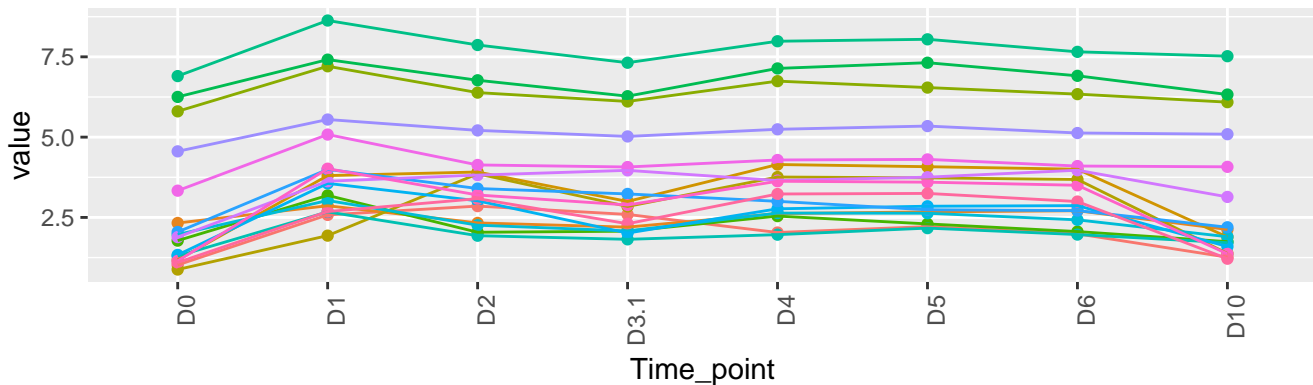
18 genes – WT-cluster-165-original



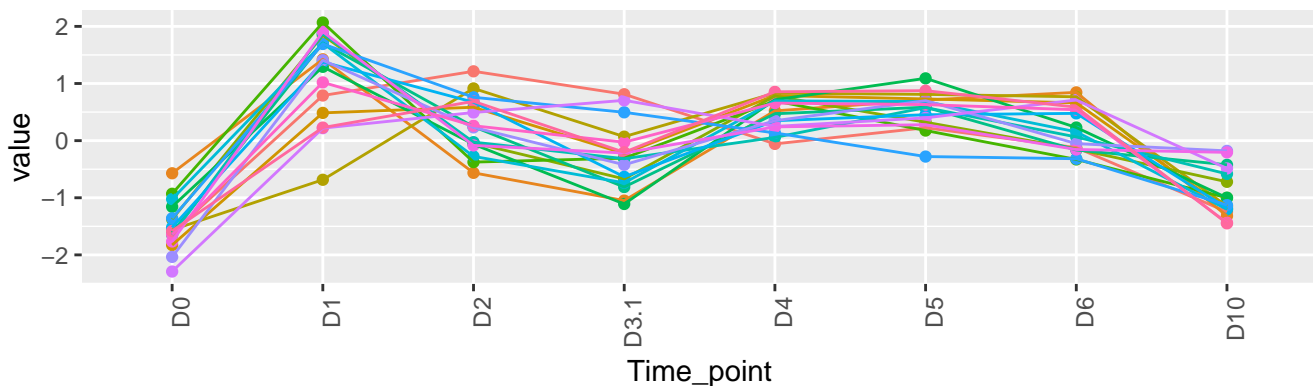
18 genes – WT-cluster-165-standardized



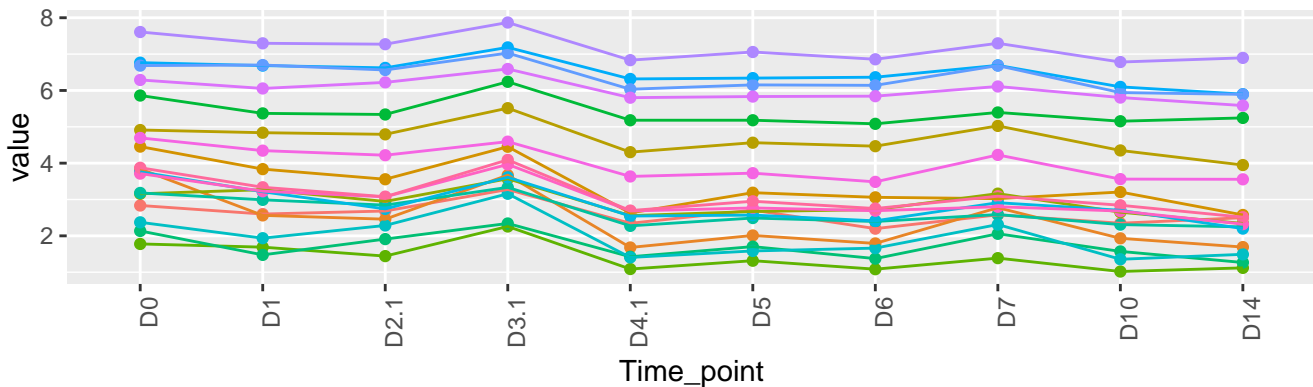
17 genes – KO-cluster-165-original



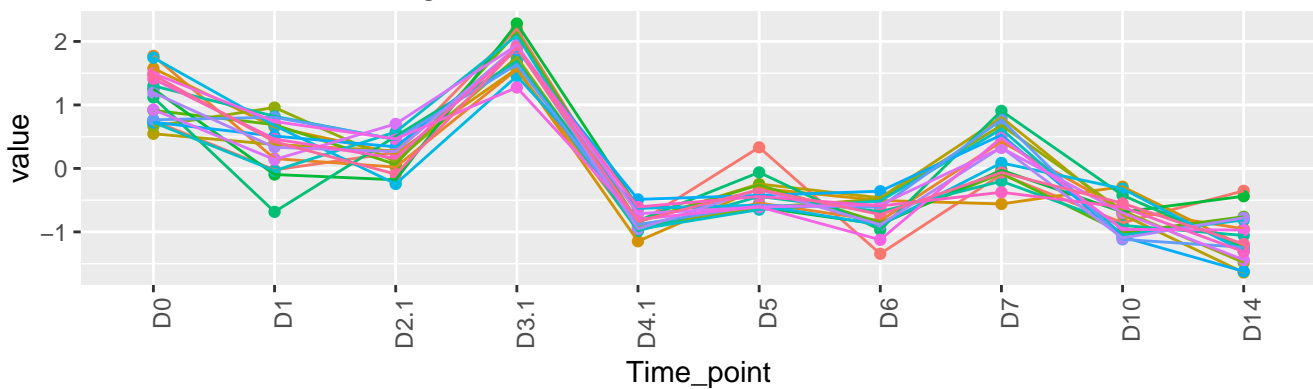
17 genes – KO-cluster-165-standardized



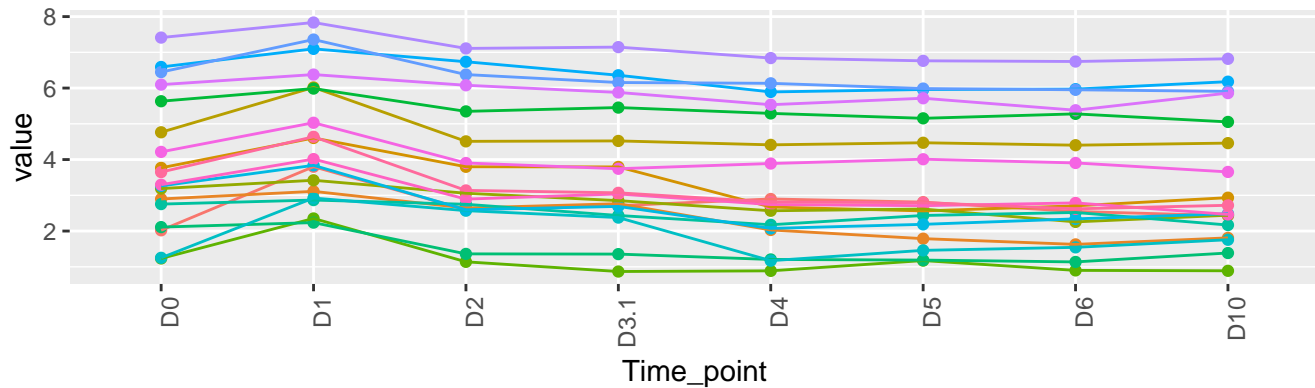
18 genes – WT-cluster-164-original



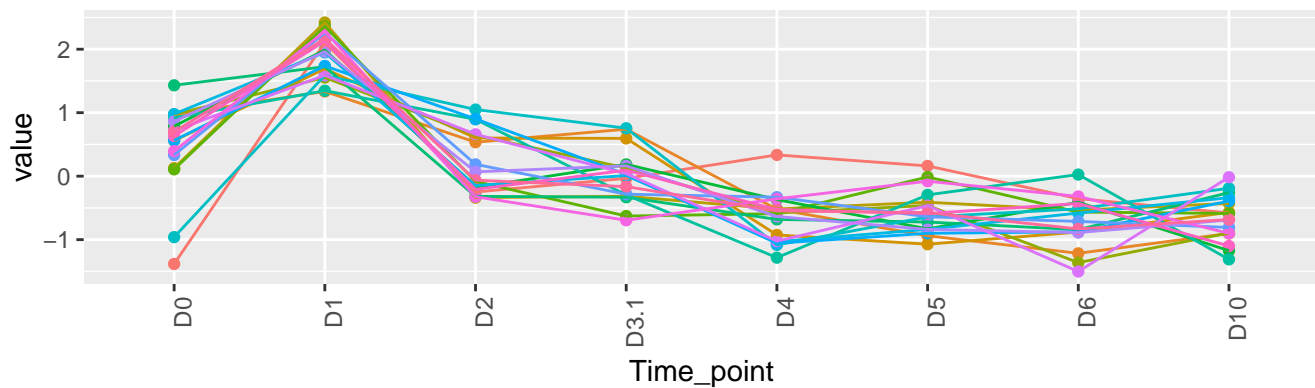
18 genes – WT-cluster-164-standardized



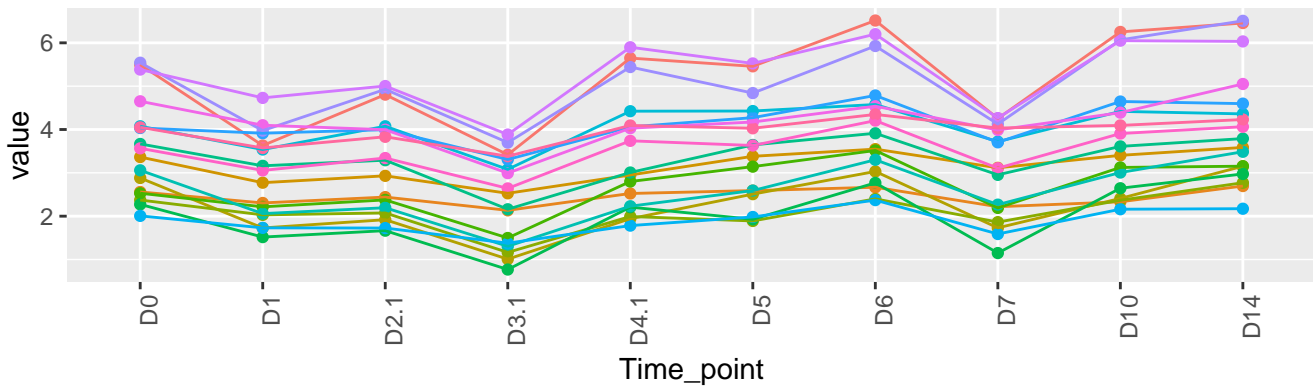
18 genes – KO-cluster-164-original



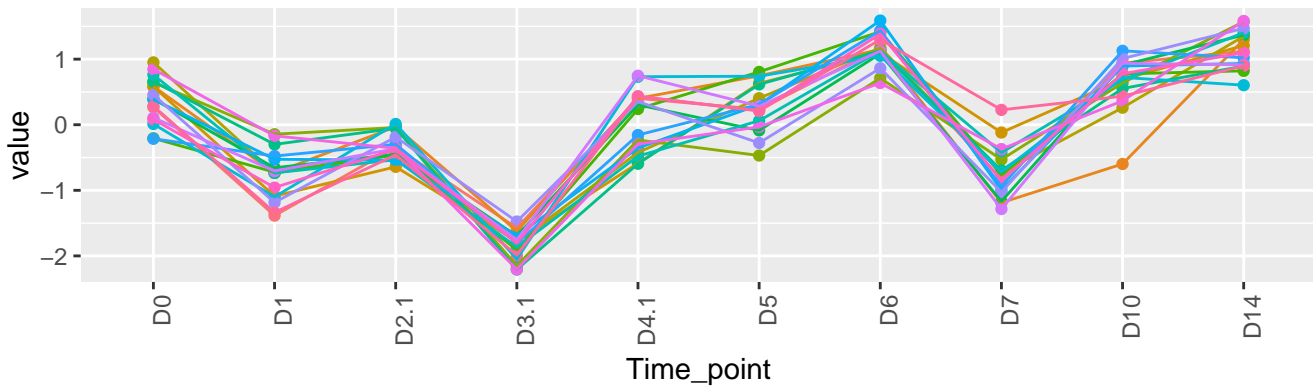
18 genes – KO-cluster-164-standardized



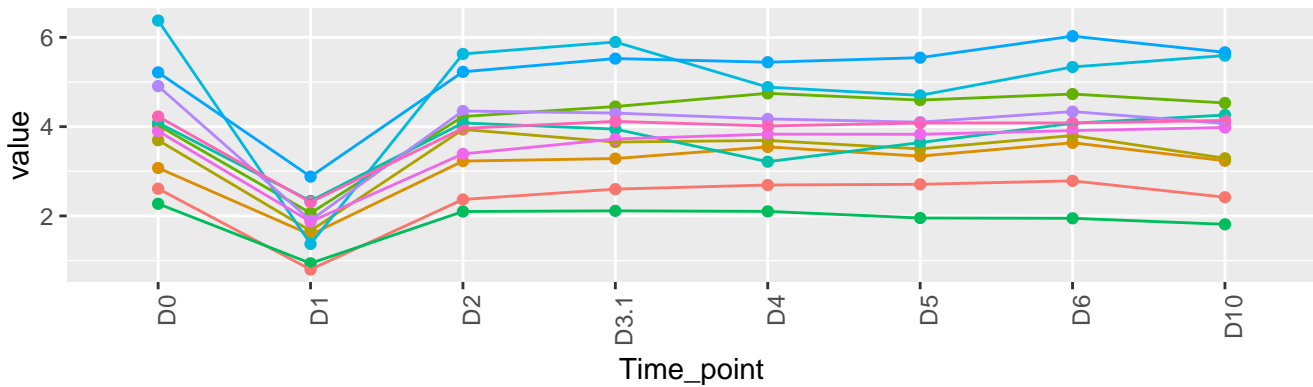
17 genes – WT-cluster-163-original



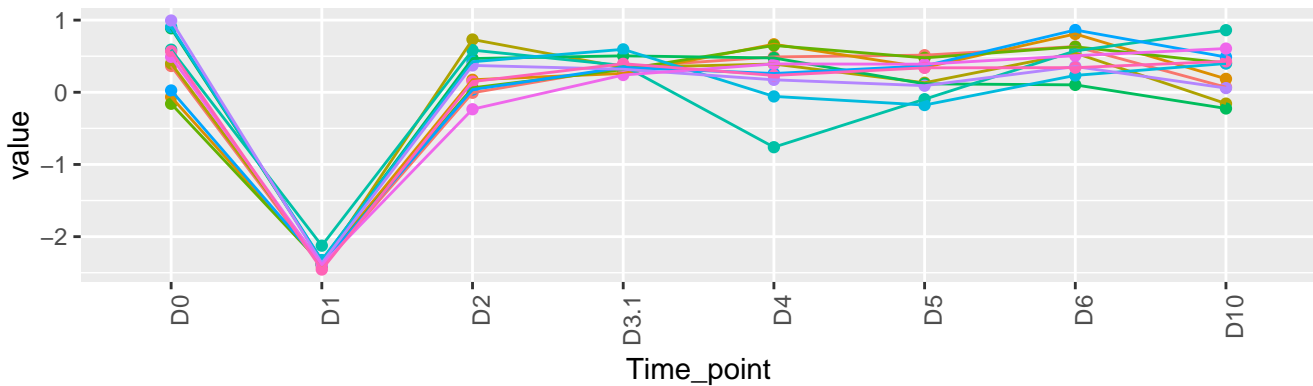
17 genes – WT-cluster-163-standardized



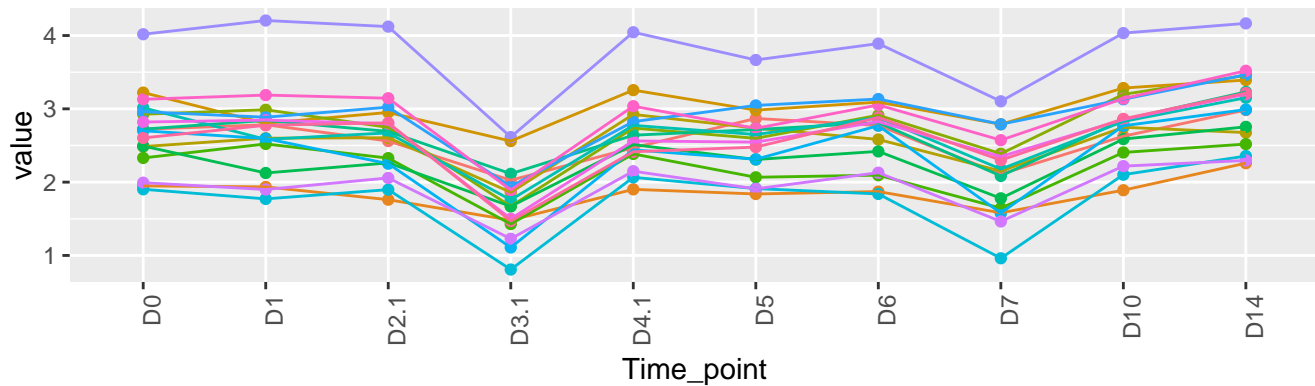
11 genes – KO-cluster-163-original



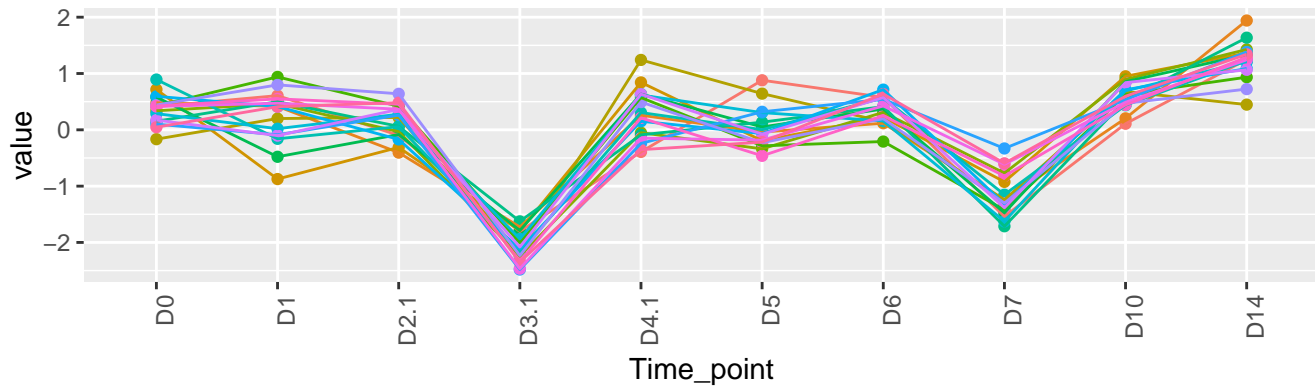
11 genes – KO-cluster-163-standardized



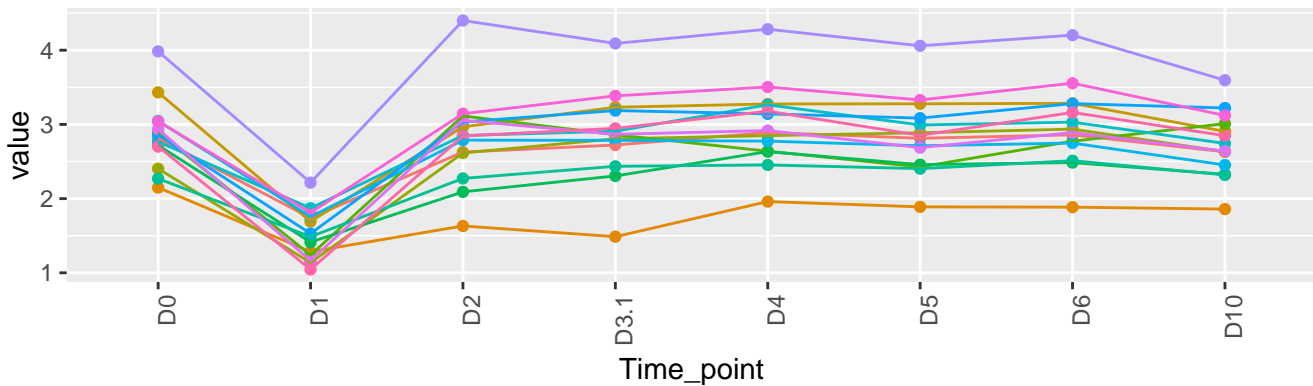
17 genes – WT-cluster-162-original



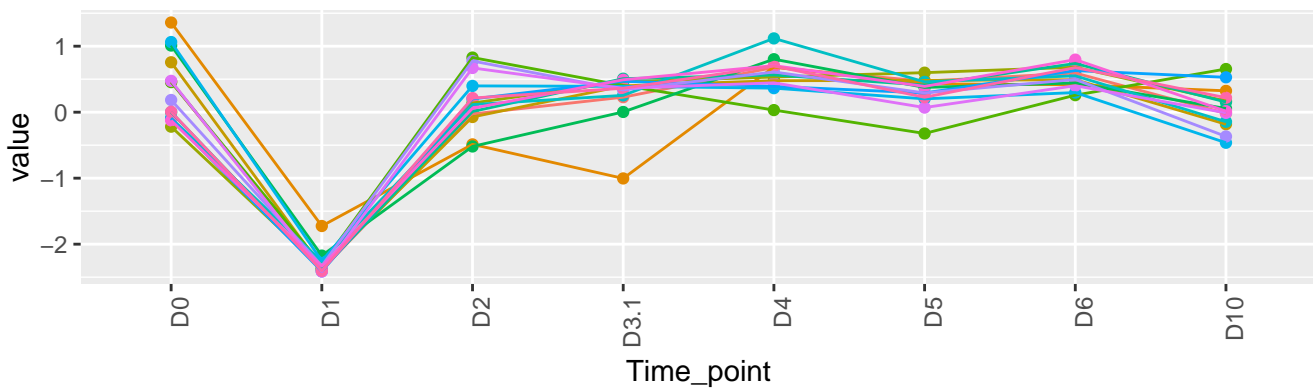
17 genes – WT-cluster-162-standardized



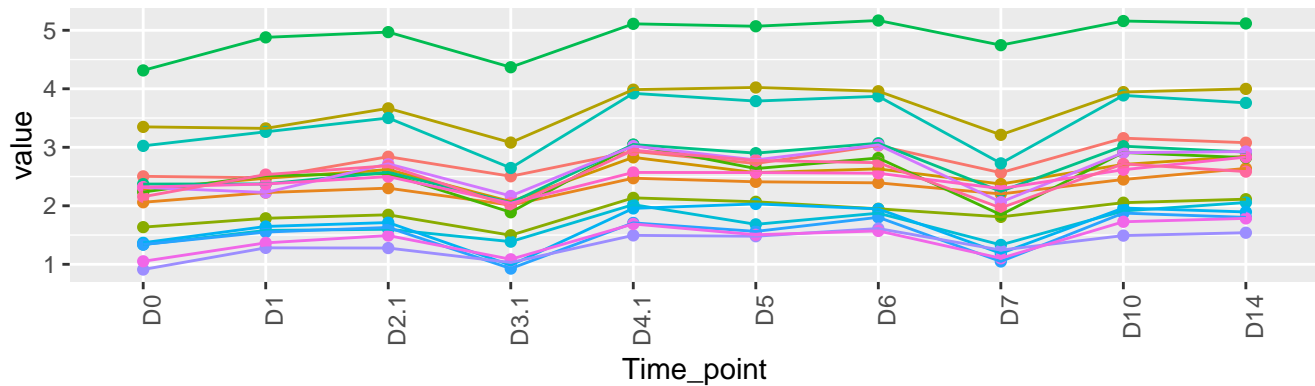
14 genes – KO-cluster-162-original



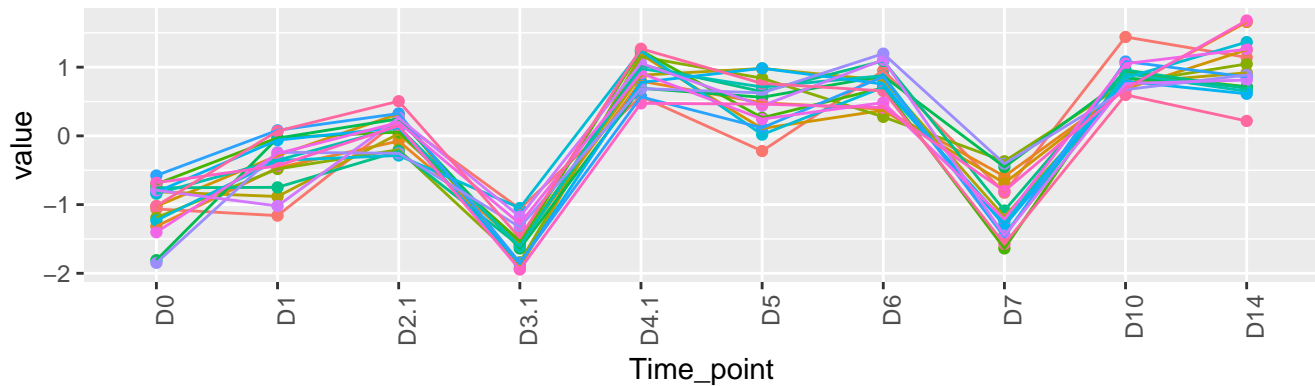
14 genes – KO-cluster-162-standardized



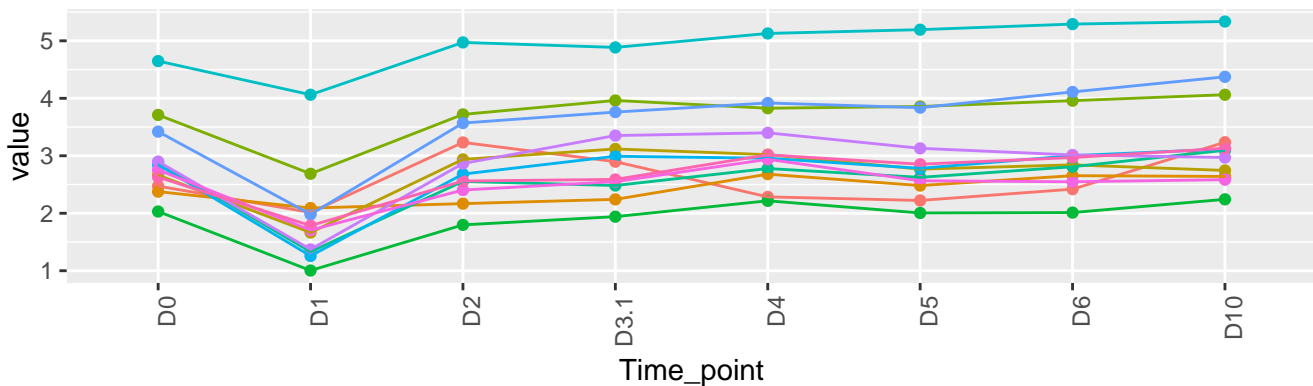
17 genes – WT-cluster-161-original



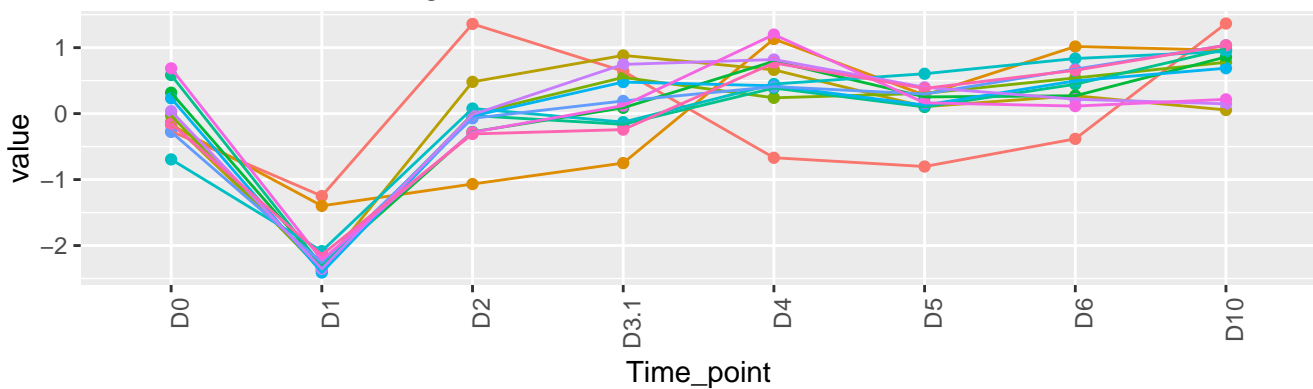
17 genes – WT-cluster-161-standardized



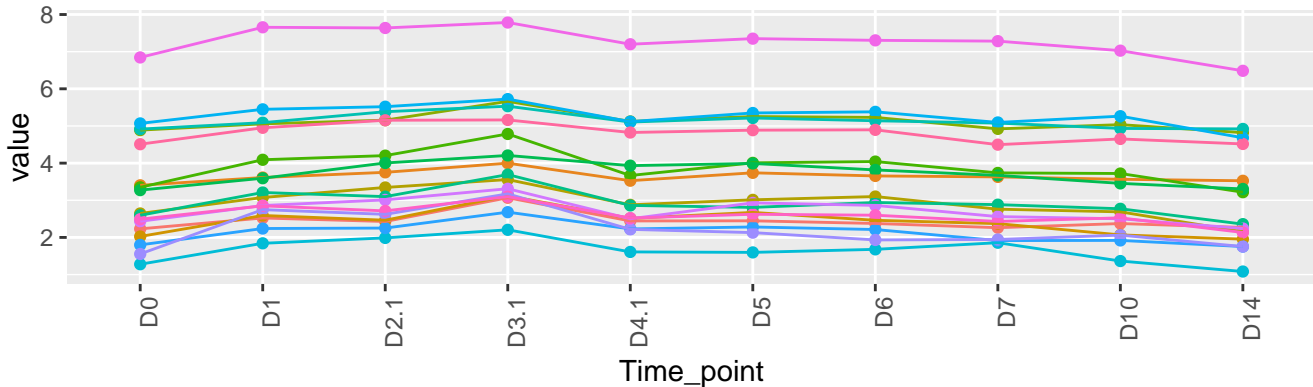
12 genes – KO-cluster-161-original



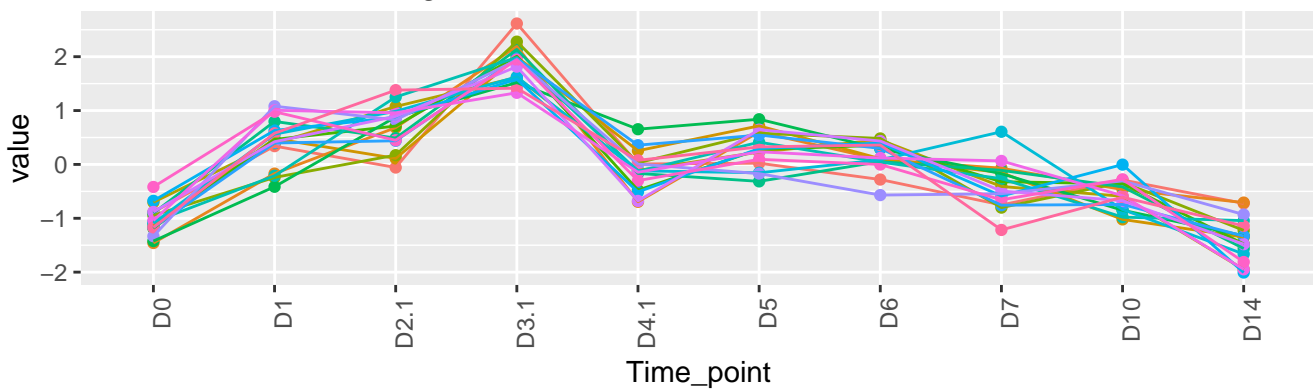
12 genes – KO-cluster-161-standardized



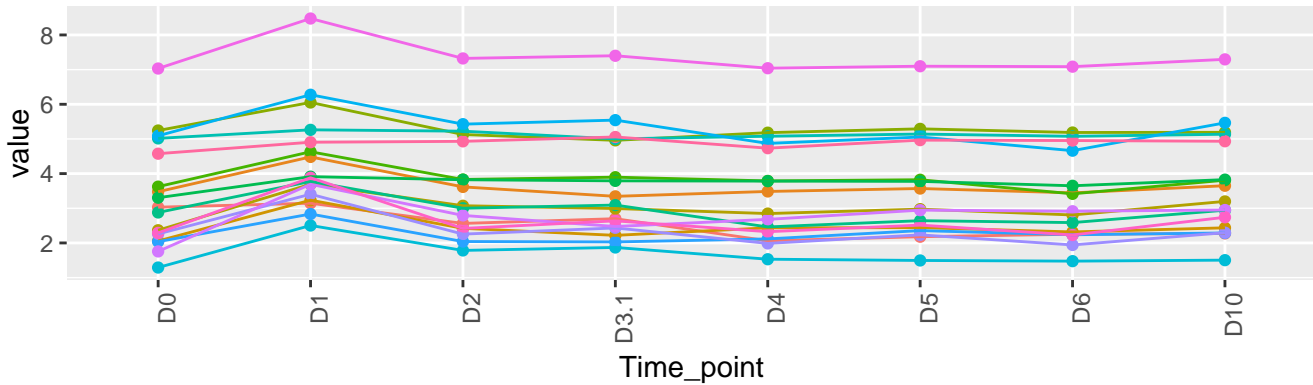
17 genes – WT-cluster-160-original



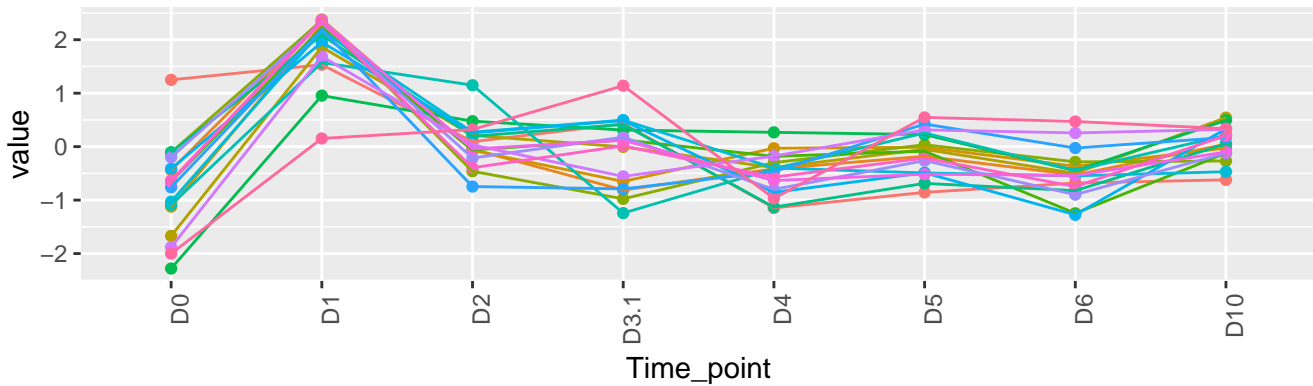
17 genes – WT-cluster-160-standardized



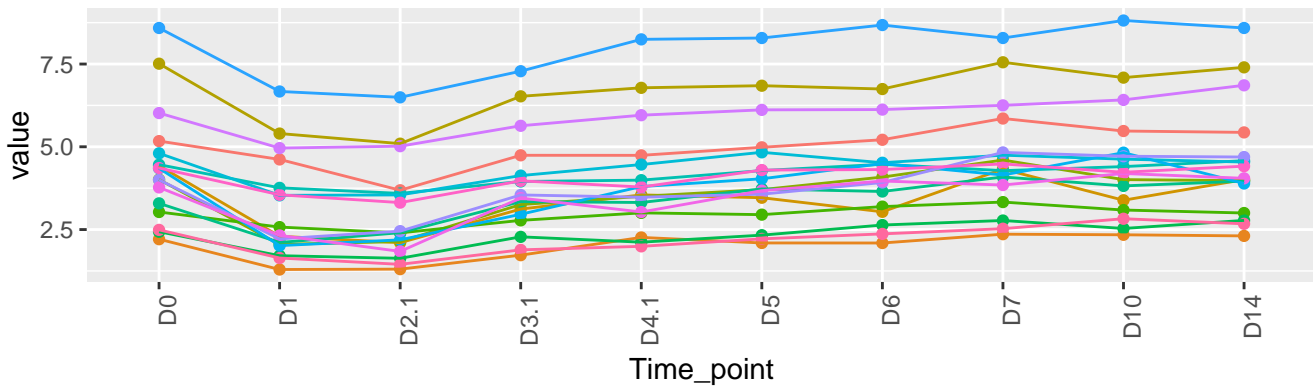
17 genes – KO-cluster-160-original



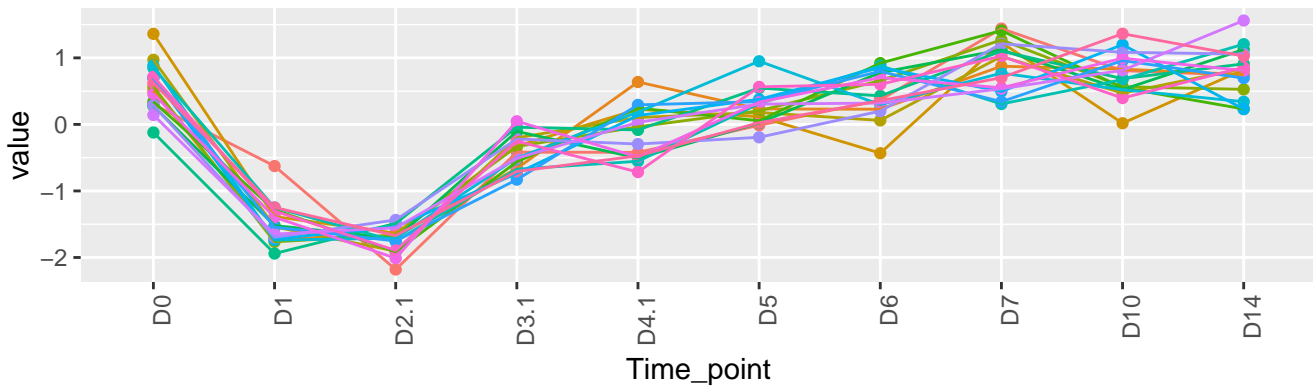
17 genes – KO-cluster-160-standardized



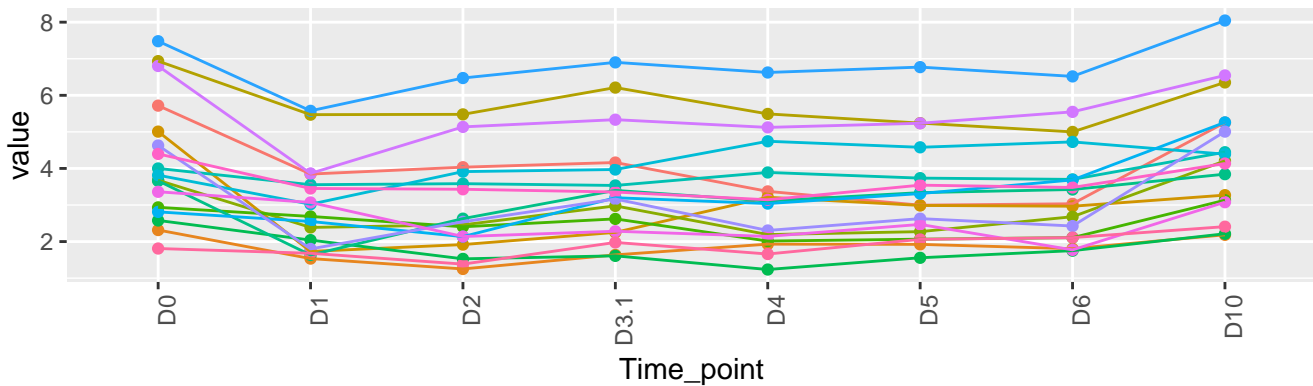
17 genes – WT-cluster-159-original



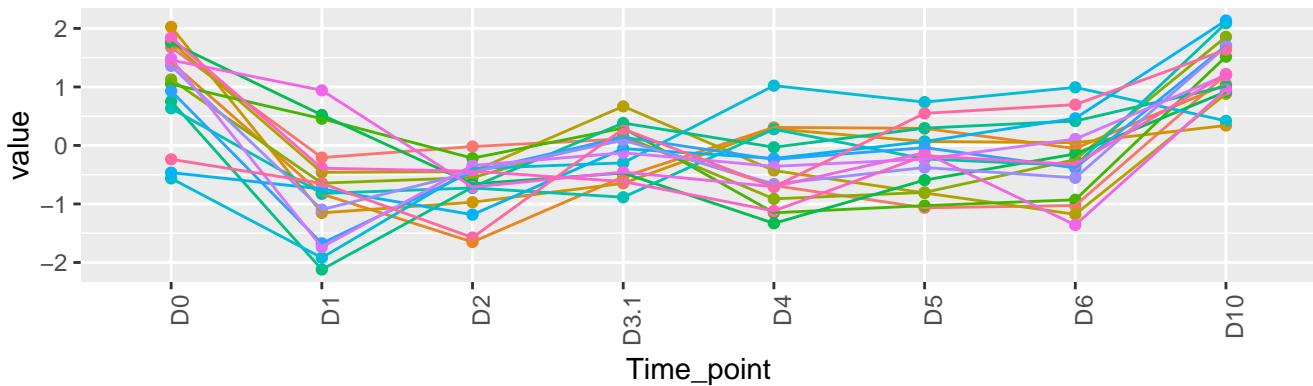
17 genes – WT-cluster-159-standardized



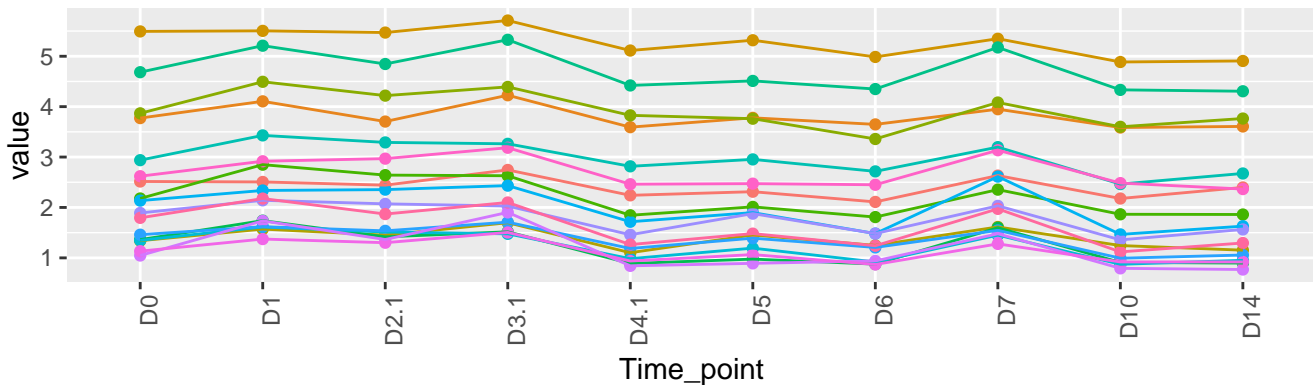
17 genes – KO-cluster-159-original



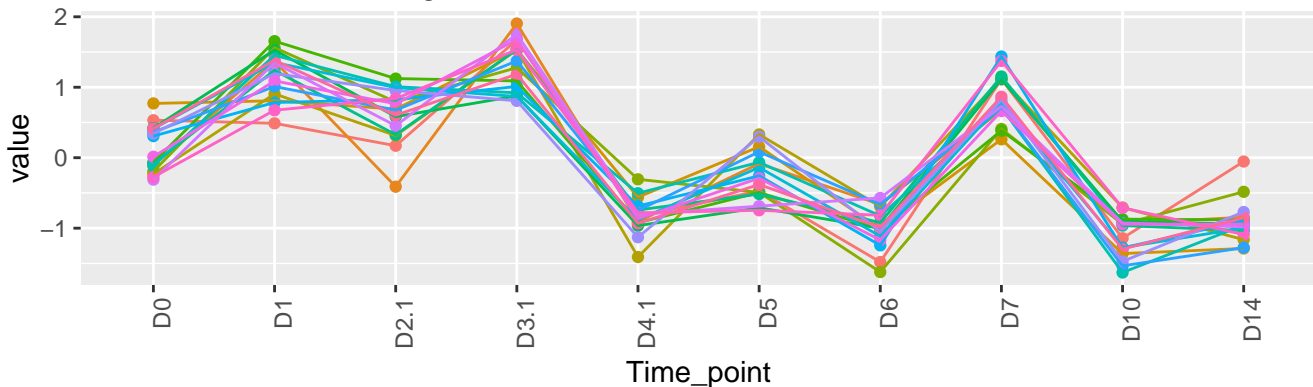
17 genes – KO-cluster-159-standardized



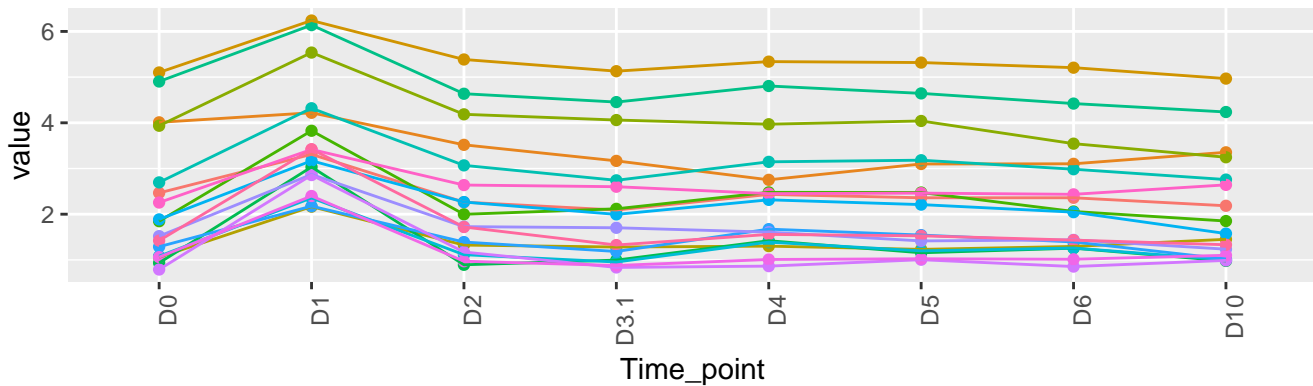
17 genes – WT-cluster-158-original



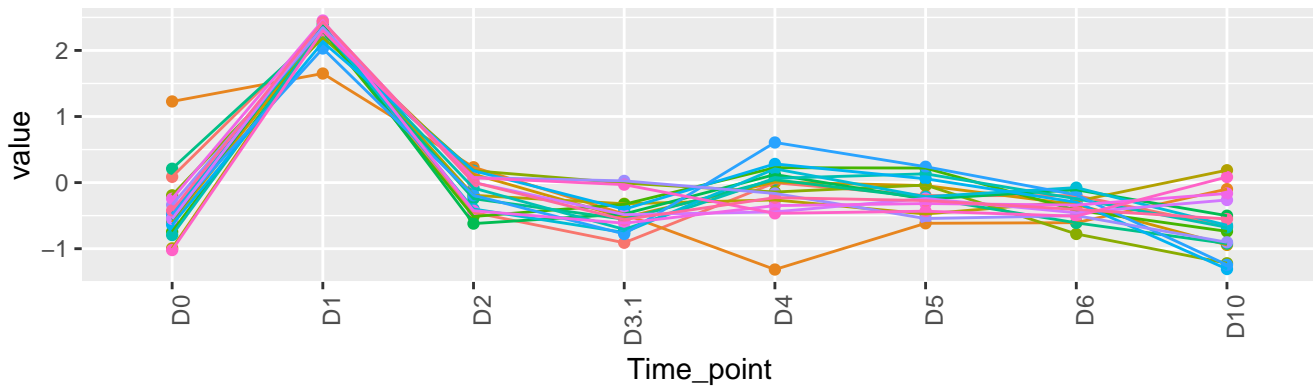
17 genes – WT-cluster-158-standardized



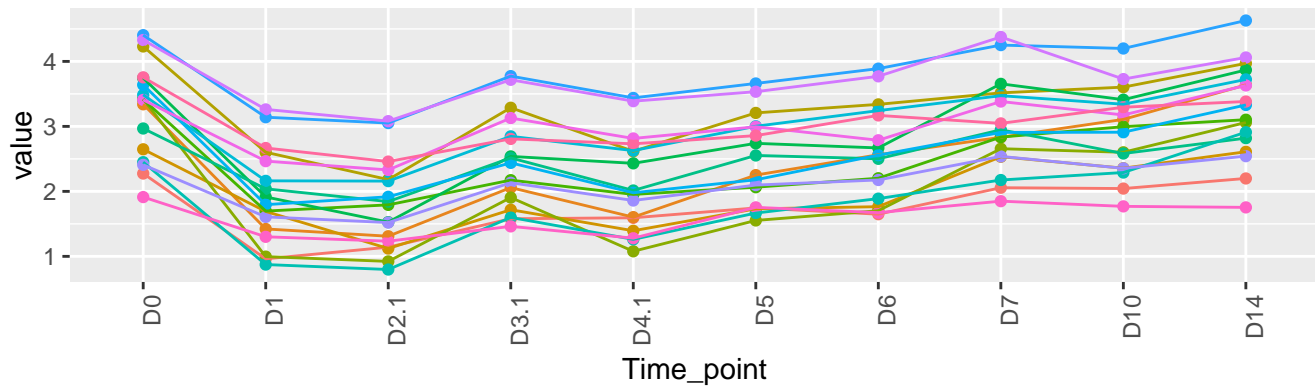
17 genes – KO-cluster-158-original



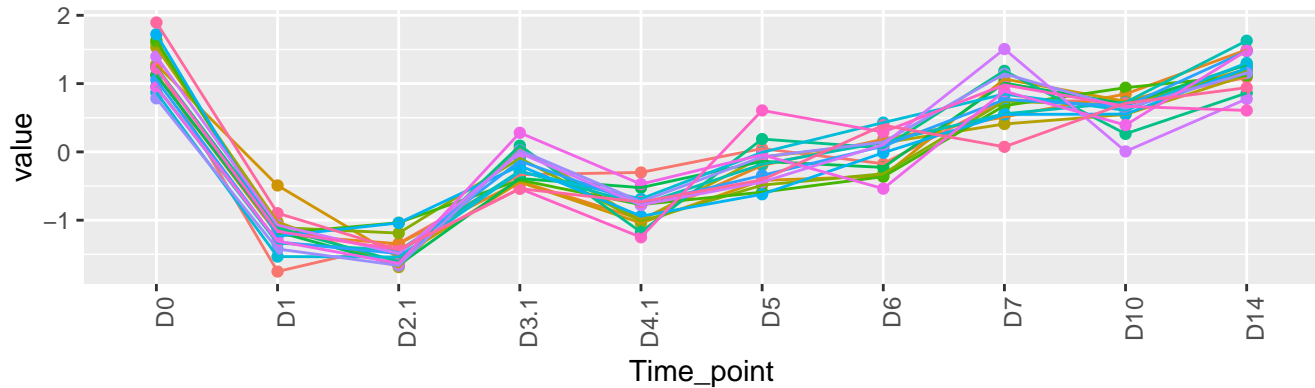
17 genes – KO-cluster-158-standardized



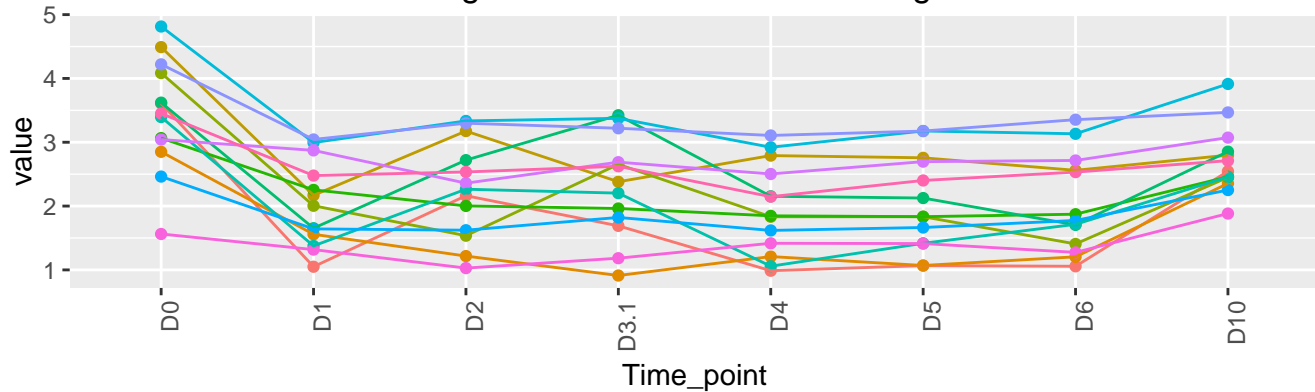
17 genes – WT-cluster-157-original



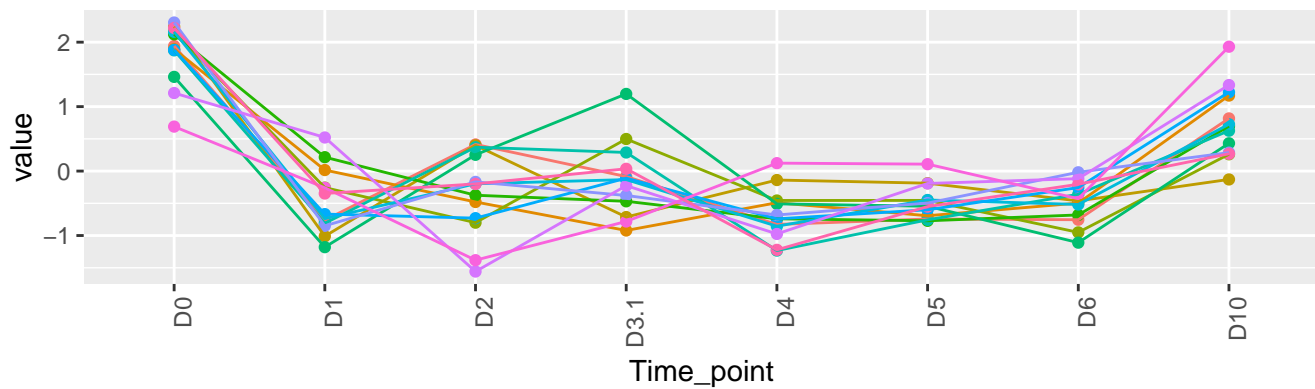
17 genes – WT-cluster-157-standardized



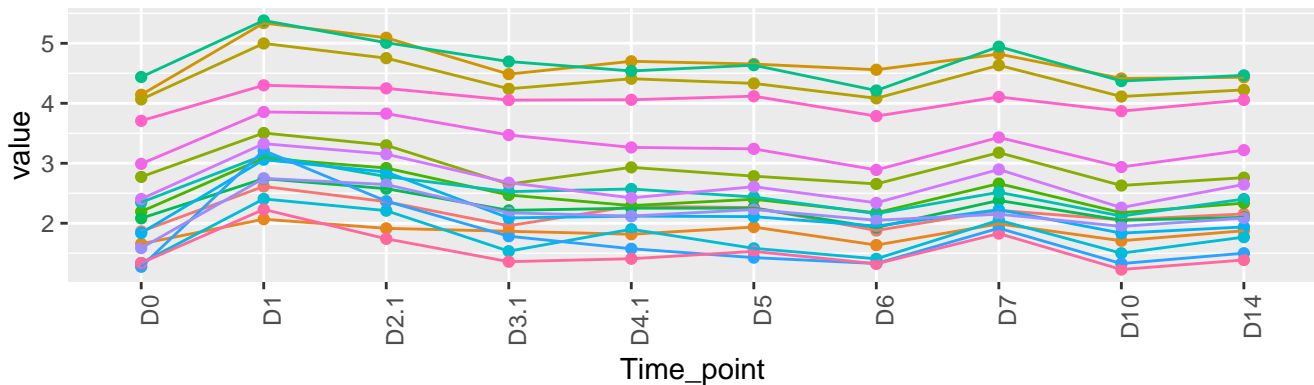
13 genes – KO-cluster-157-original



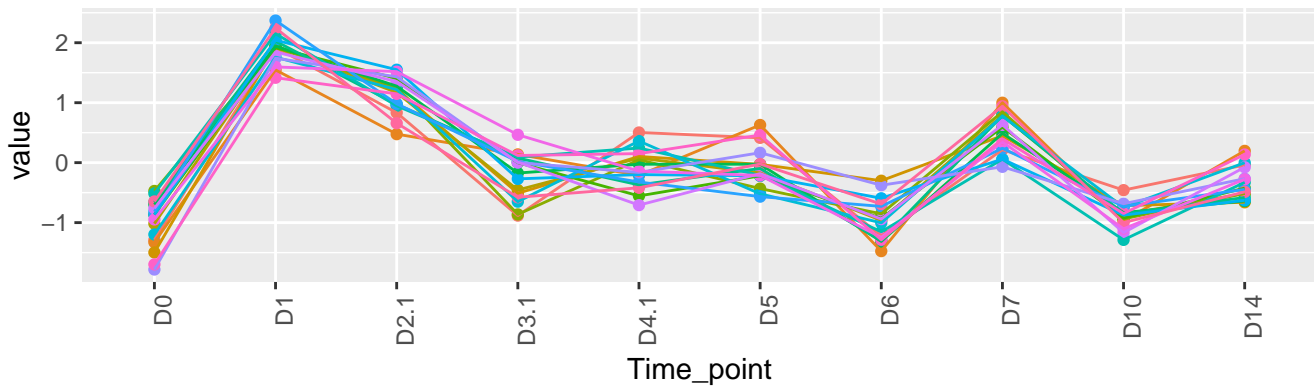
13 genes – KO-cluster-157-standardized



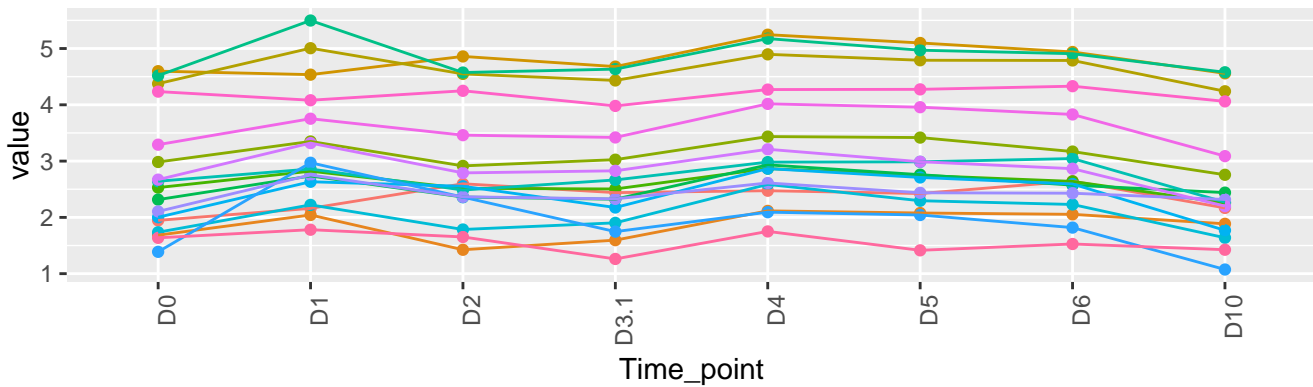
17 genes – WT-cluster-156-original



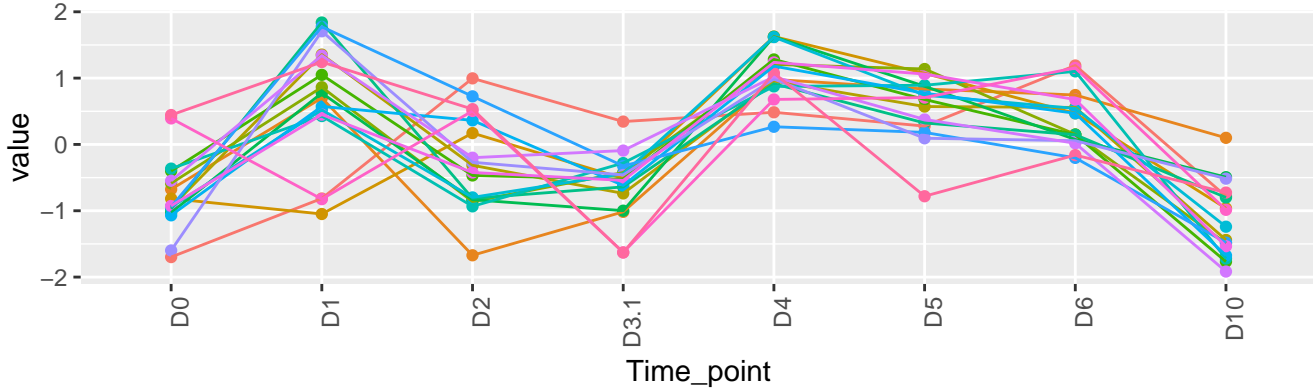
17 genes – WT-cluster-156-standardized



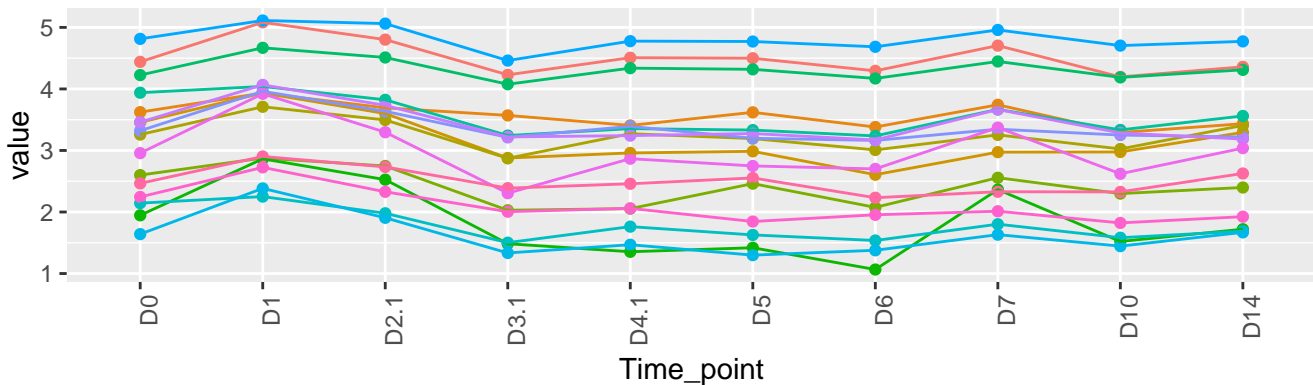
17 genes – KO-cluster-156-original



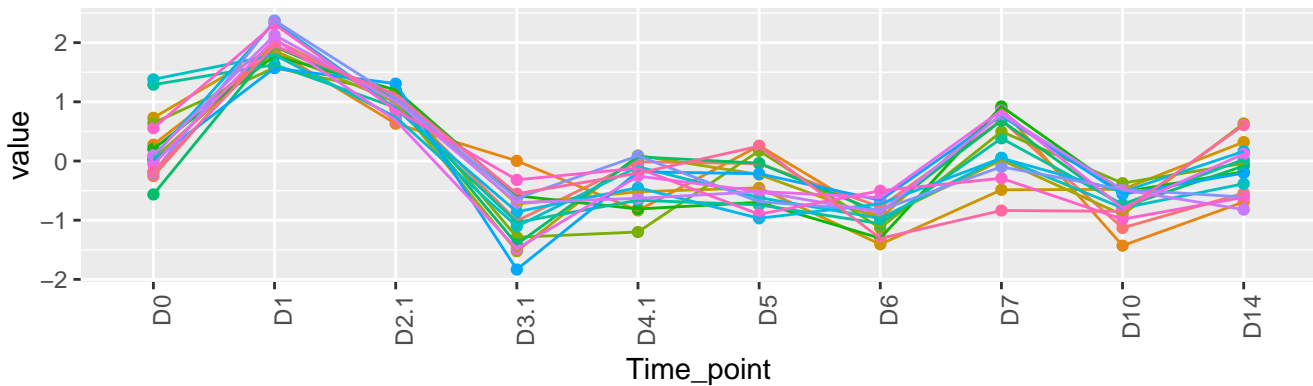
17 genes – KO-cluster-156-standardized



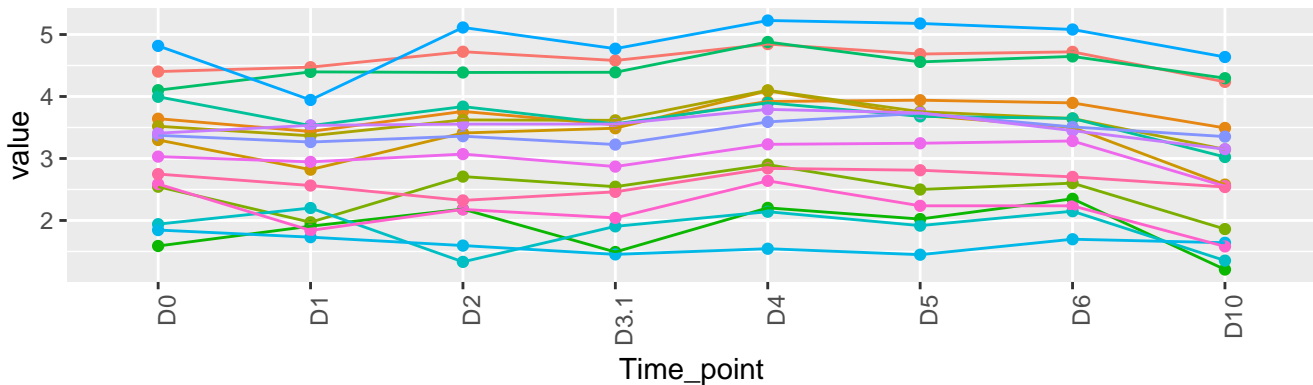
16 genes – WT-cluster-155-original



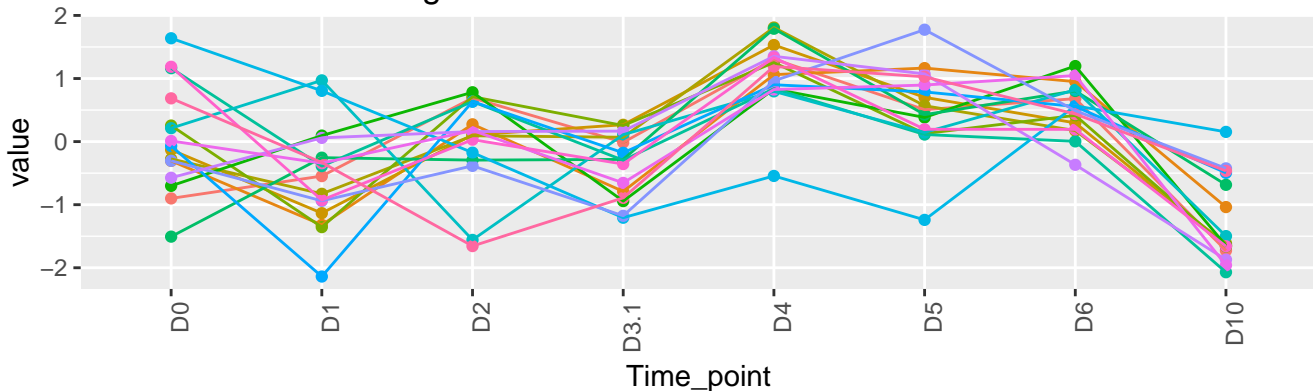
16 genes – WT-cluster-155-standardized



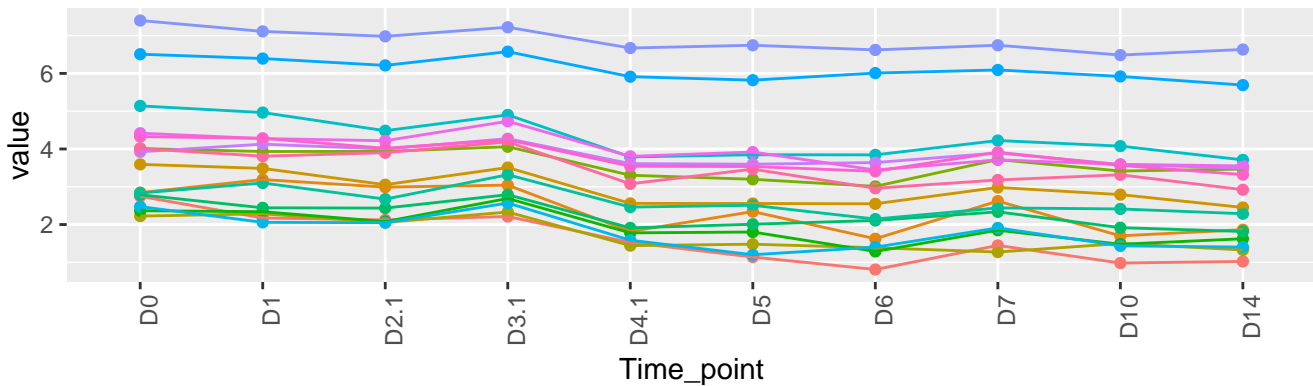
16 genes – KO-cluster-155-original



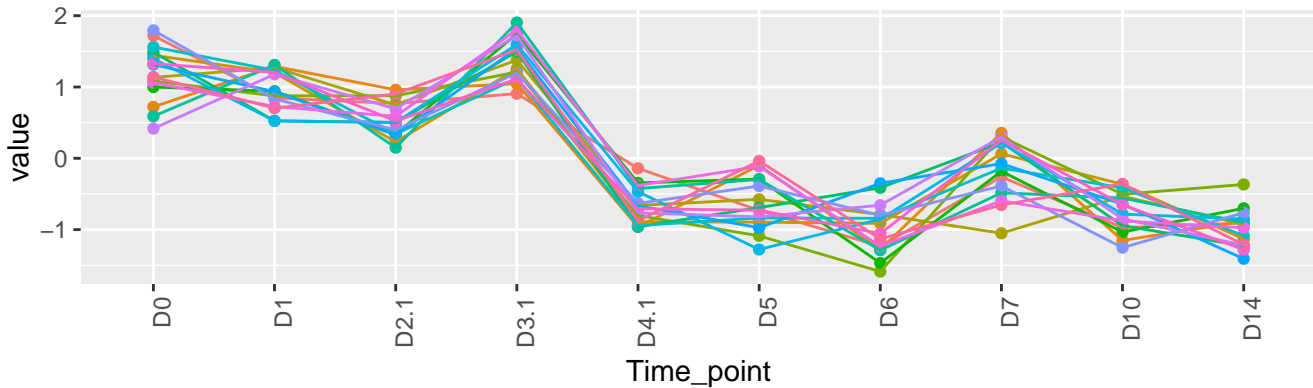
16 genes – KO-cluster-155-standardized



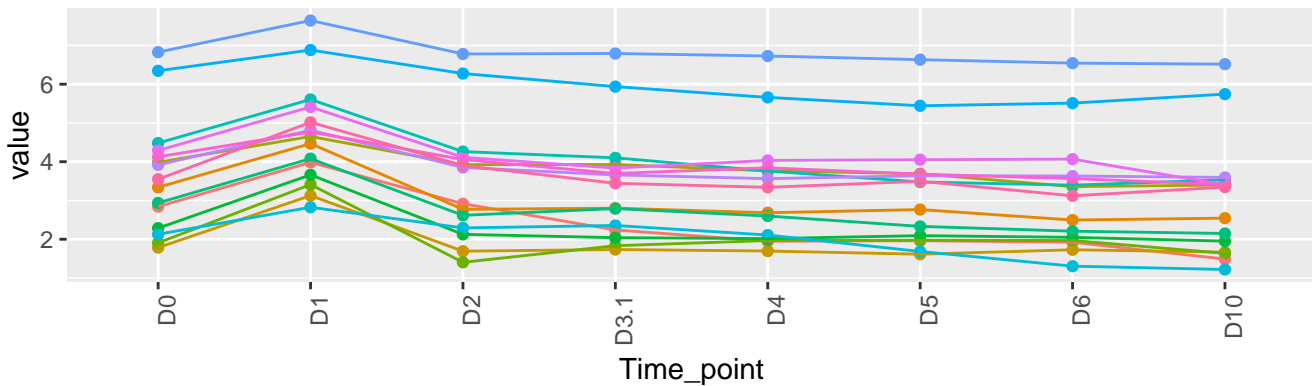
16 genes – WT-cluster-154-original



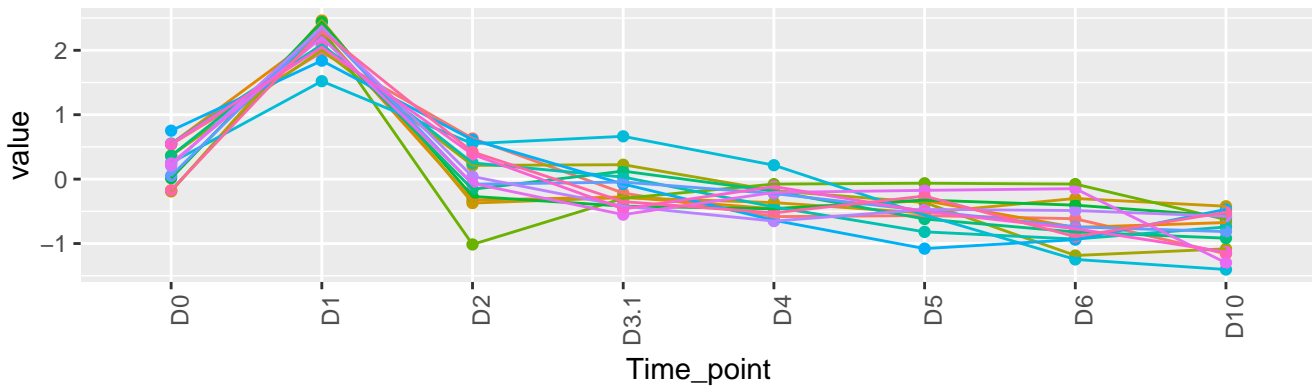
16 genes – WT-cluster-154-standardized



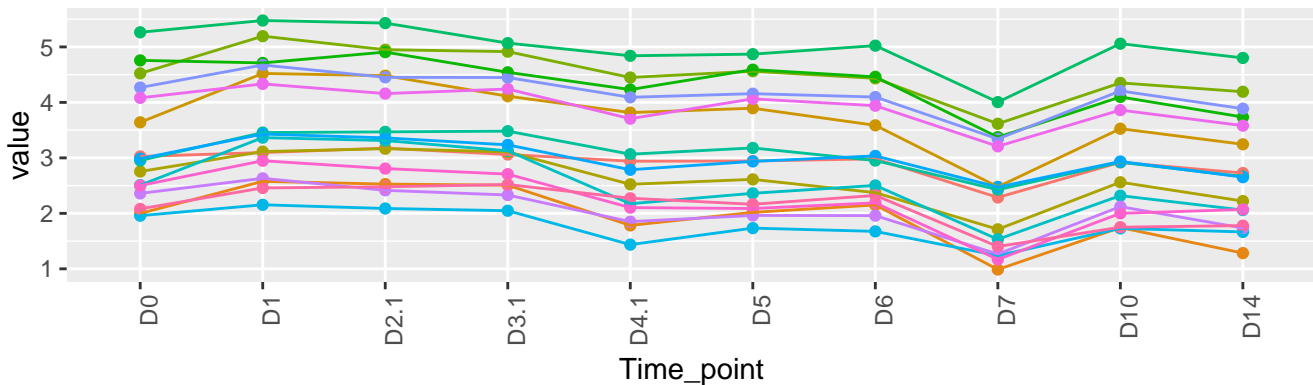
15 genes – KO-cluster-154-origina



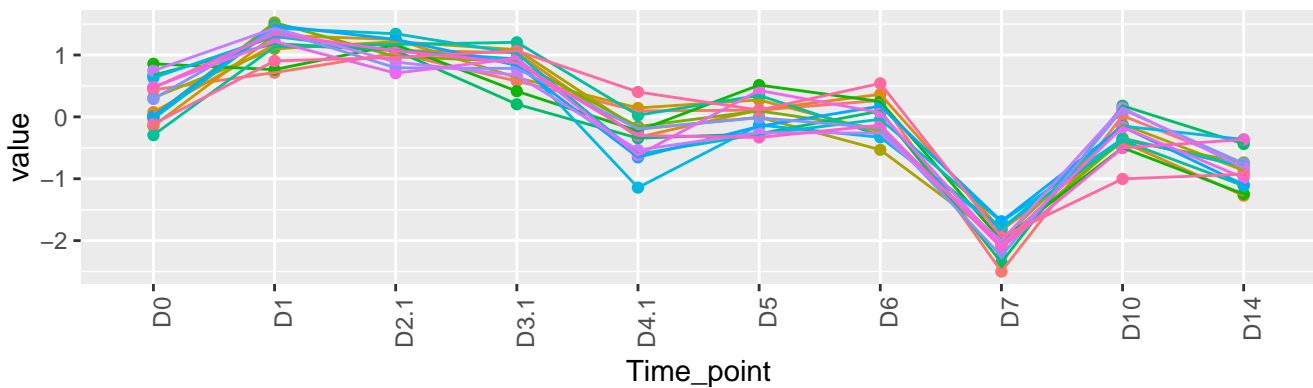
15 genes – KO-cluster-154-standardized



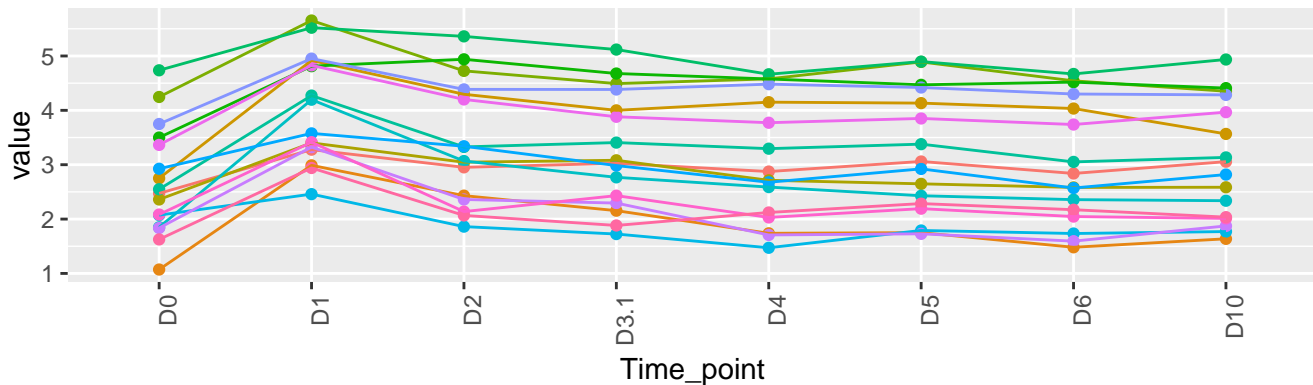
16 genes – WT-cluster-153-original



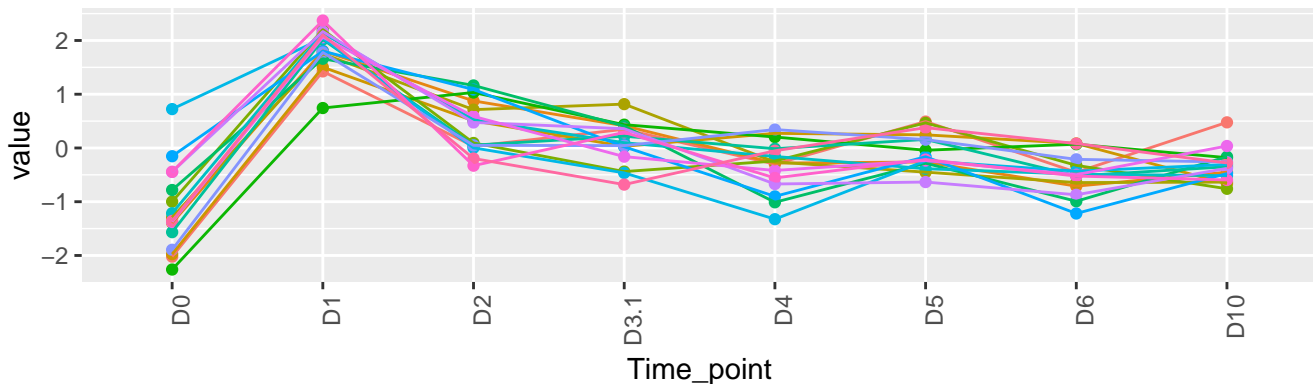
16 genes – WT-cluster-153-standardized



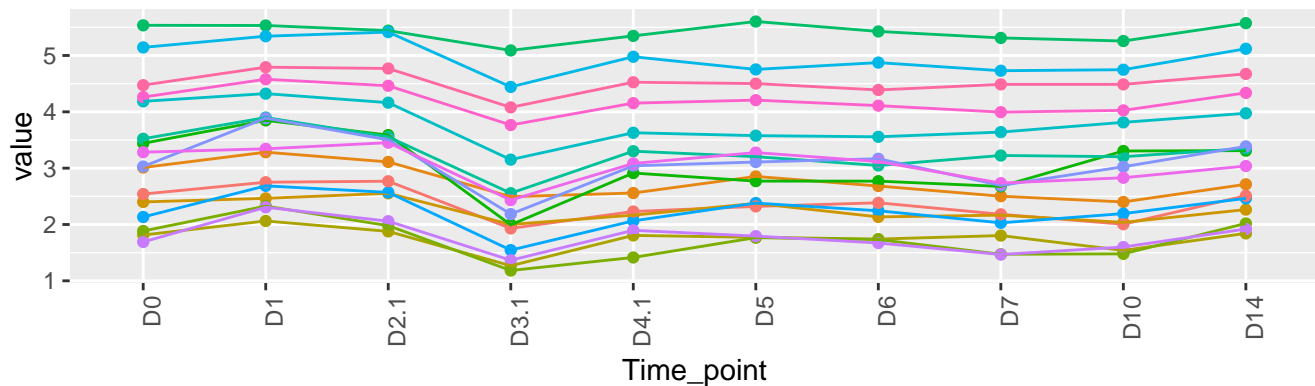
16 genes – KO-cluster-153-original



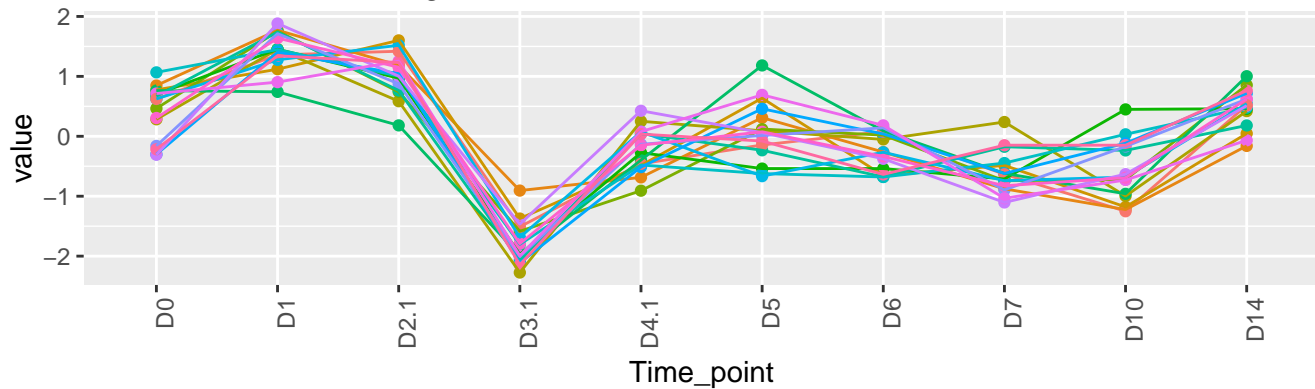
16 genes – KO-cluster-153-standardized



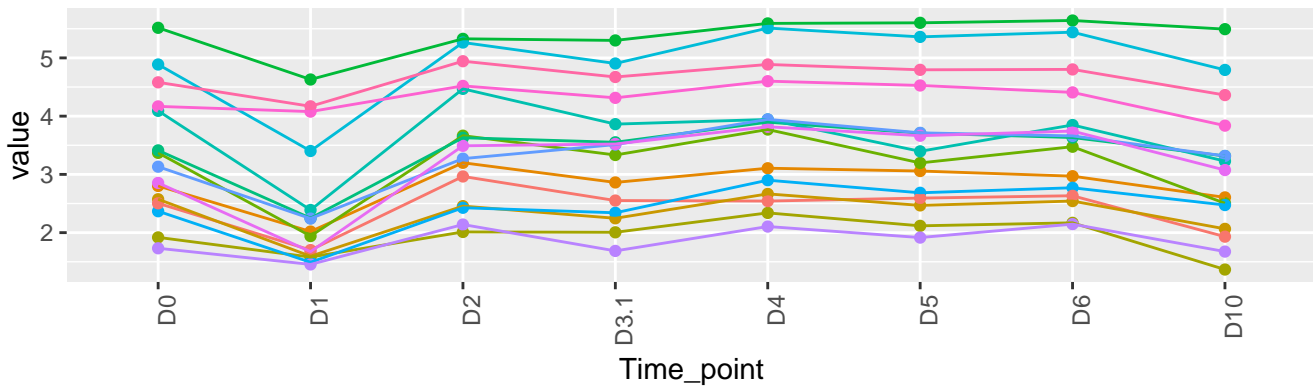
16 genes – WT-cluster-152-original



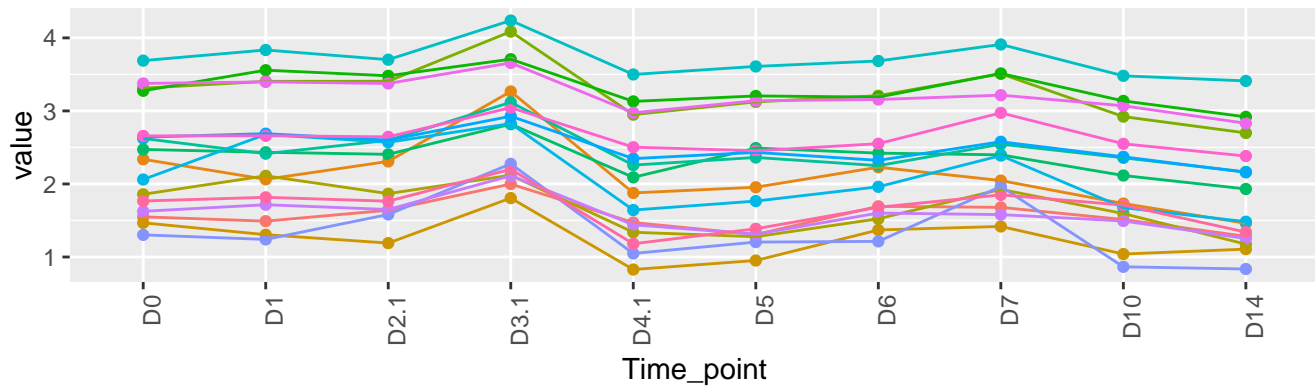
16 genes – WT-cluster-152-standardized



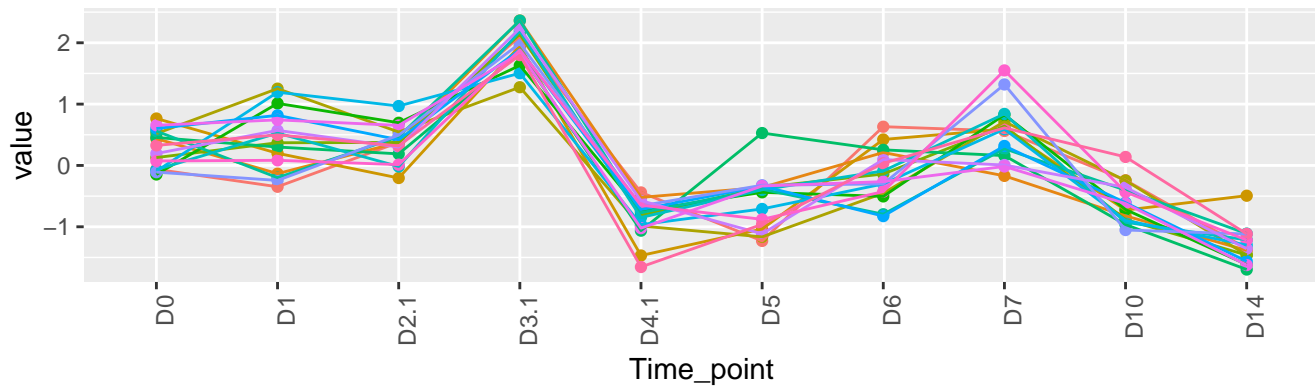
15 genes – KO-cluster-152-original



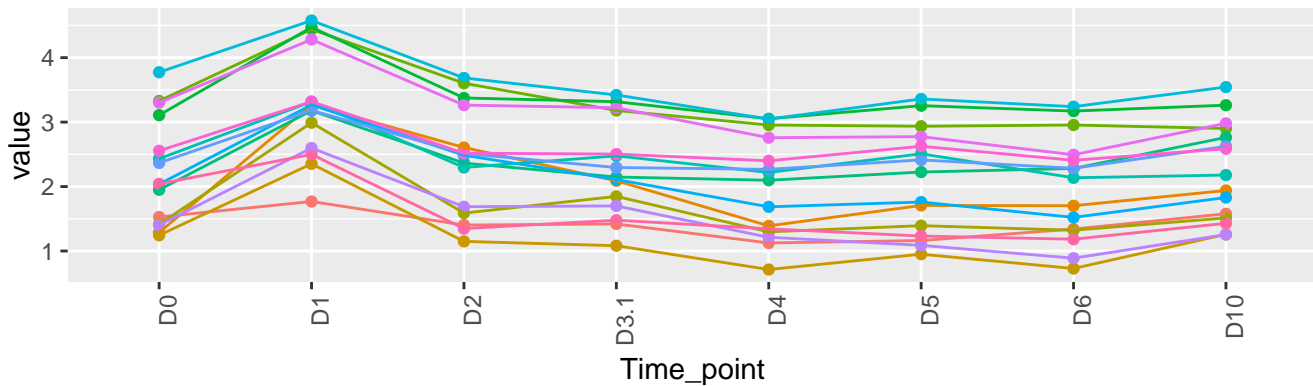
16 genes – WT-cluster-151-original



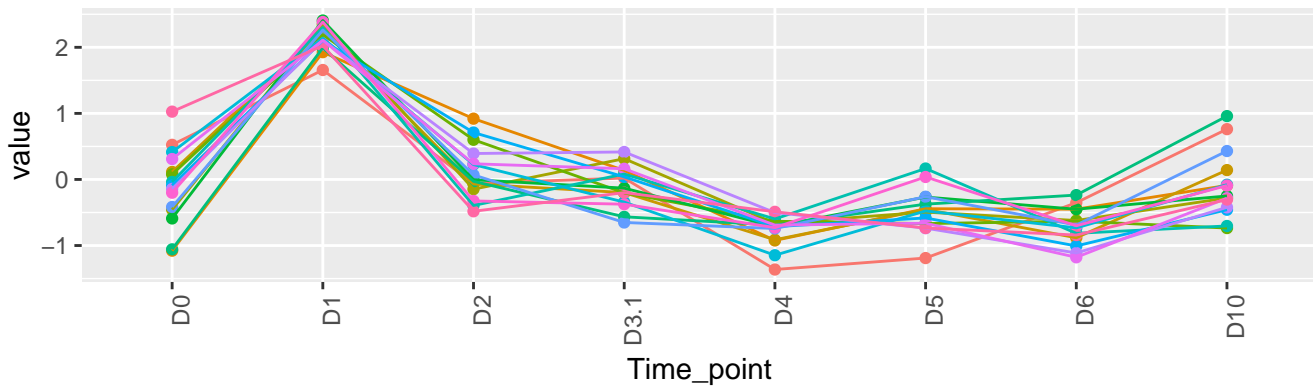
16 genes – WT-cluster-151-standardized



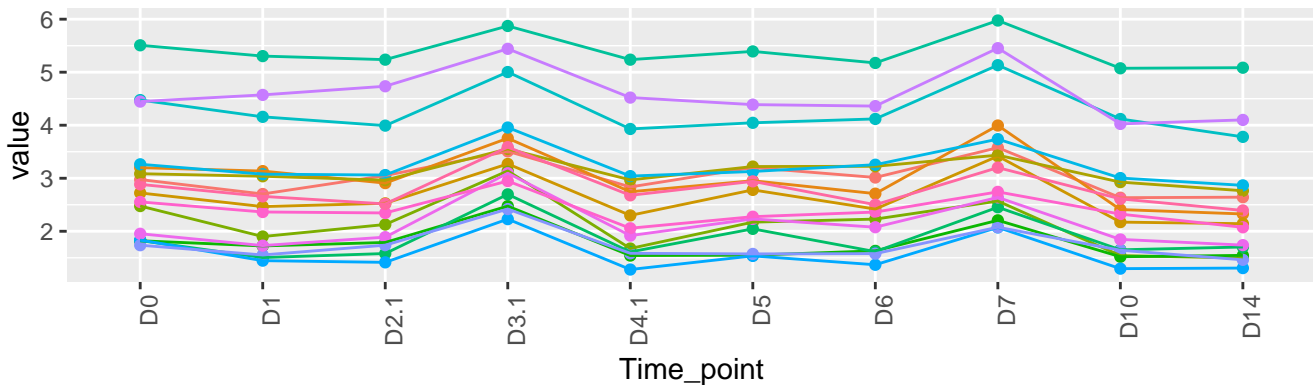
15 genes – KO-cluster-151-original



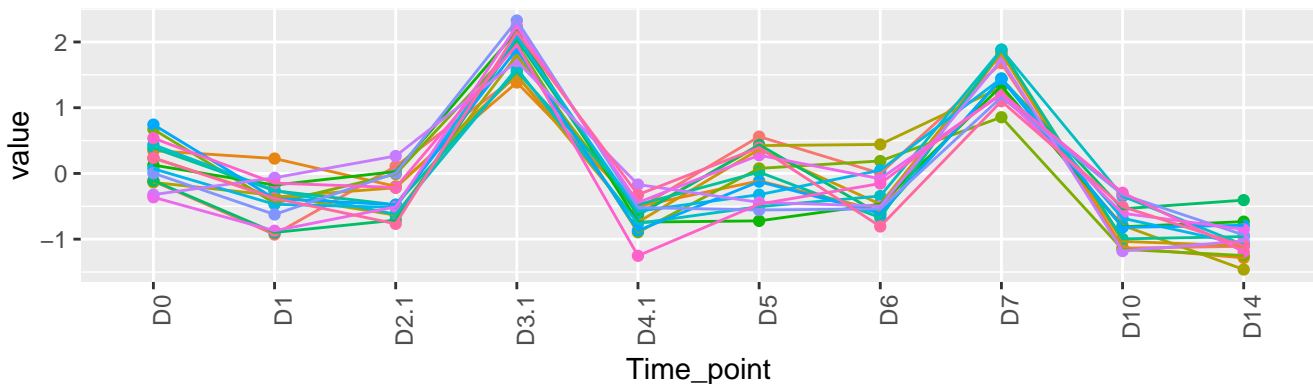
15 genes – KO-cluster-151-standardized



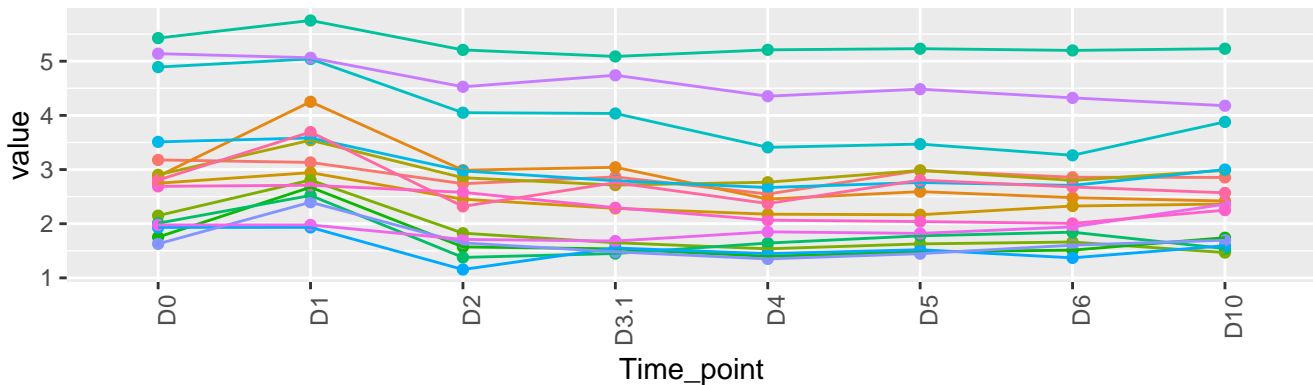
16 genes – WT-cluster-150-original



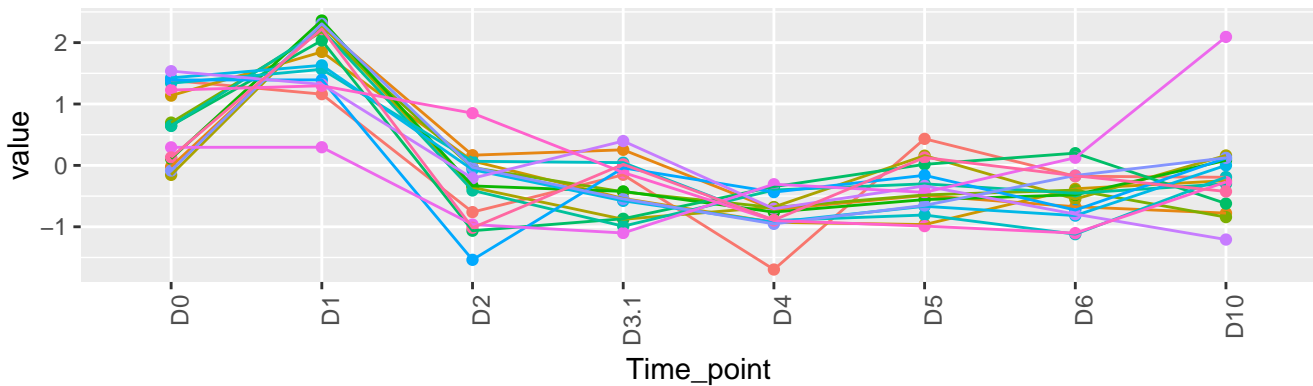
16 genes – WT-cluster-150-standardized



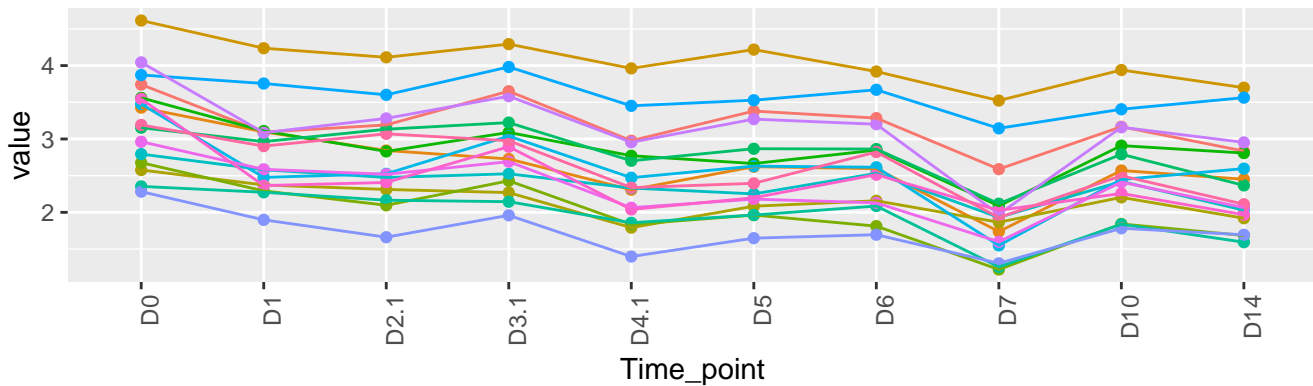
16 genes – KO-cluster-150-original



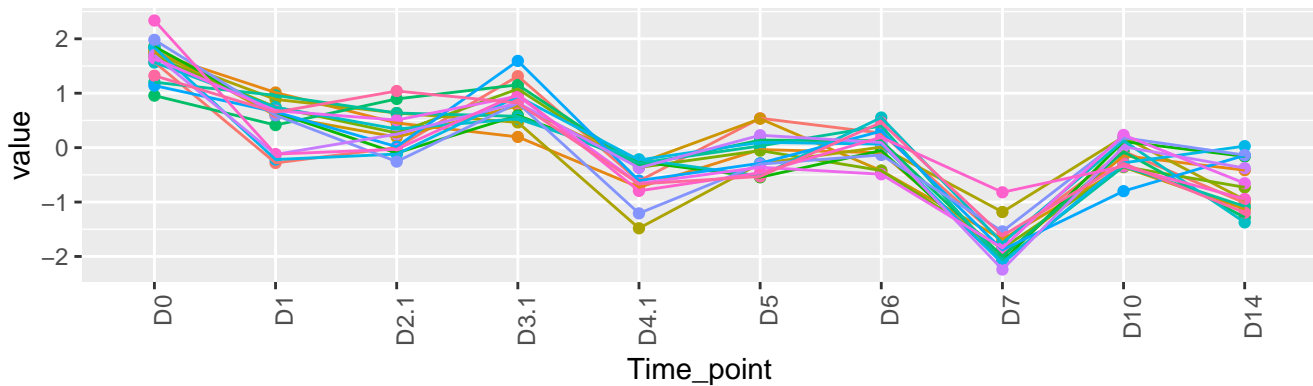
16 genes – KO-cluster-150-standardized



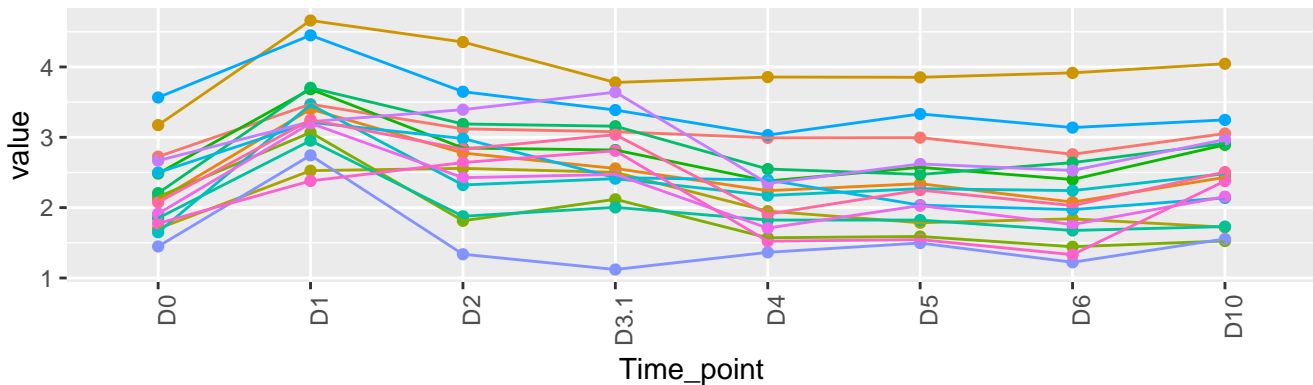
16 genes – WT-cluster-149-original



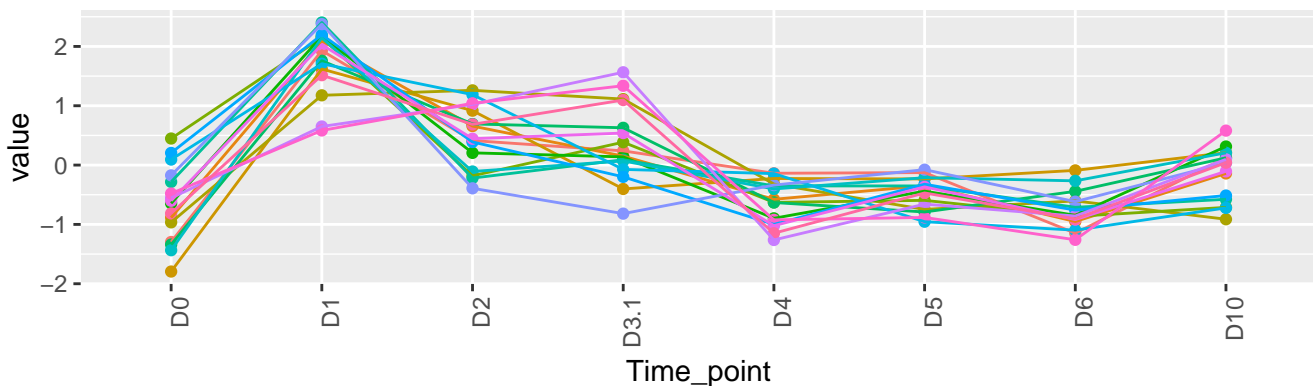
16 genes – WT-cluster-149-standardized



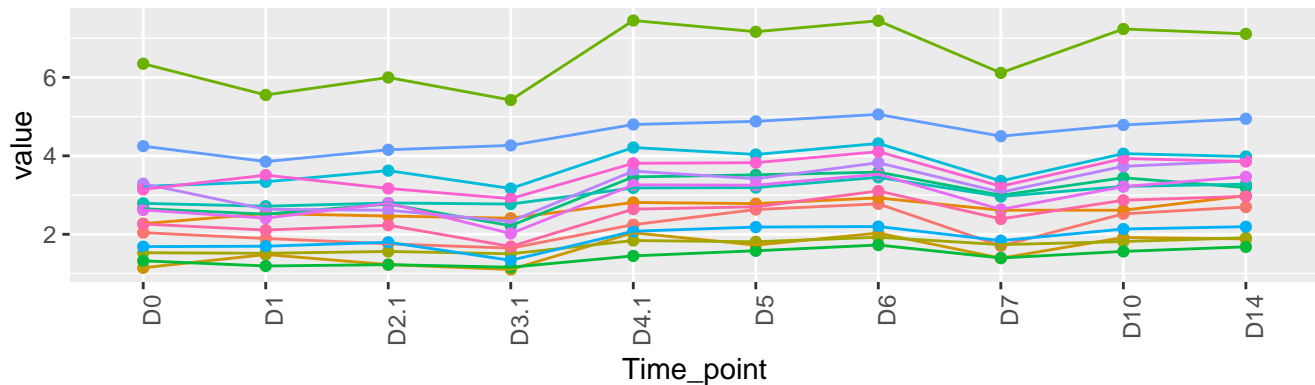
16 genes – KO-cluster-149-original



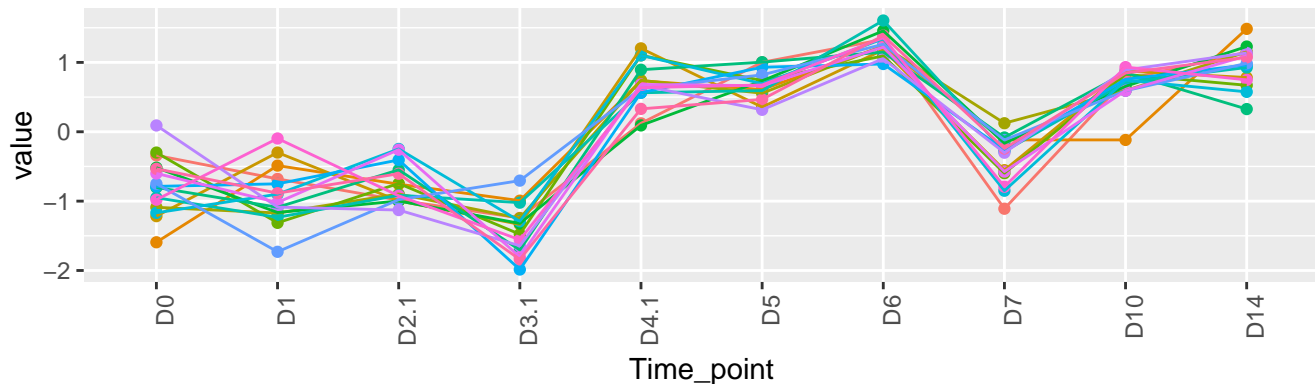
16 genes – KO-cluster-149-standardized



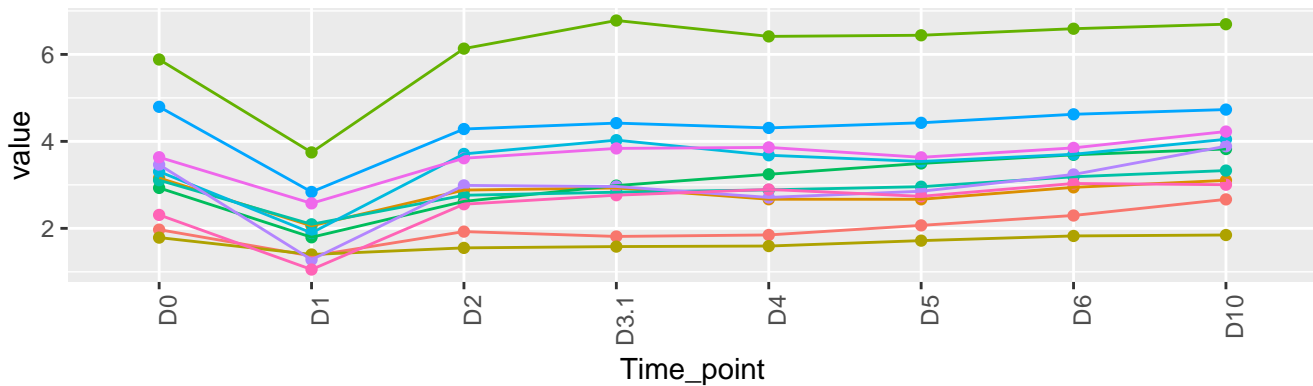
15 genes – WT-cluster-148-original



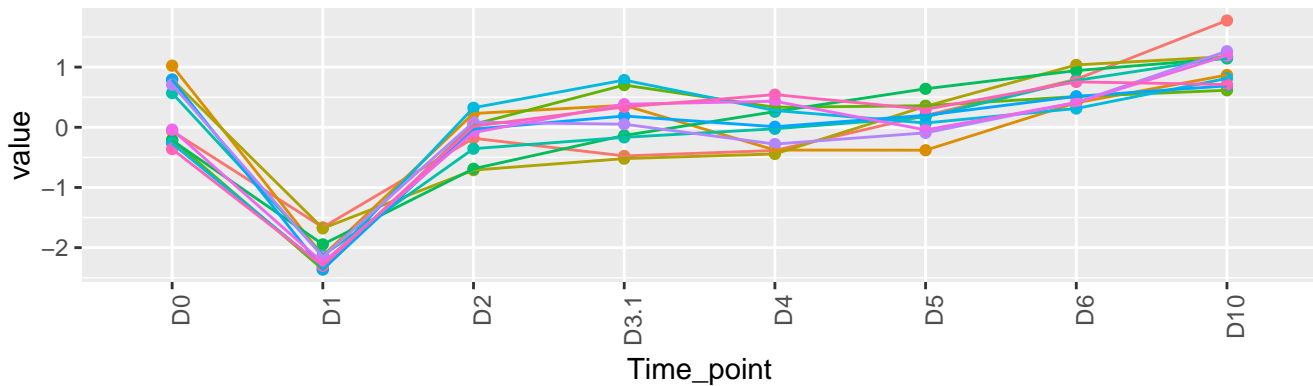
15 genes – WT-cluster-148-standardized



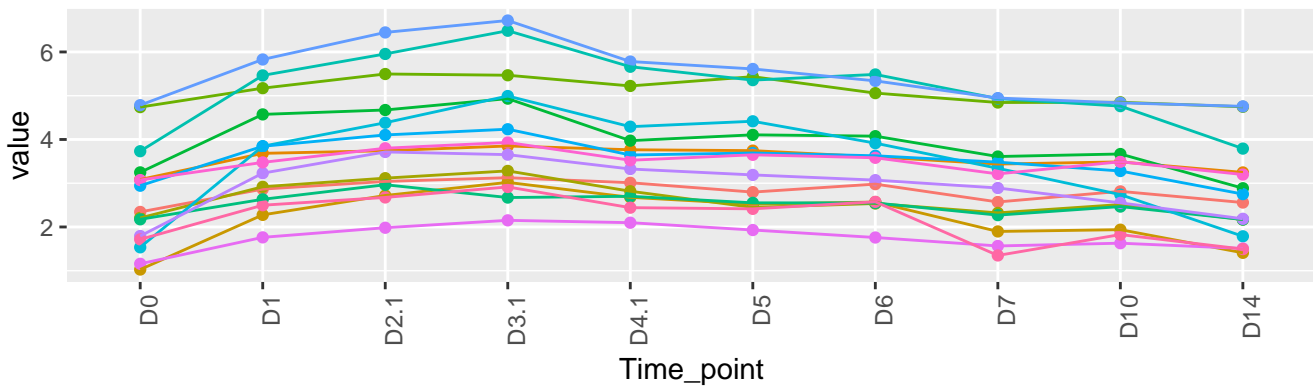
11 genes – KO-cluster-148-original



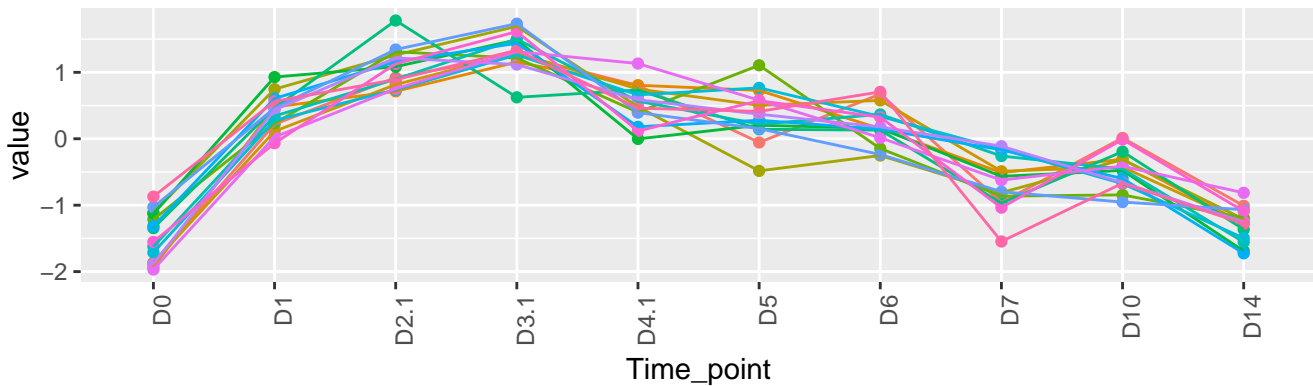
11 genes – KO-cluster-148-standardized



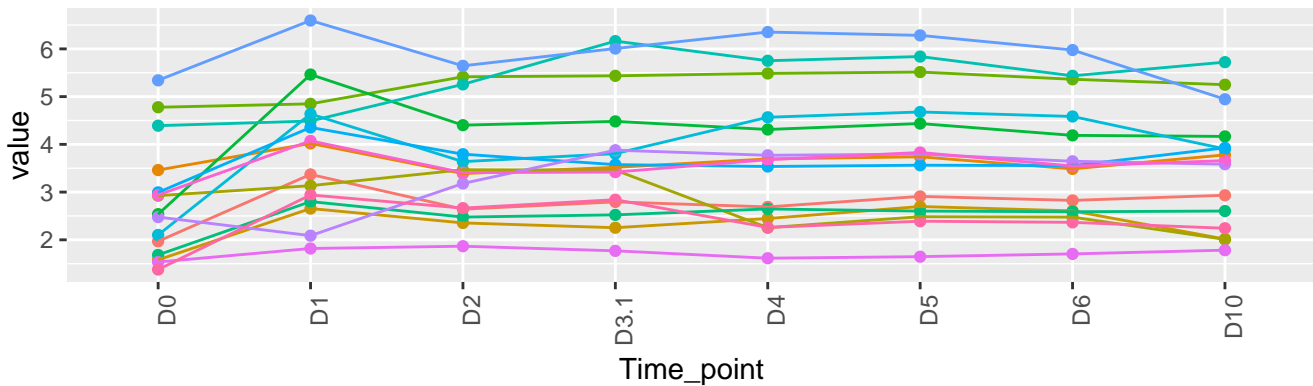
15 genes – WT-cluster-147-original



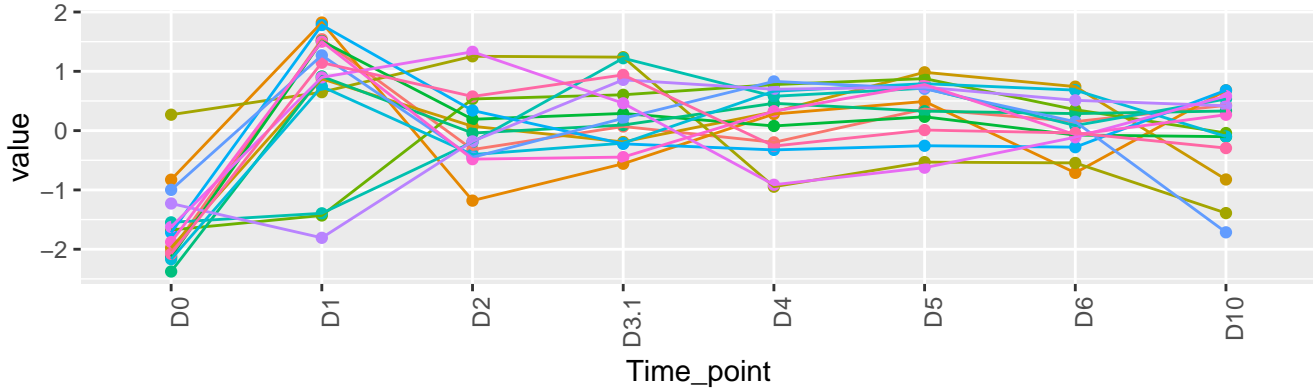
15 genes – WT-cluster-147-standardized



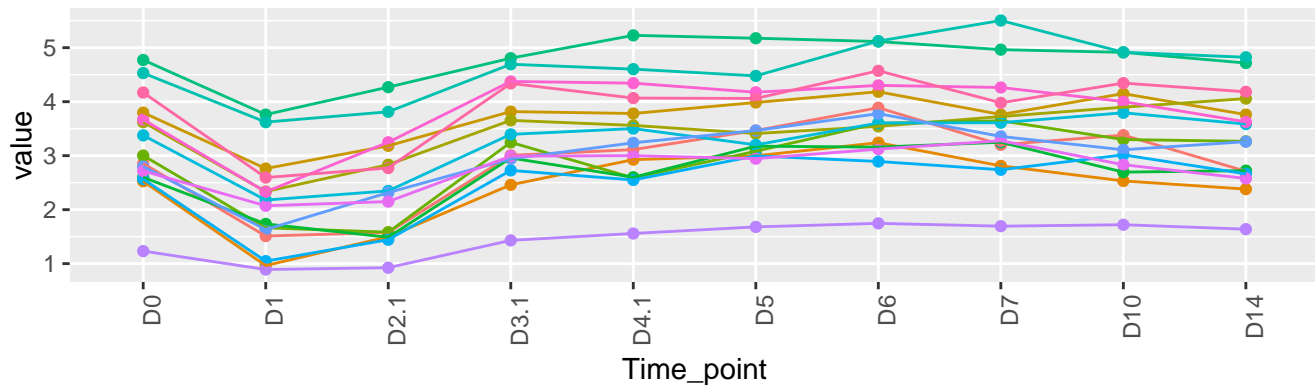
15 genes – KO-cluster-147-original



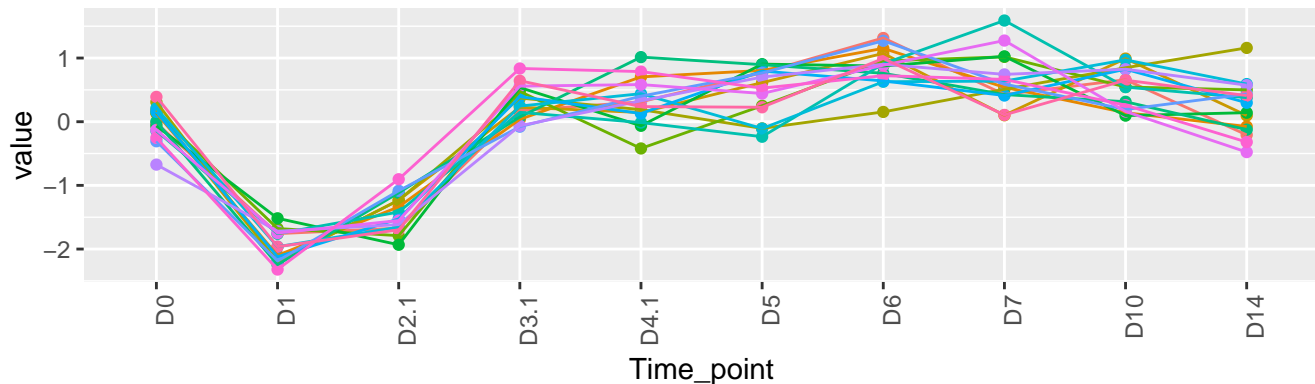
15 genes – KO-cluster-147-standardized



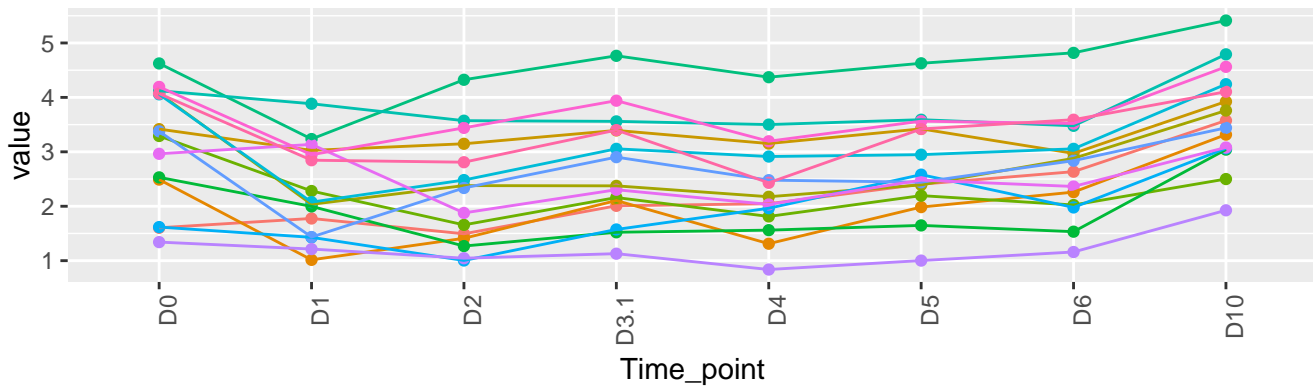
15 genes – WT-cluster-146-original



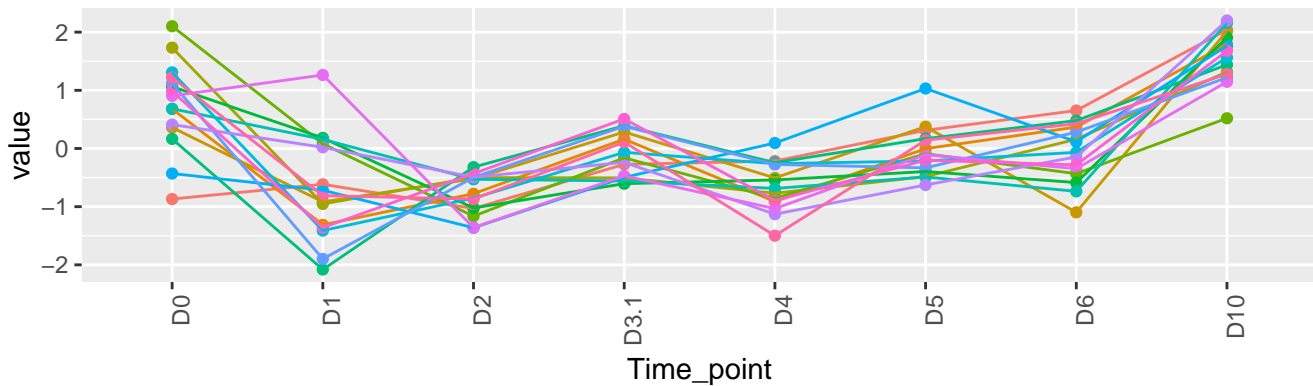
15 genes – WT-cluster-146-standardized



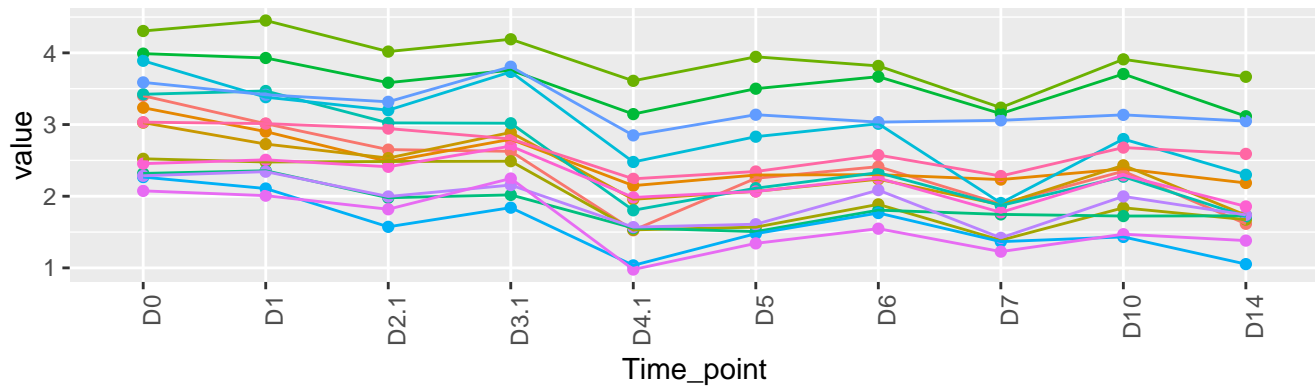
15 genes – KO-cluster-146-original



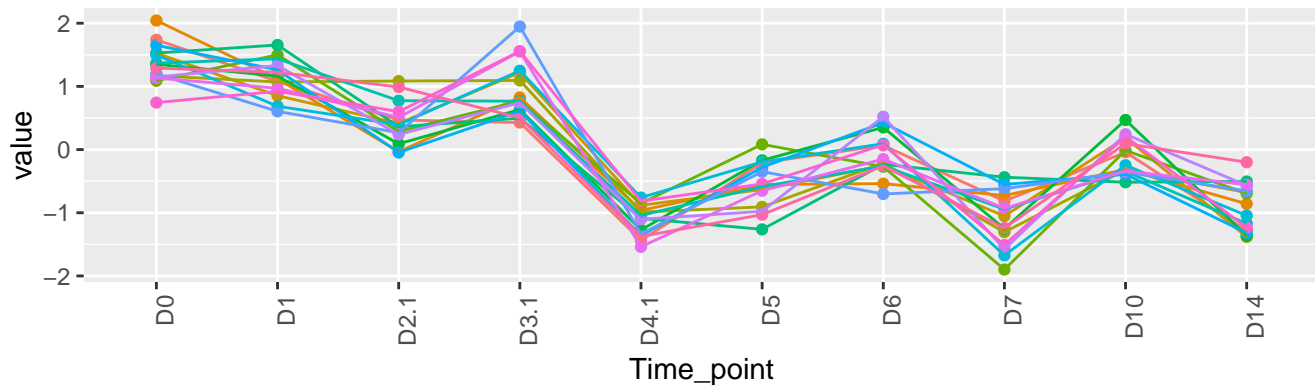
15 genes – KO-cluster-146-standardized



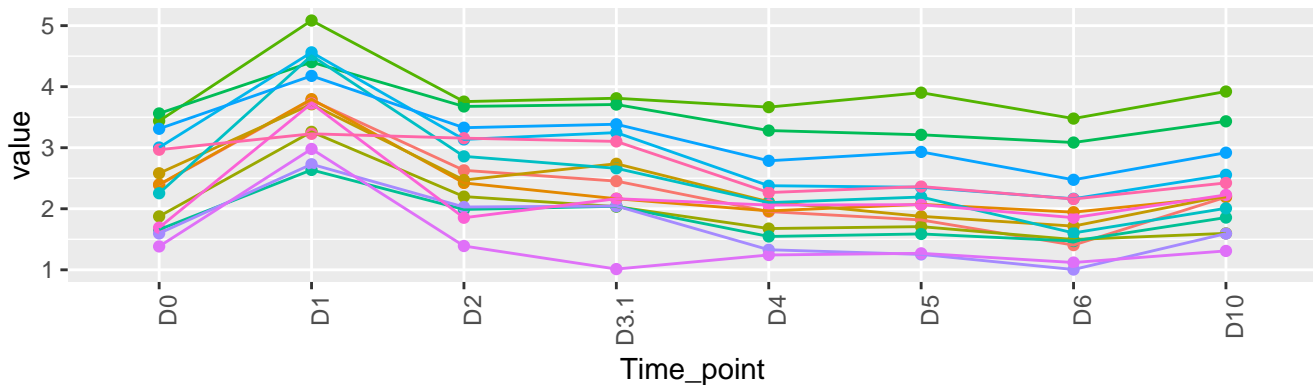
15 genes – WT-cluster-145-original



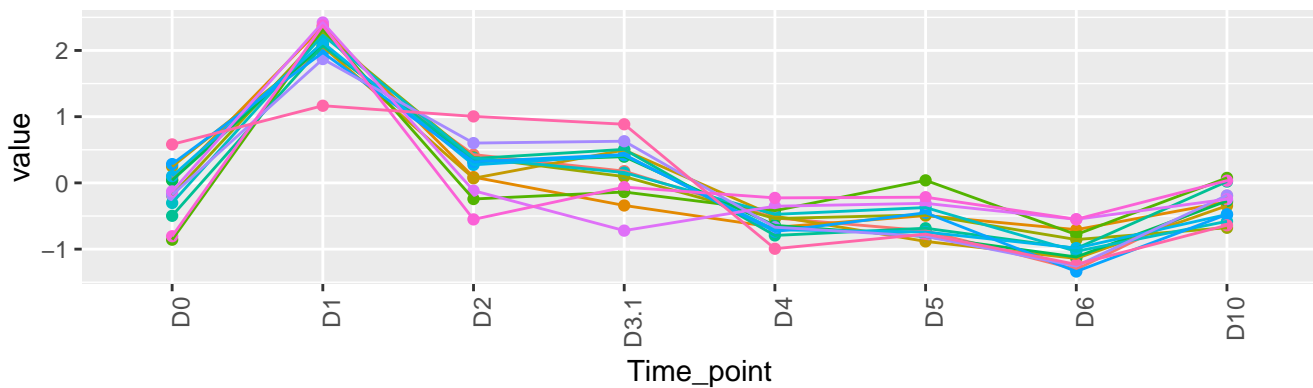
15 genes – WT-cluster-145-standardized



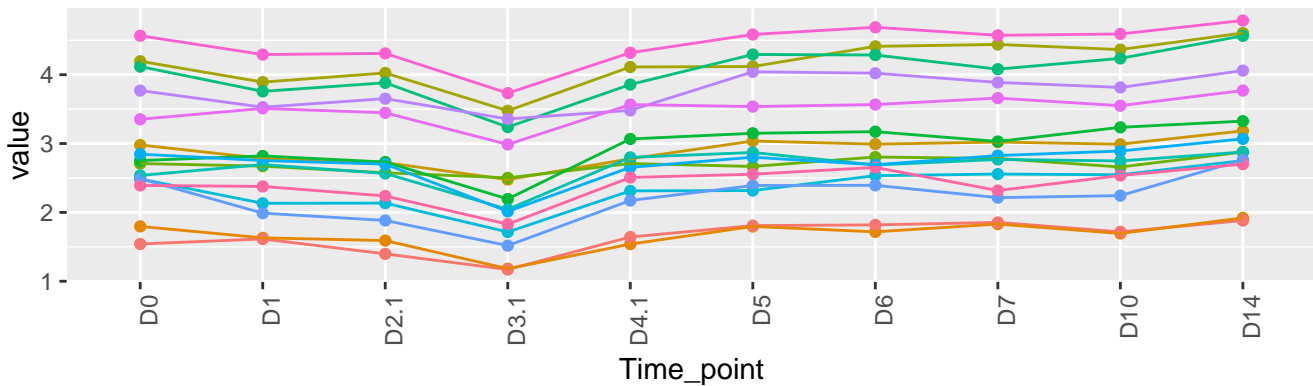
14 genes – KO-cluster-145-original



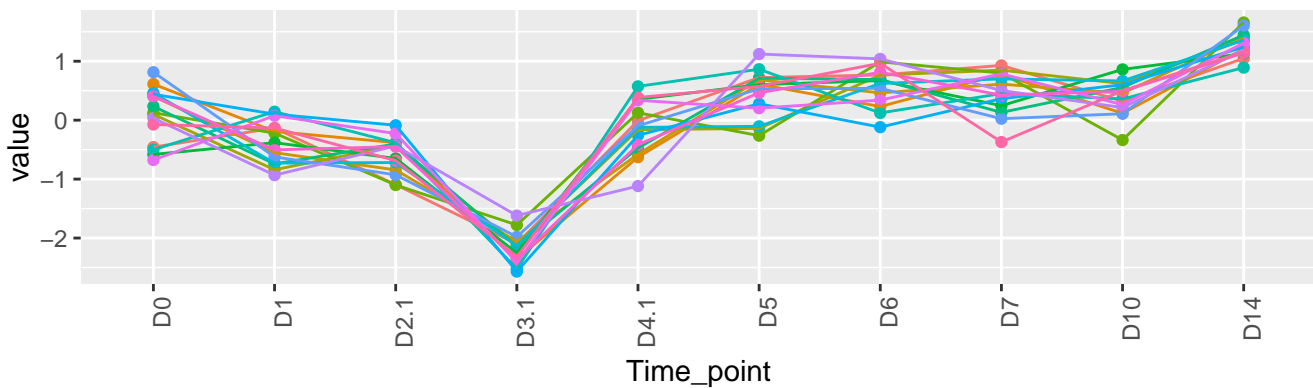
14 genes – KO-cluster-145-standardized



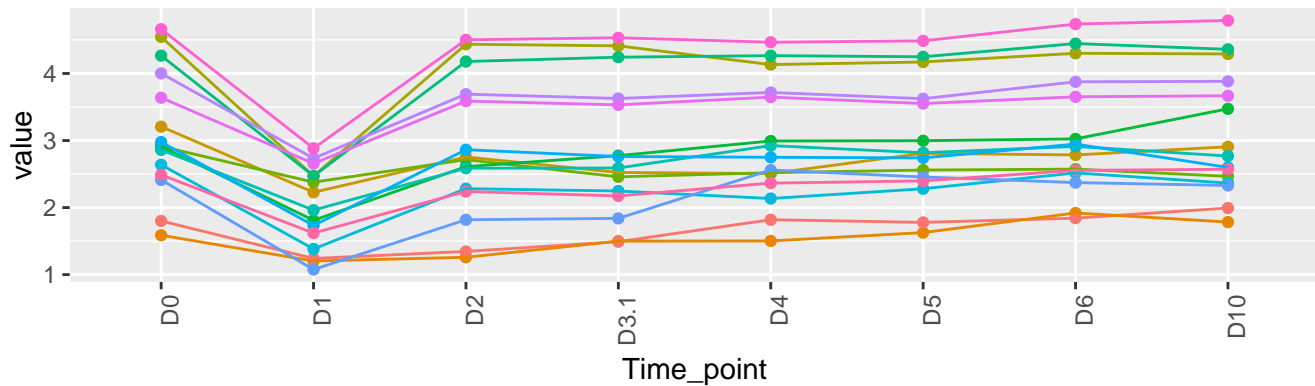
15 genes – WT-cluster-144-original



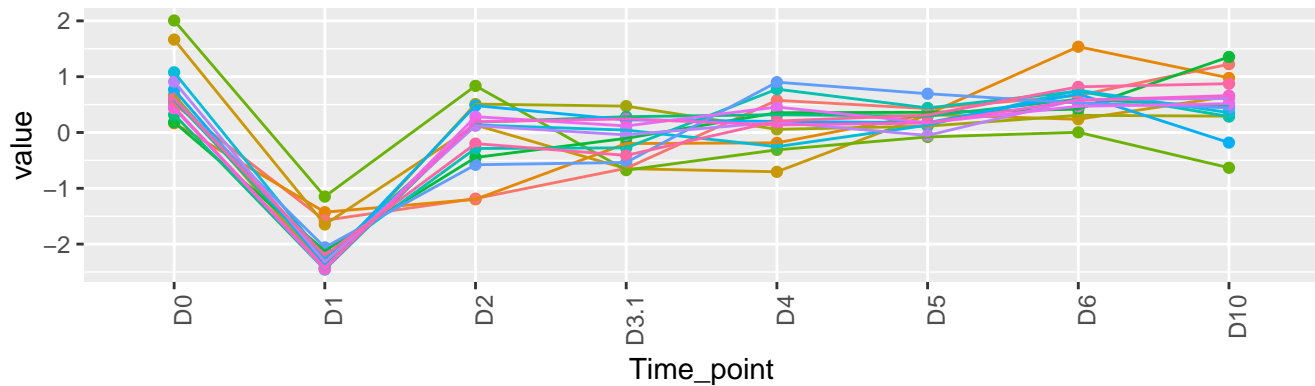
15 genes – WT-cluster-144-standardized



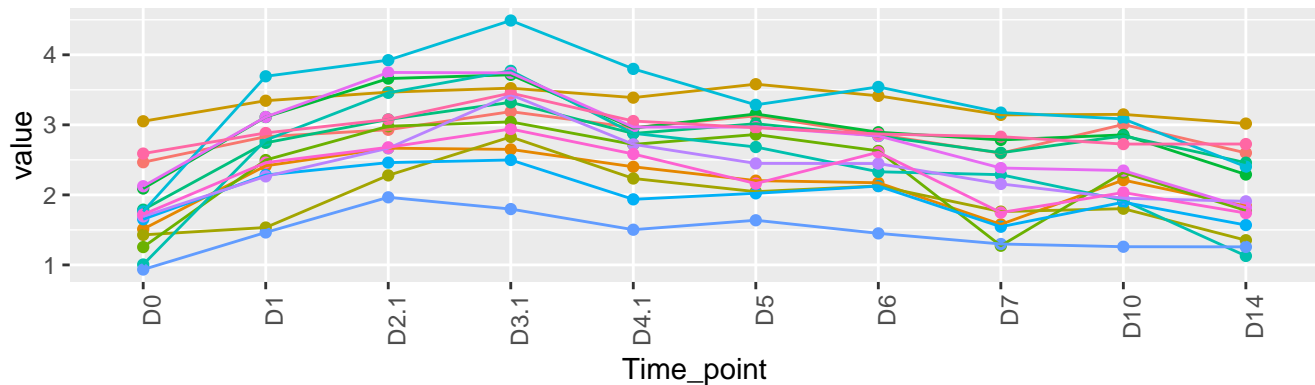
15 genes – KO-cluster-144-original



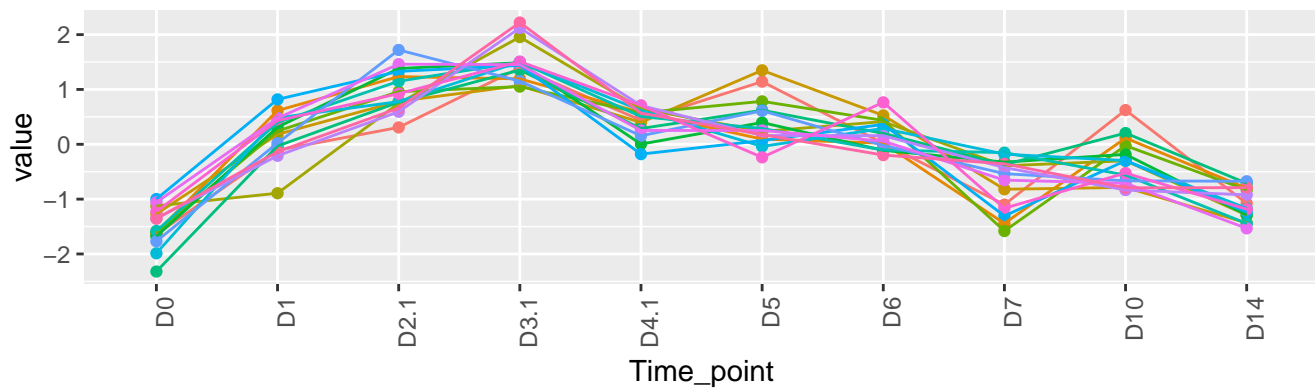
15 genes – KO-cluster-144-standardized



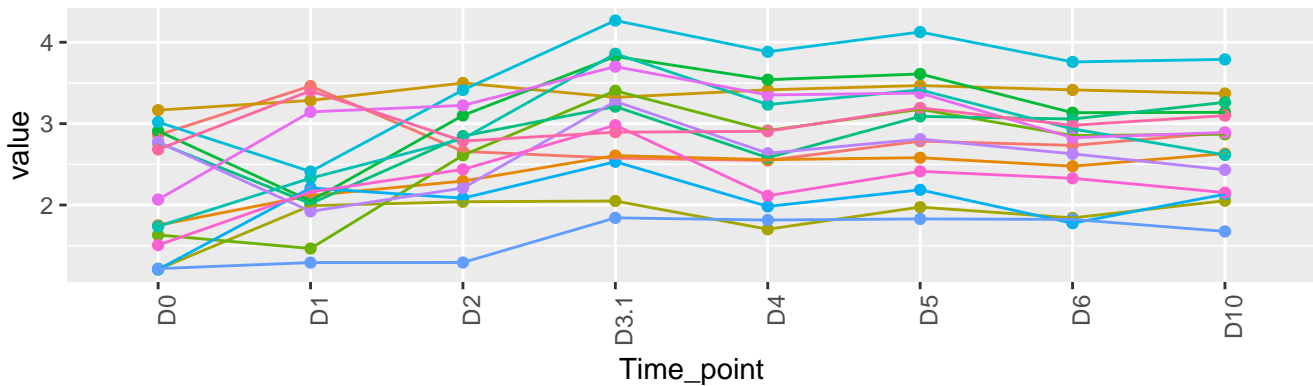
15 genes – WT-cluster-143-original



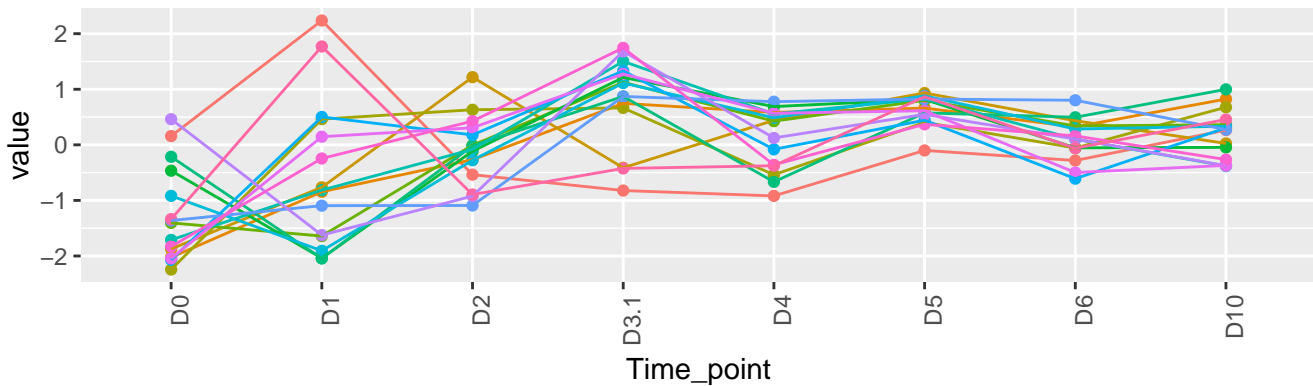
15 genes – WT-cluster-143-standardized



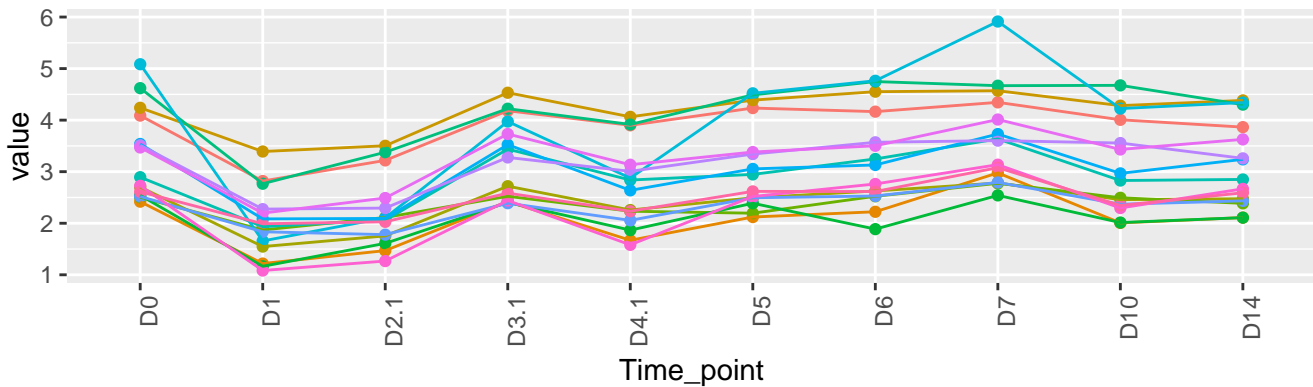
15 genes – KO-cluster-143-original



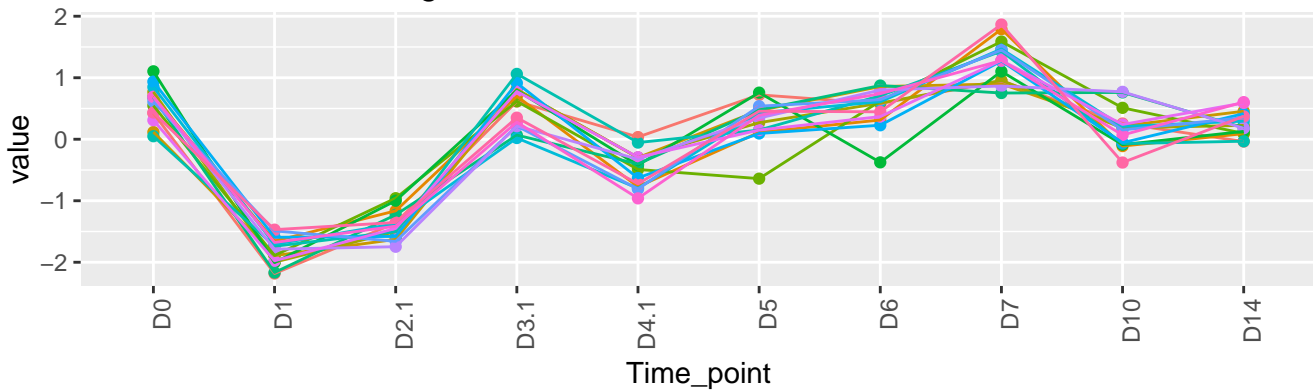
15 genes – KO-cluster-143-standardized



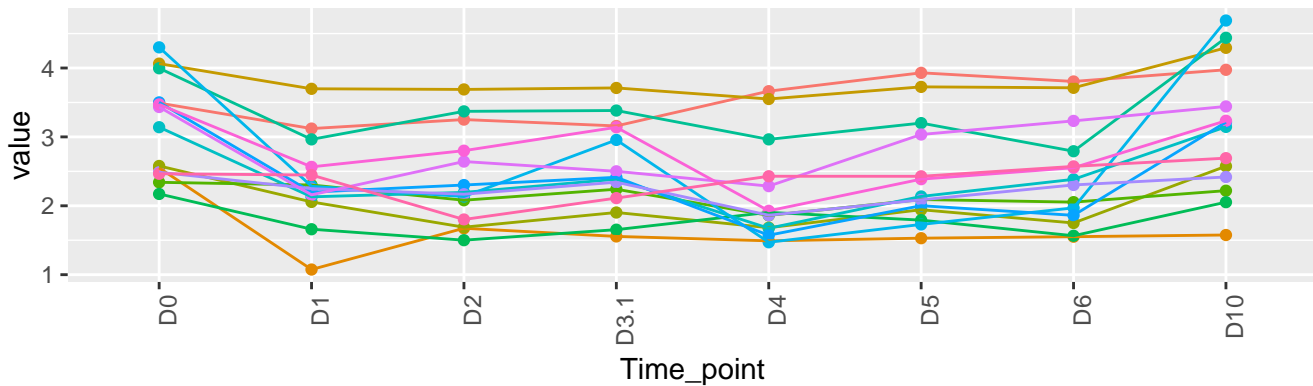
15 genes – WT-cluster-142-original



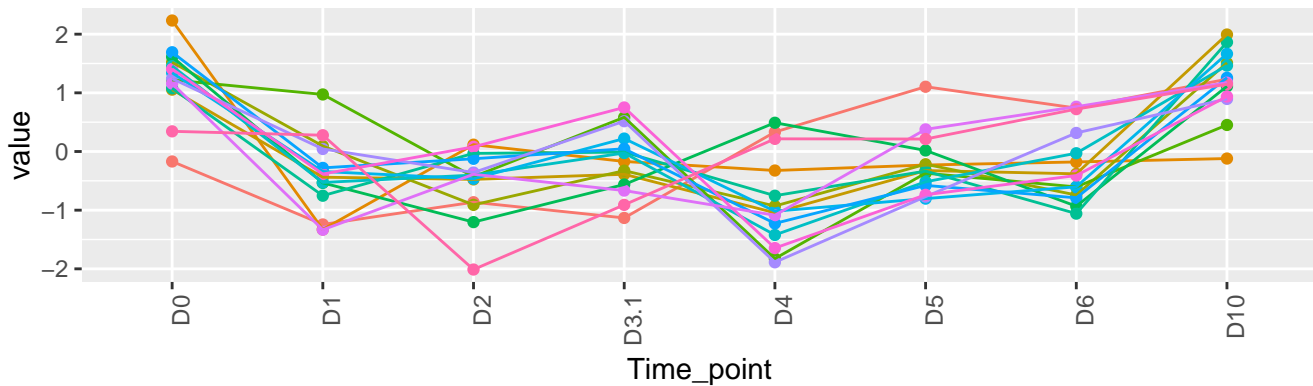
15 genes – WT-cluster-142-standardized



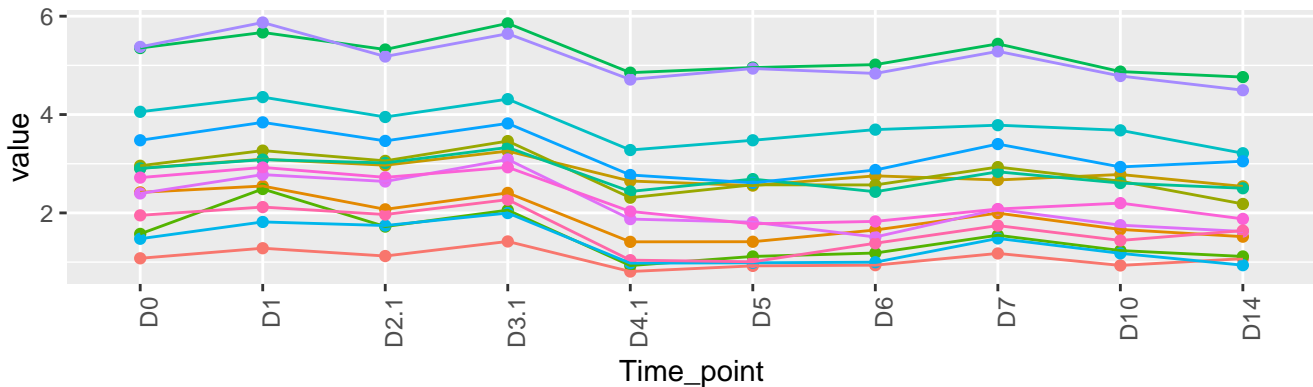
14 genes – KO-cluster-142-original



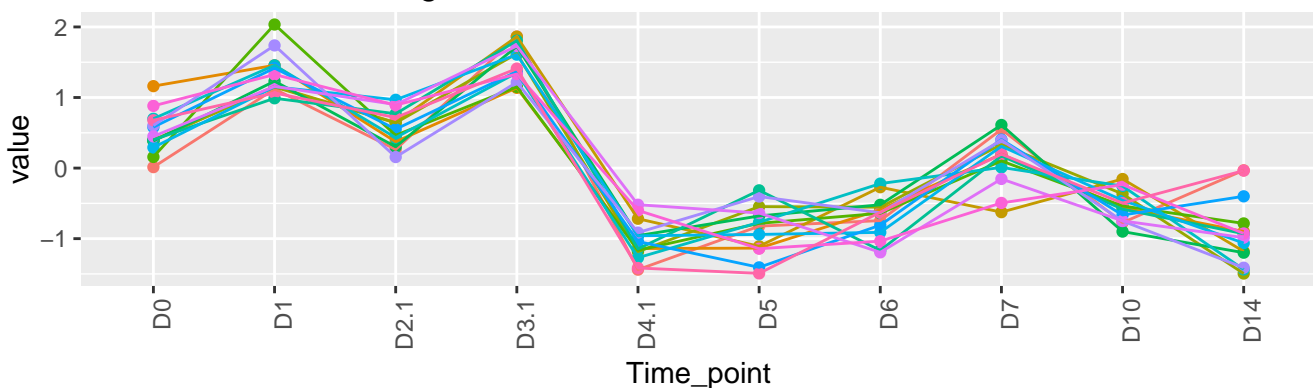
14 genes – KO-cluster-142-standardized



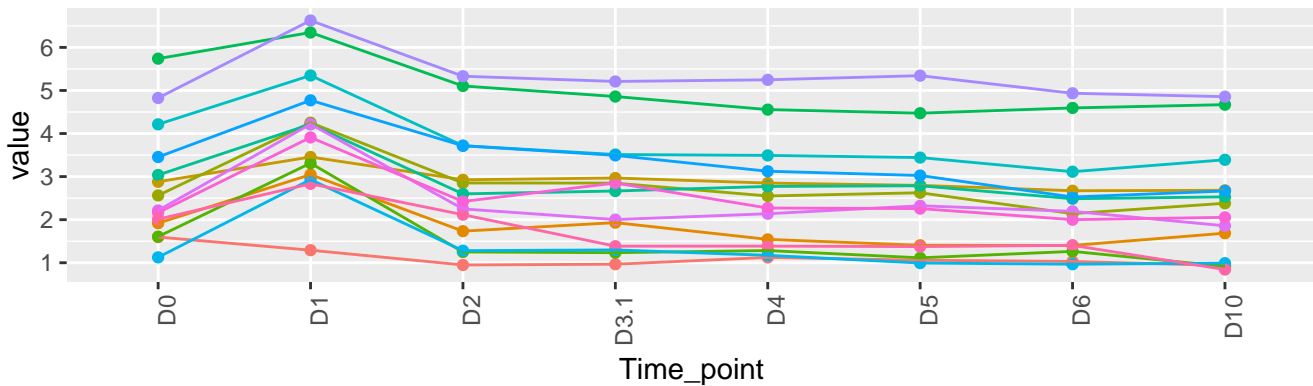
14 genes – WT-cluster-141-original



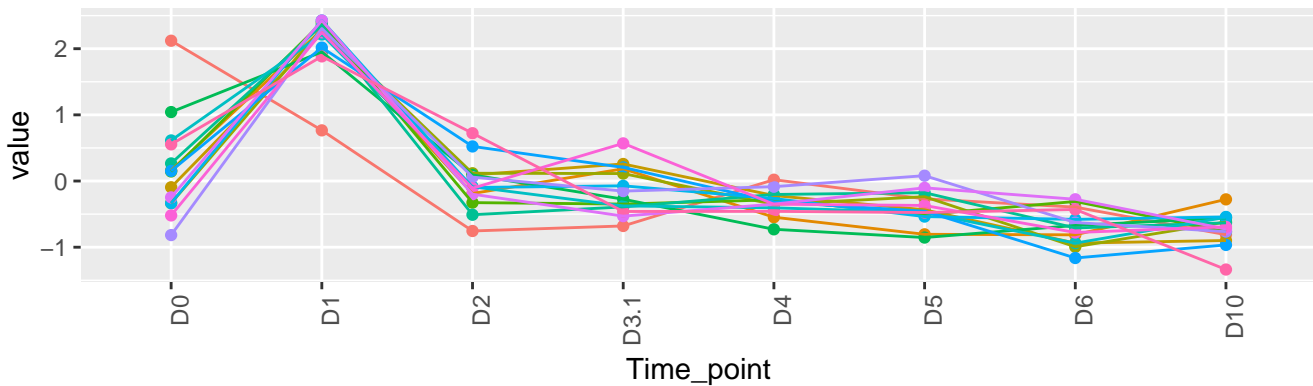
14 genes – WT-cluster-141-standardized



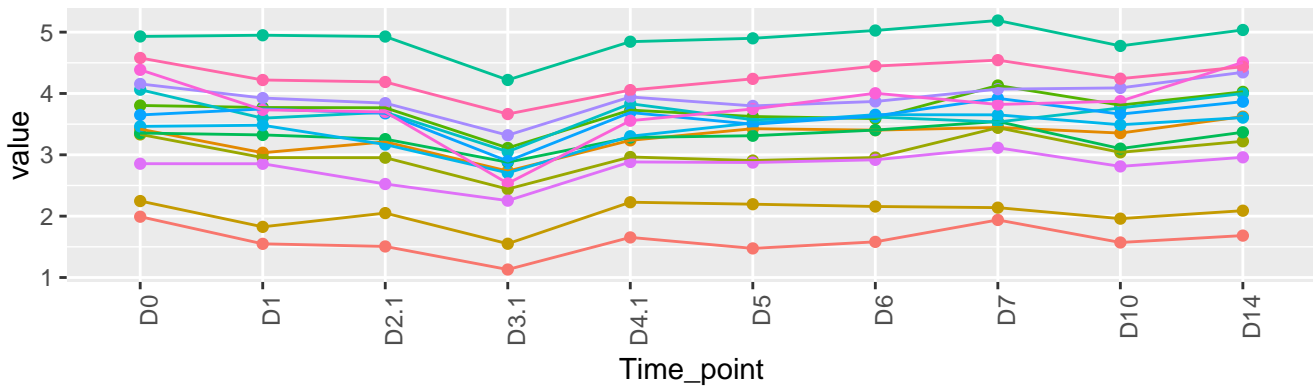
14 genes – KO-cluster-141-original



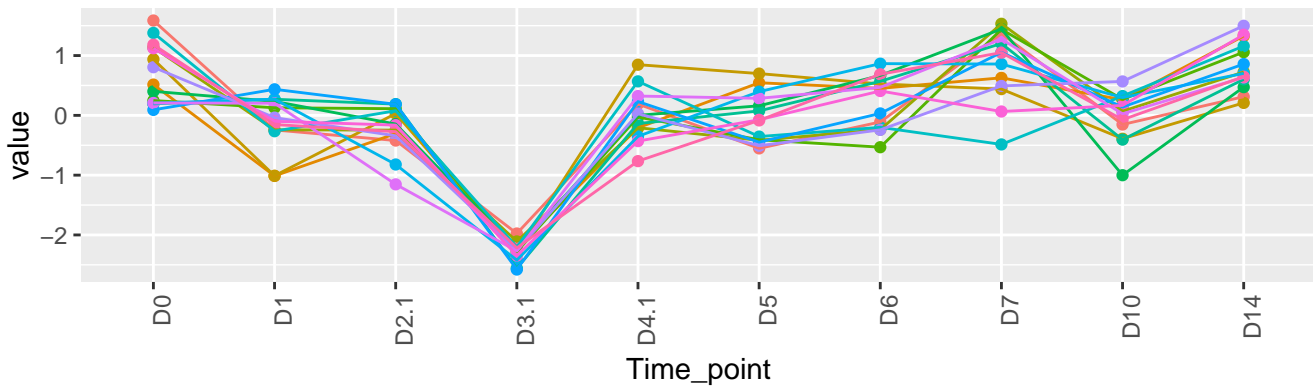
14 genes – KO-cluster-141-standardized



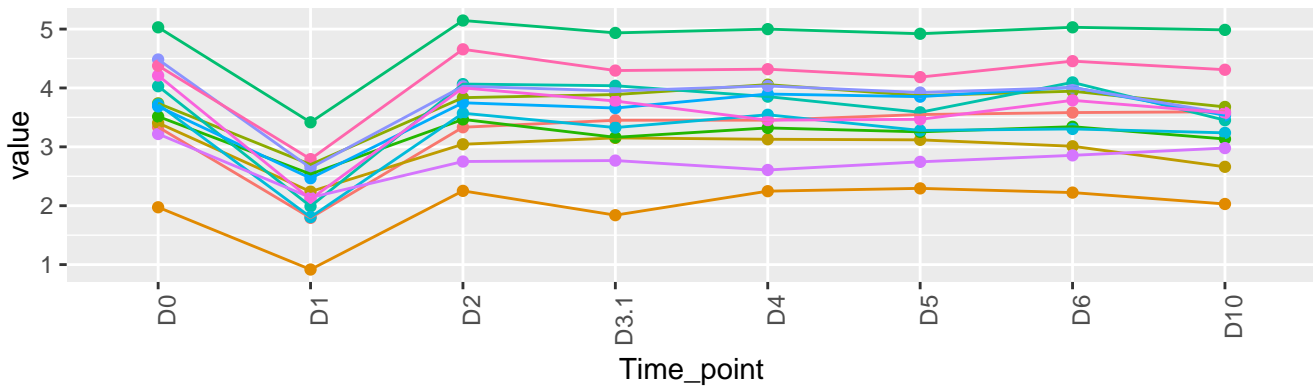
14 genes – WT-cluster-140-original



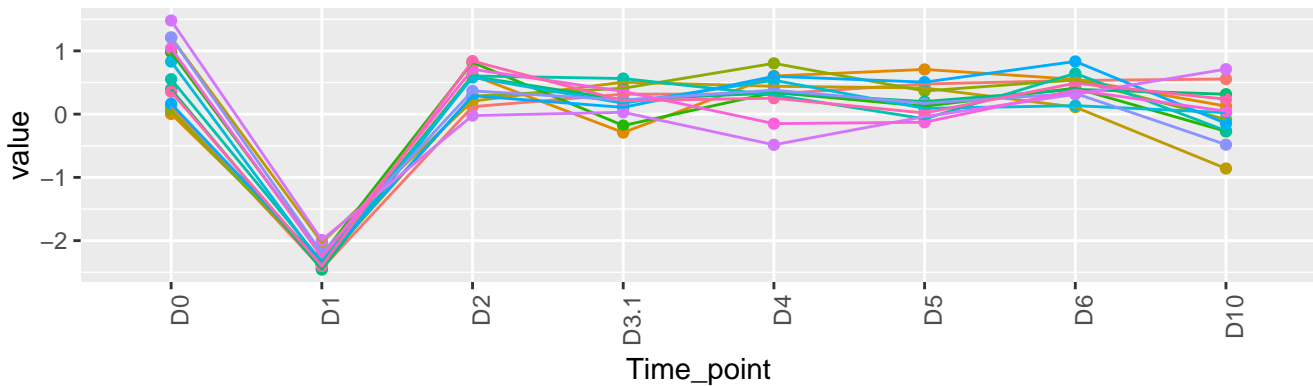
14 genes – WT-cluster-140-standardized



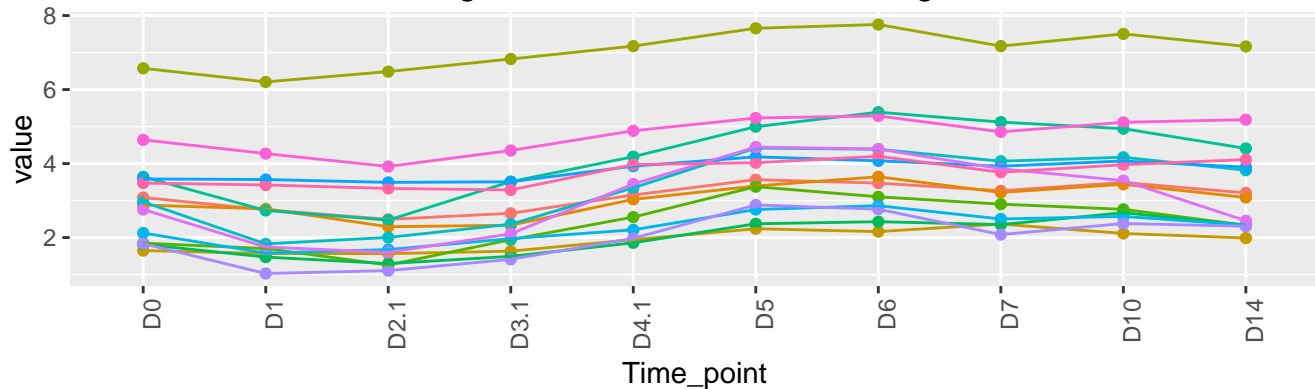
13 genes – KO-cluster-140-original



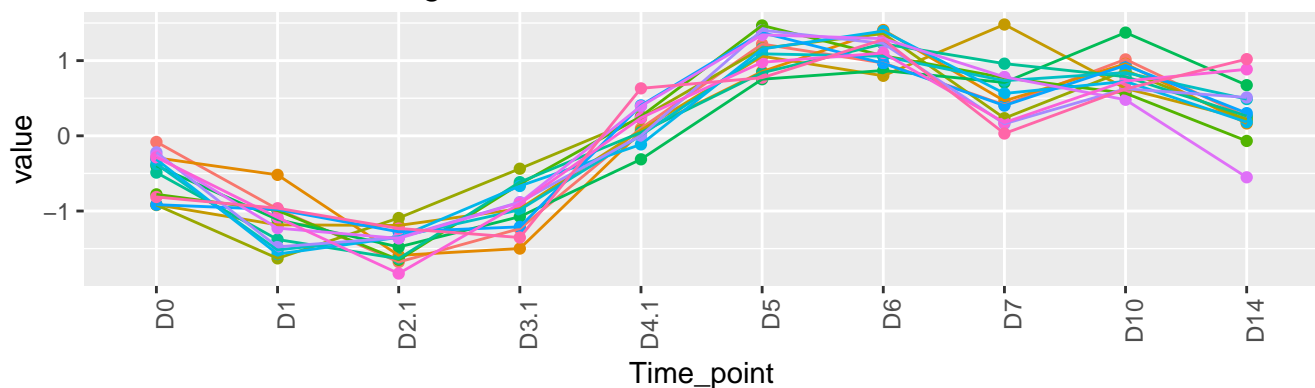
13 genes – KO-cluster-140-standardized



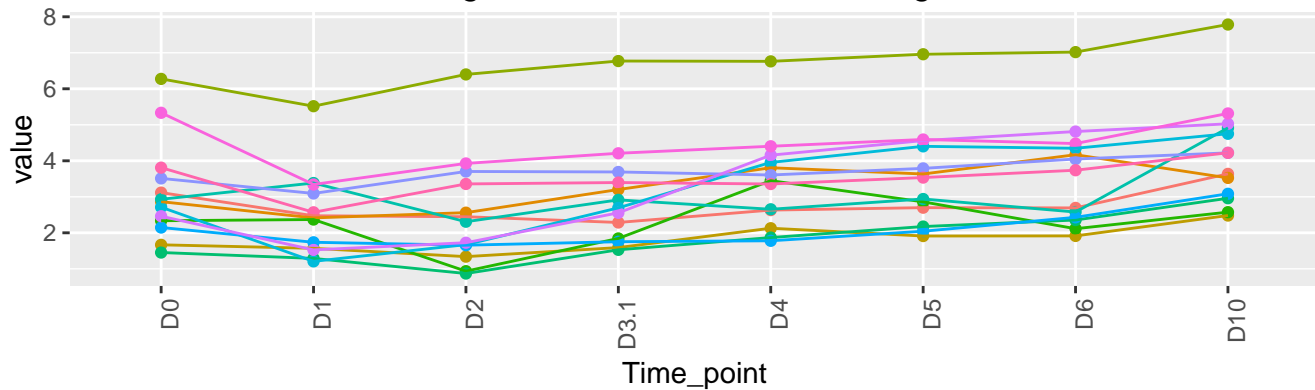
14 genes – WT-cluster-139-original



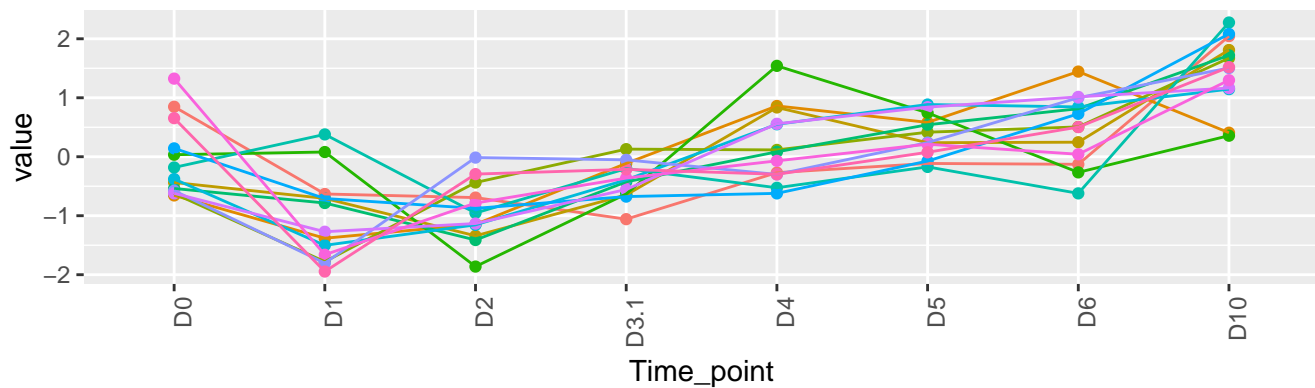
14 genes – WT-cluster-139-standardized



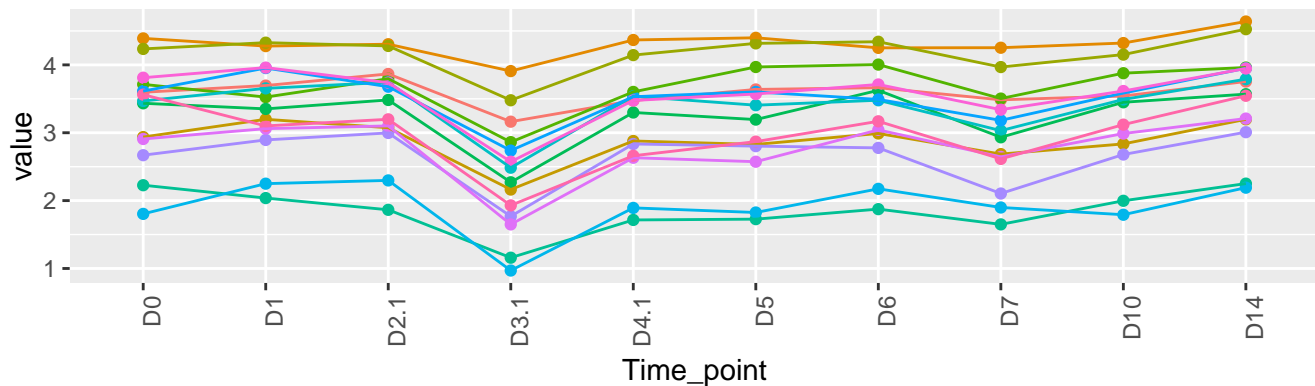
13 genes – KO-cluster-139-original



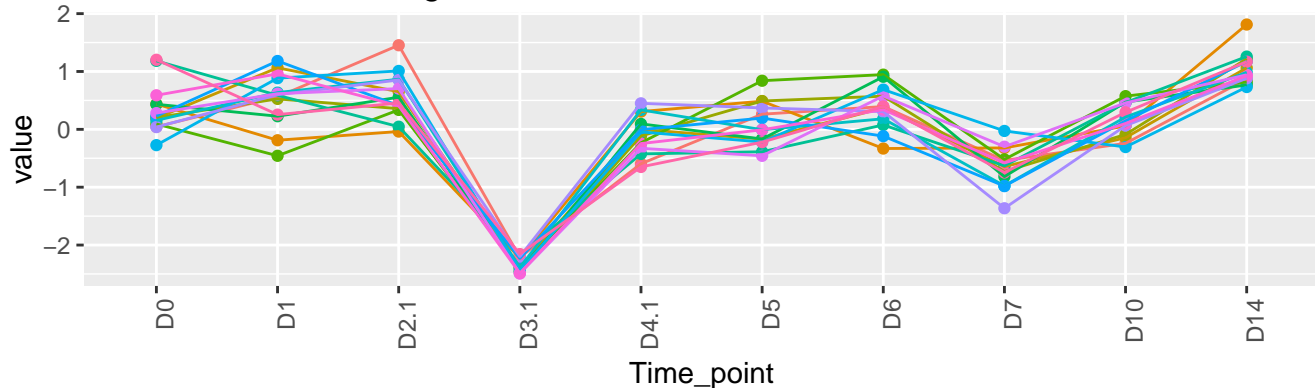
13 genes – KO-cluster-139-standardized



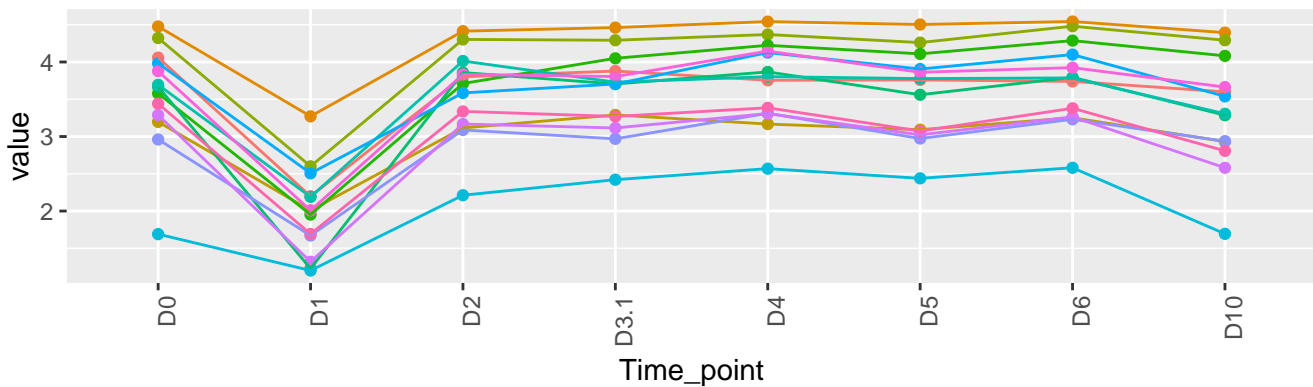
14 genes – WT-cluster-138-original



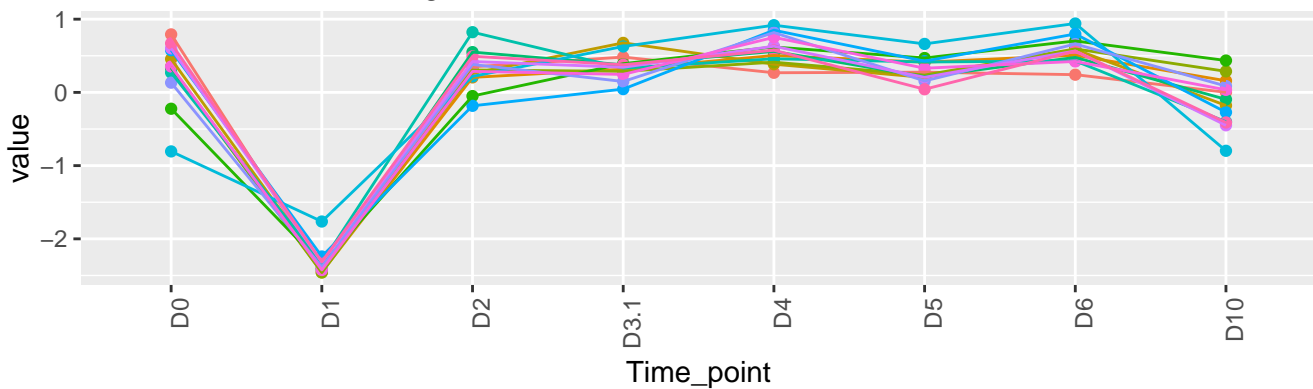
14 genes – WT-cluster-138-standardized



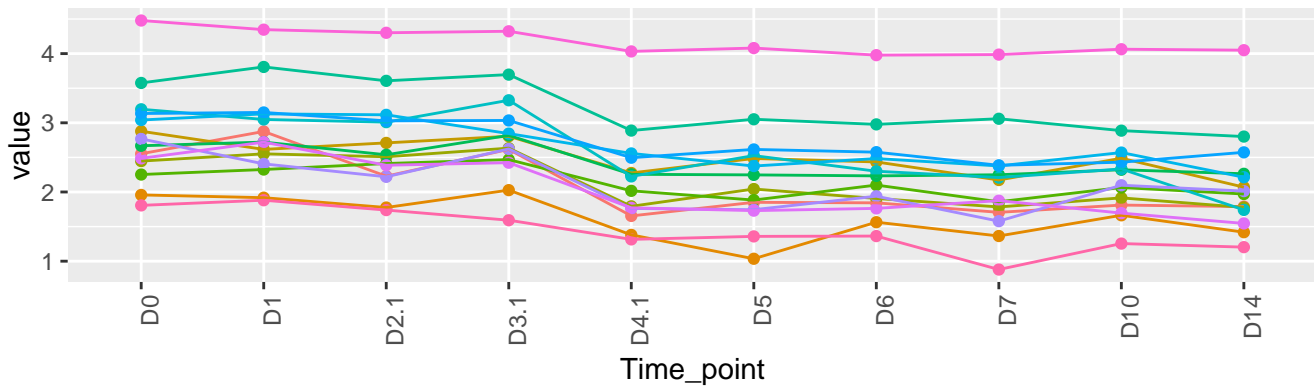
13 genes – KO-cluster-138-original



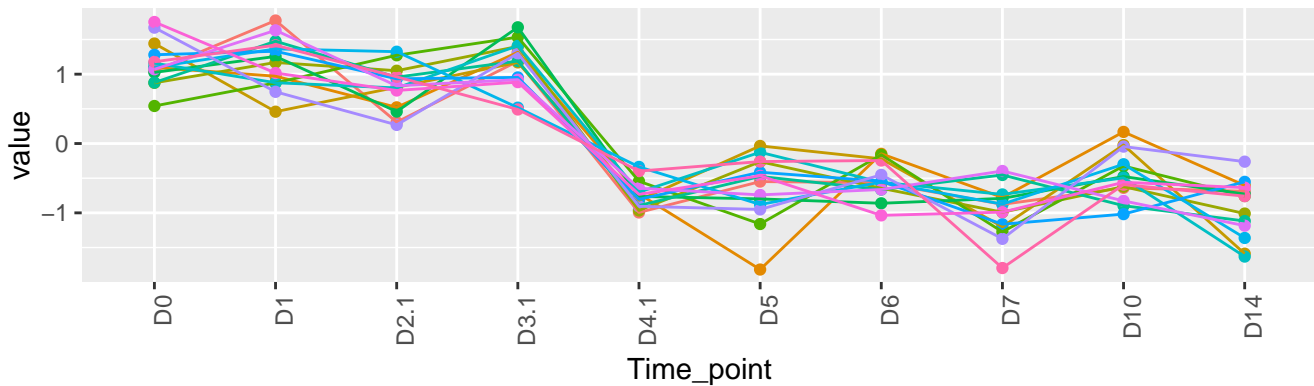
13 genes – KO-cluster-138-standardized



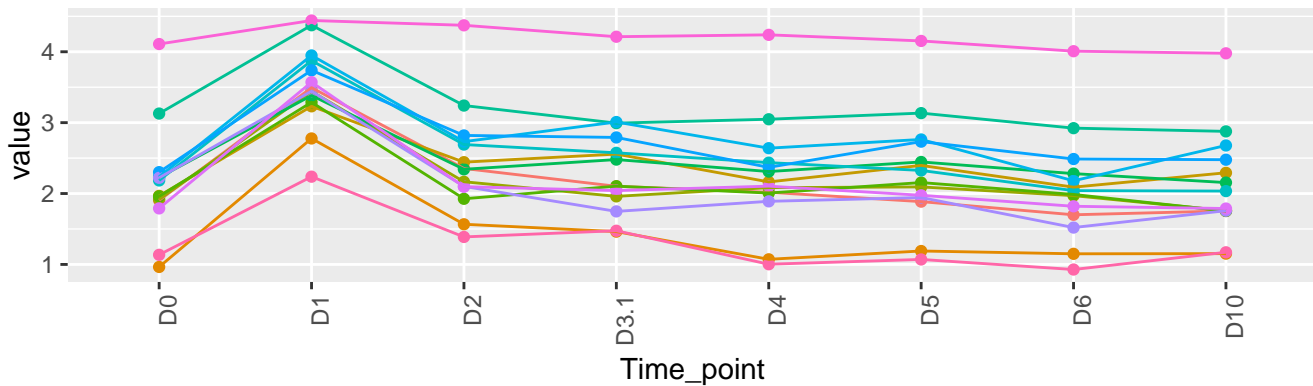
14 genes – WT-cluster-137-original



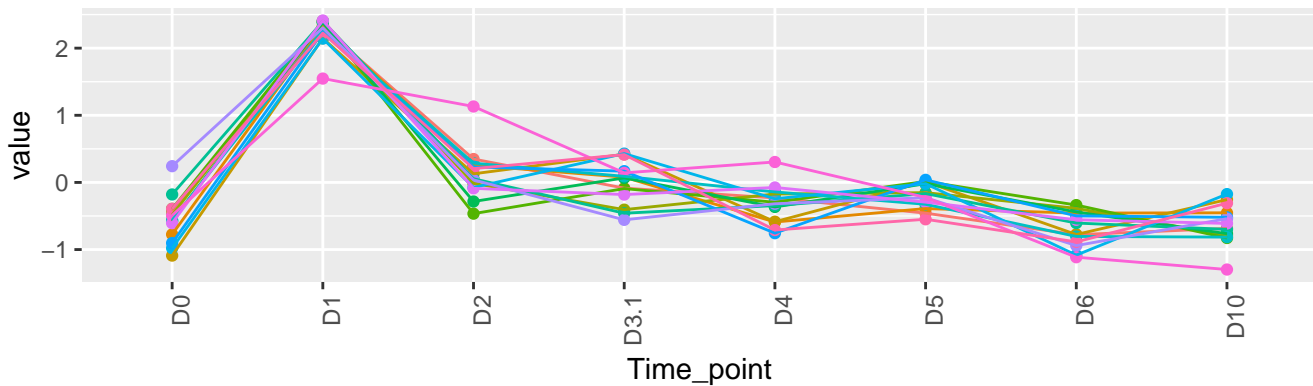
14 genes – WT-cluster-137-standardized



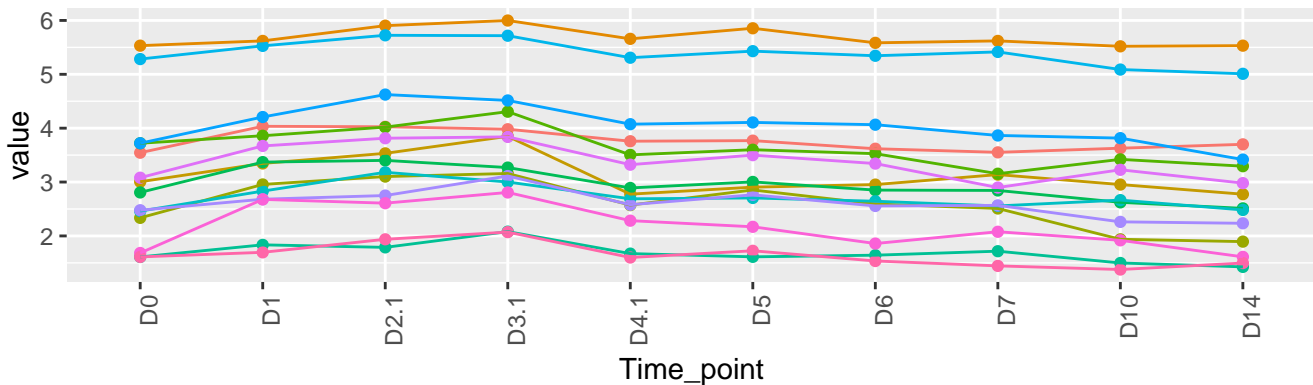
14 genes – KO-cluster-137-original



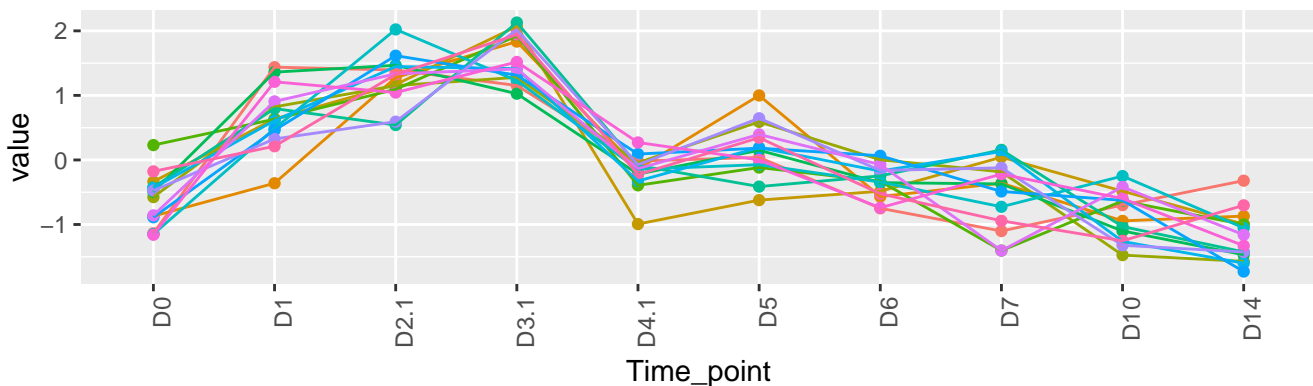
14 genes – KO-cluster-137-standardized



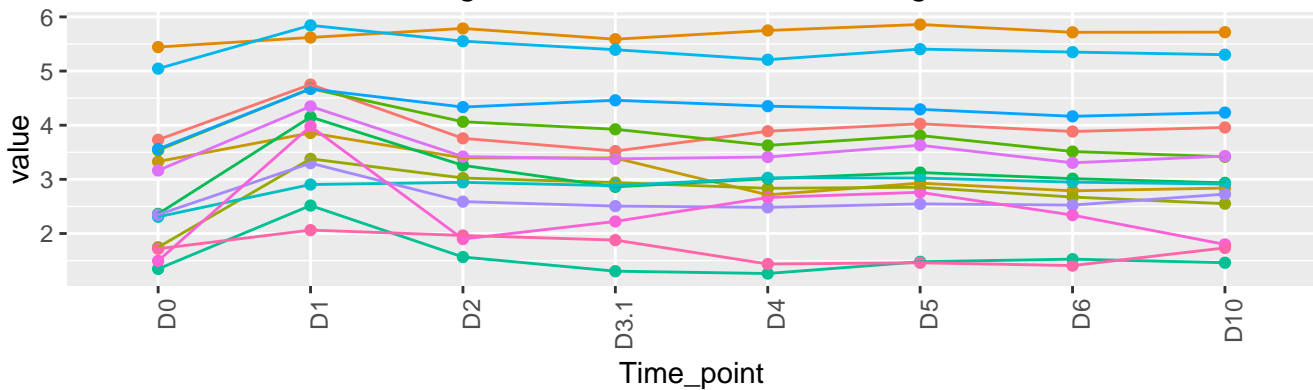
14 genes – WT-cluster-136-original



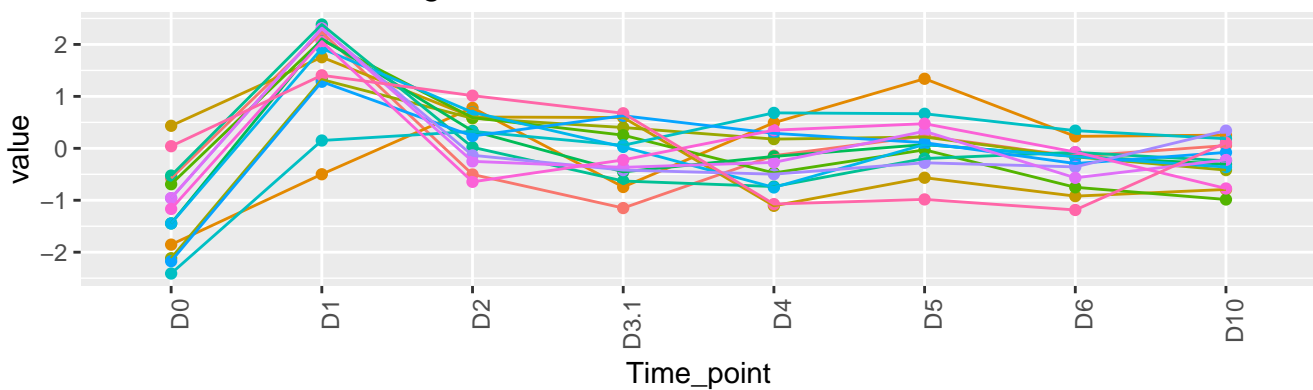
14 genes – WT-cluster-136-standardized



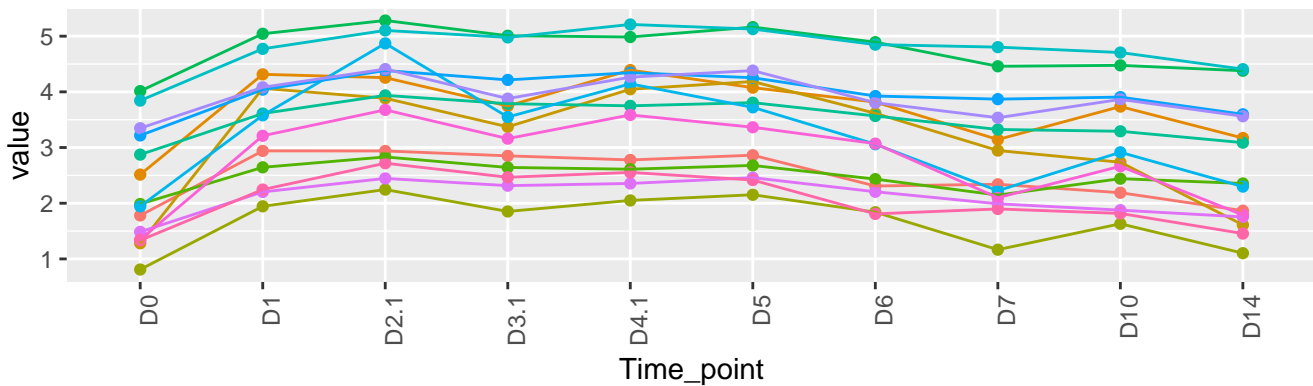
14 genes – KO-cluster-136-original



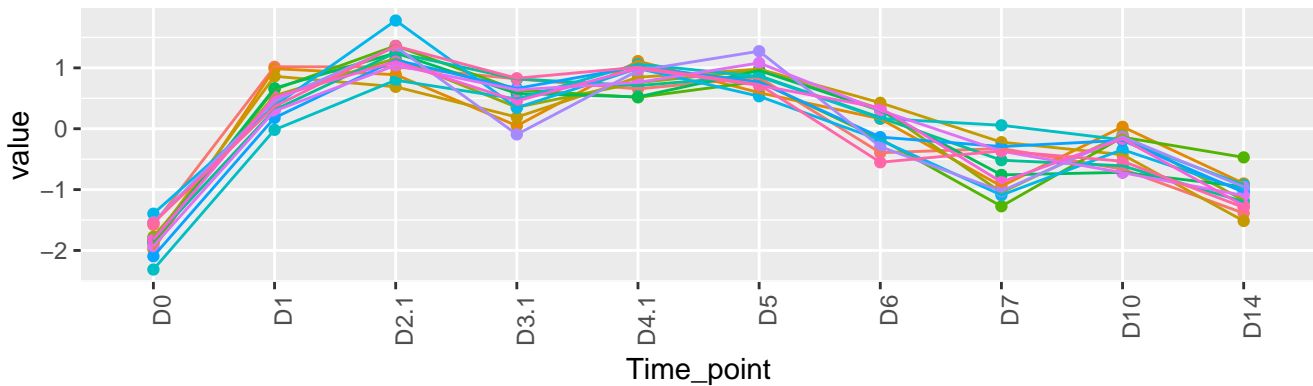
14 genes – KO-cluster-136-standardized



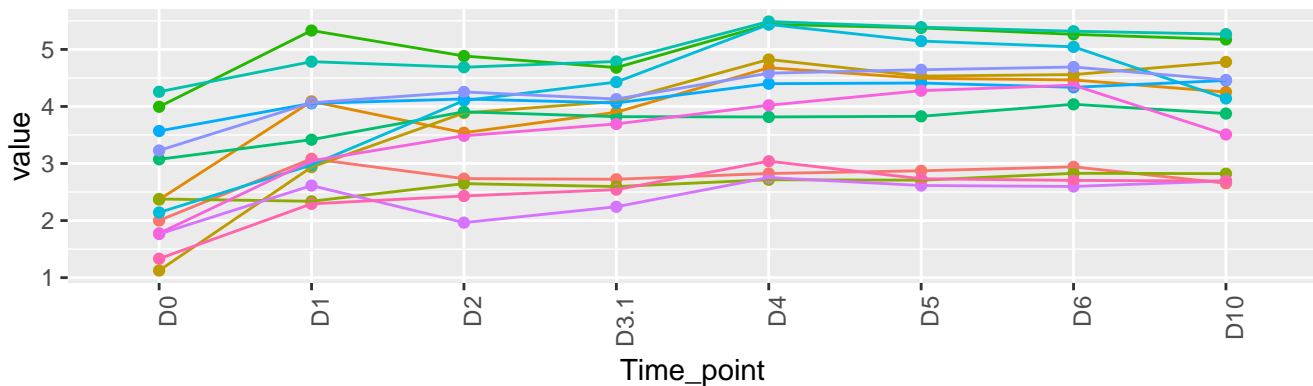
14 genes – WT-cluster-135-original



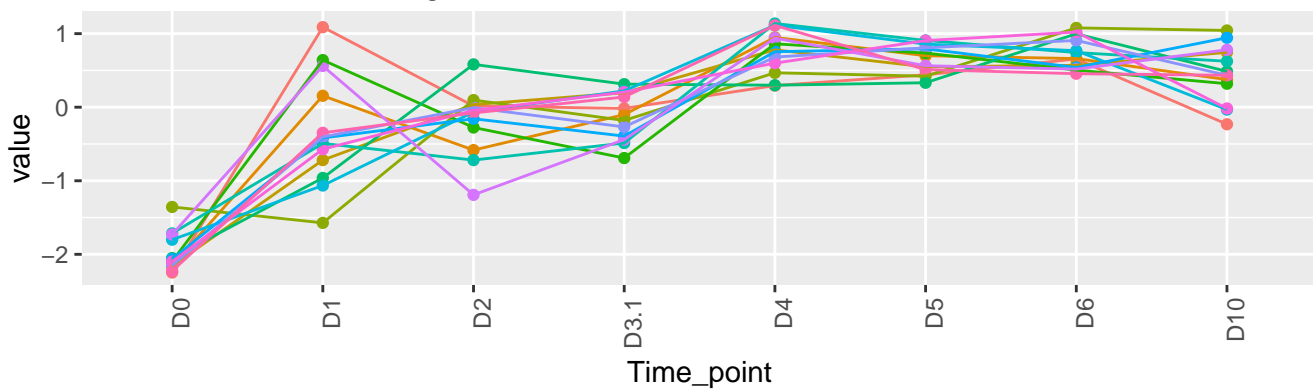
14 genes – WT-cluster-135-standardized



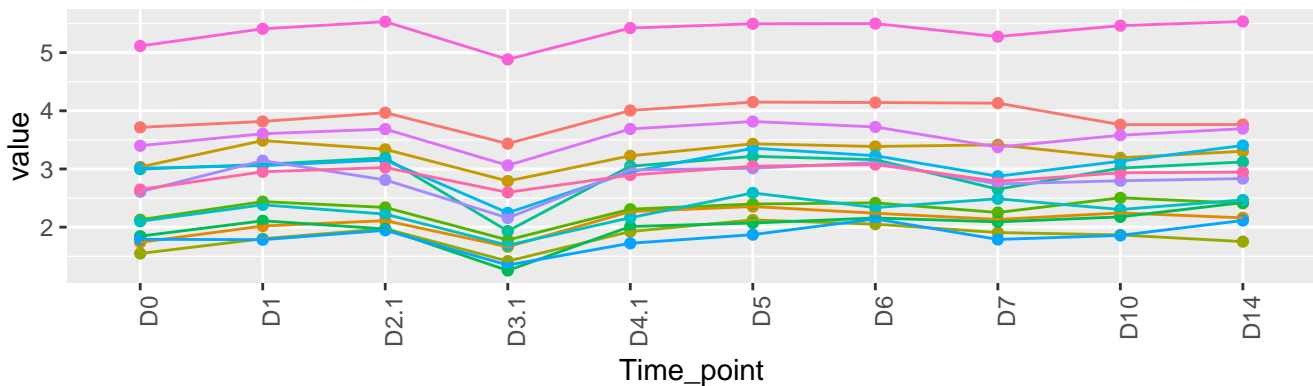
13 genes – KO-cluster-135-original



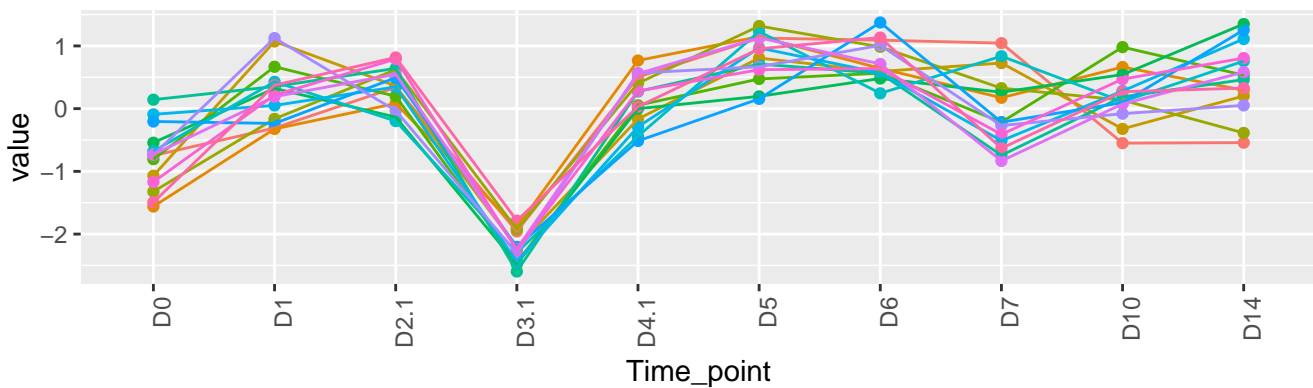
13 genes – KO-cluster-135-standardized



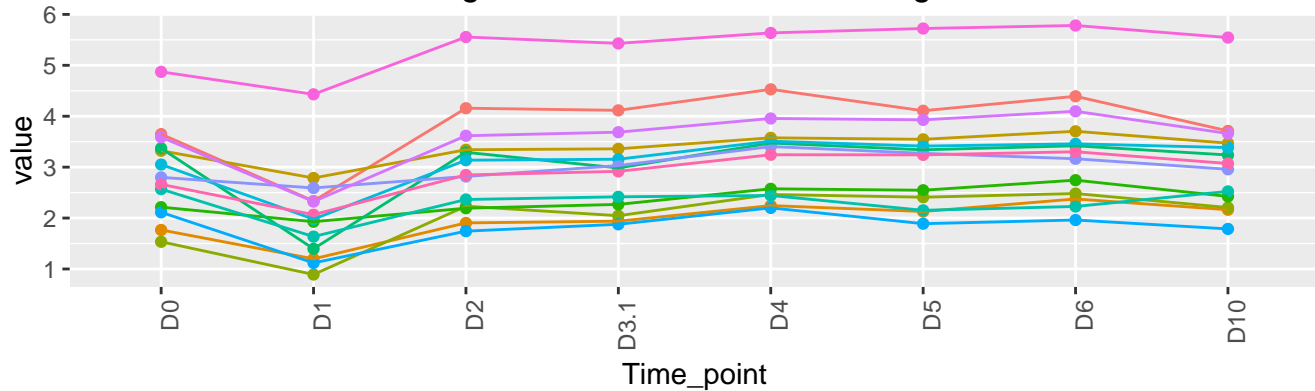
14 genes – WT-cluster-134-original



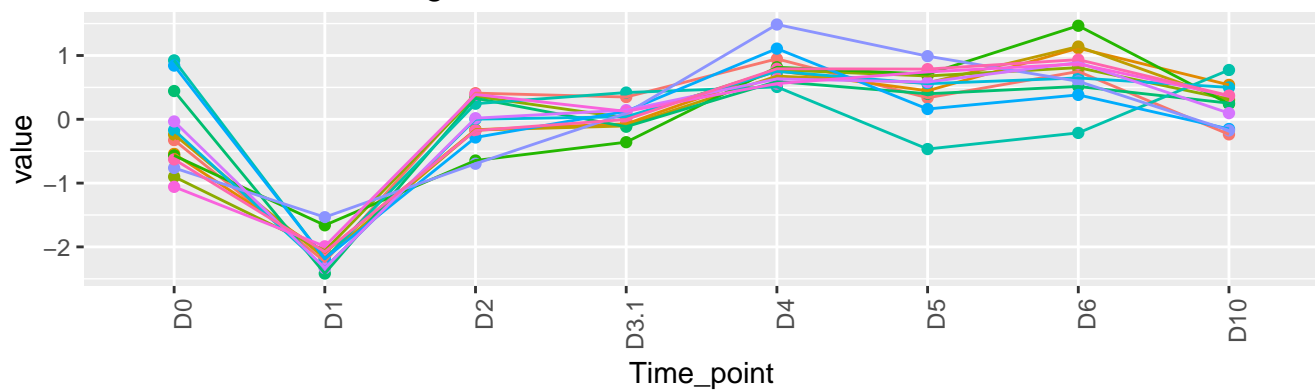
14 genes – WT-cluster-134-standardized



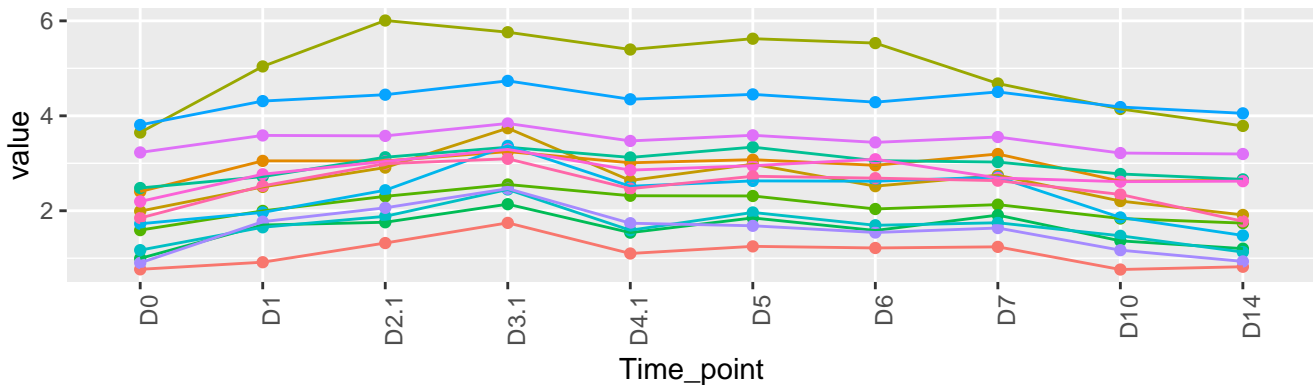
13 genes – KO-cluster-134-original



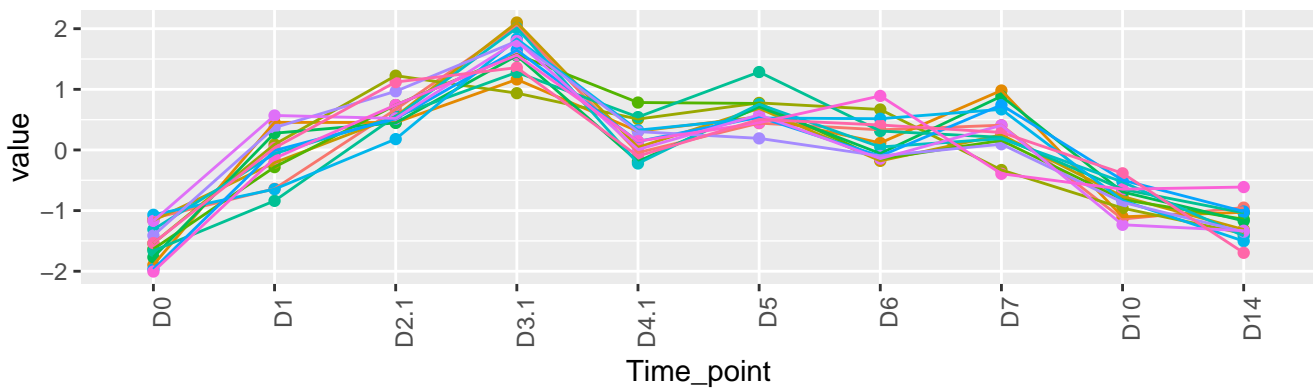
13 genes – KO-cluster-134-standardized



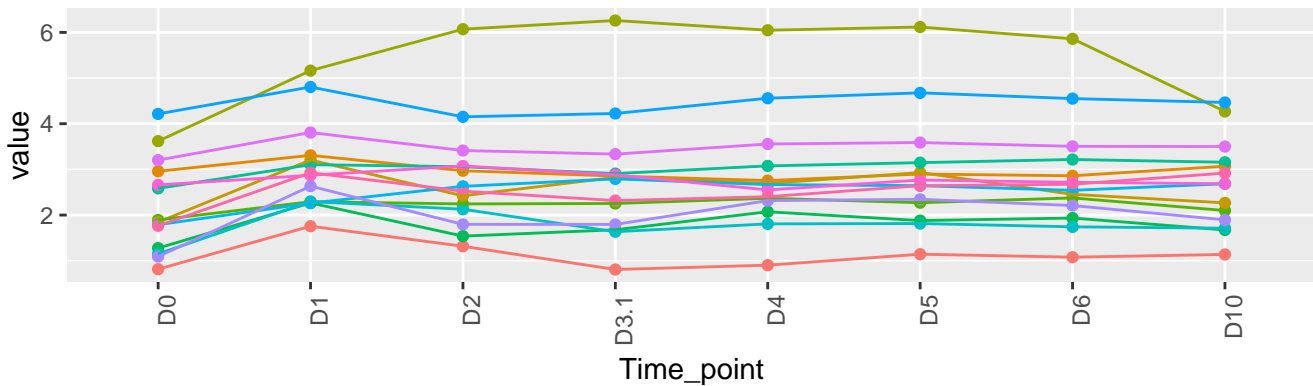
14 genes – WT-cluster-133-original



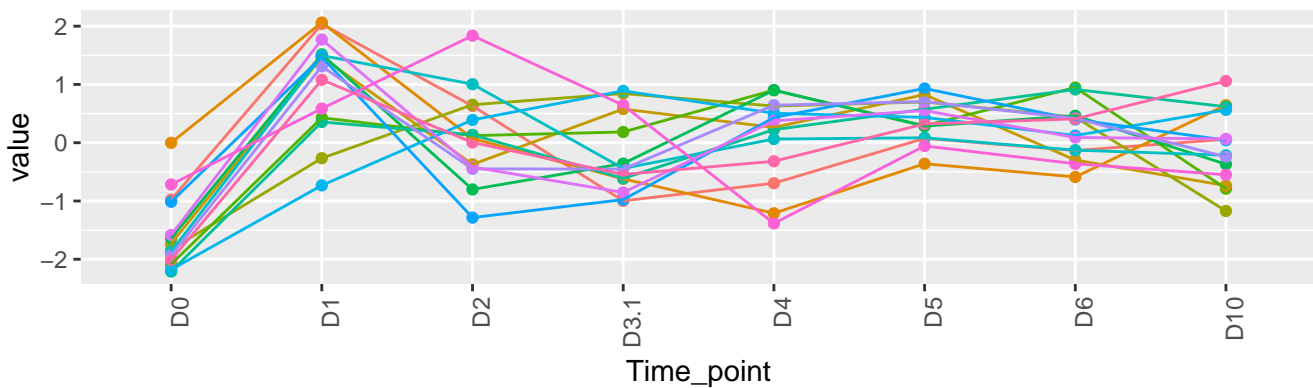
14 genes – WT-cluster-133-standardized



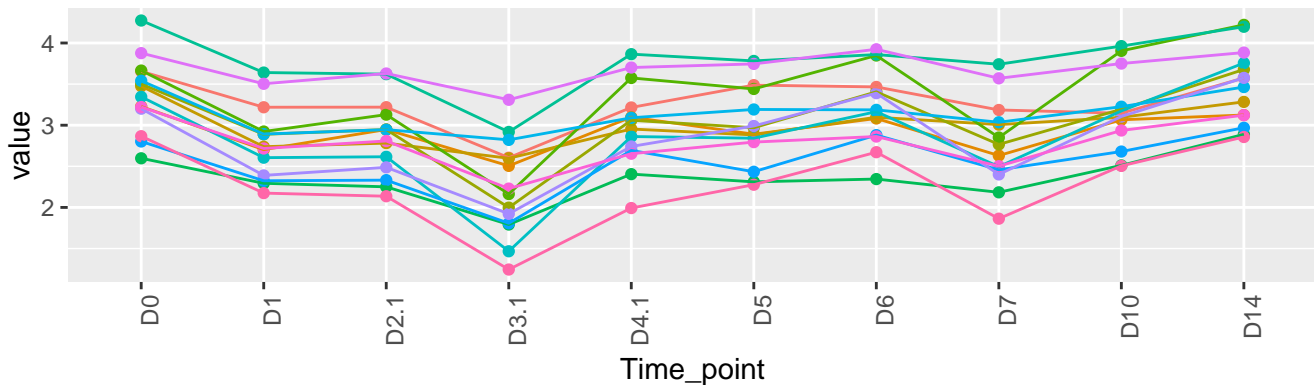
14 genes – KO-cluster-133-original



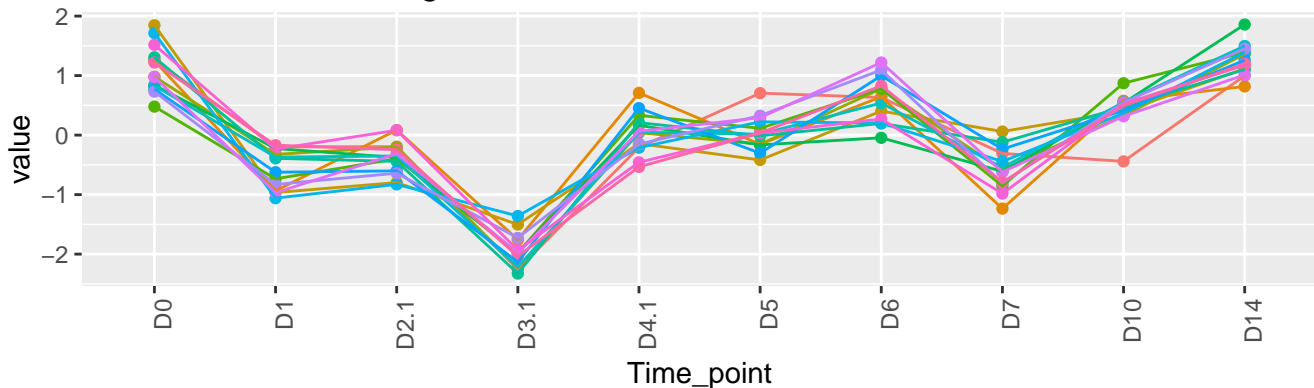
14 genes – KO-cluster-133-standardized



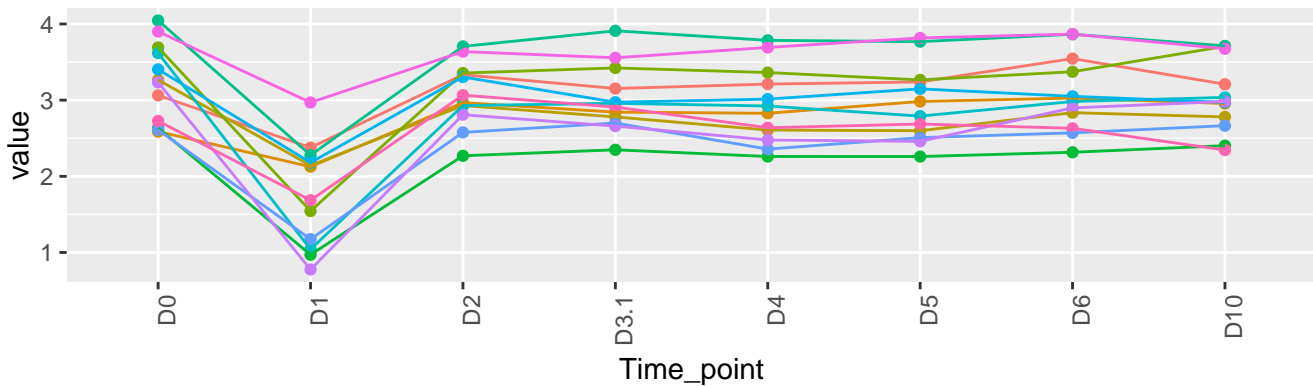
14 genes – WT-cluster-132-original



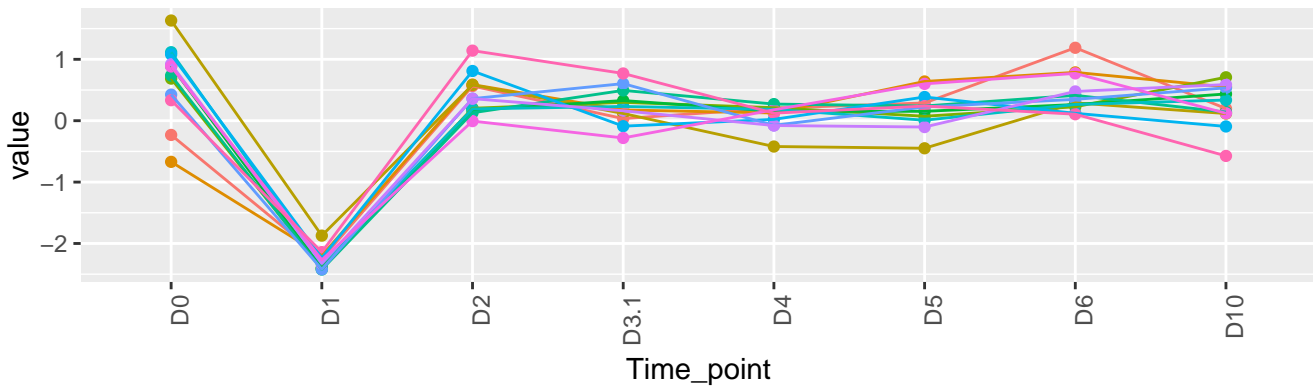
14 genes – WT-cluster-132-standardized



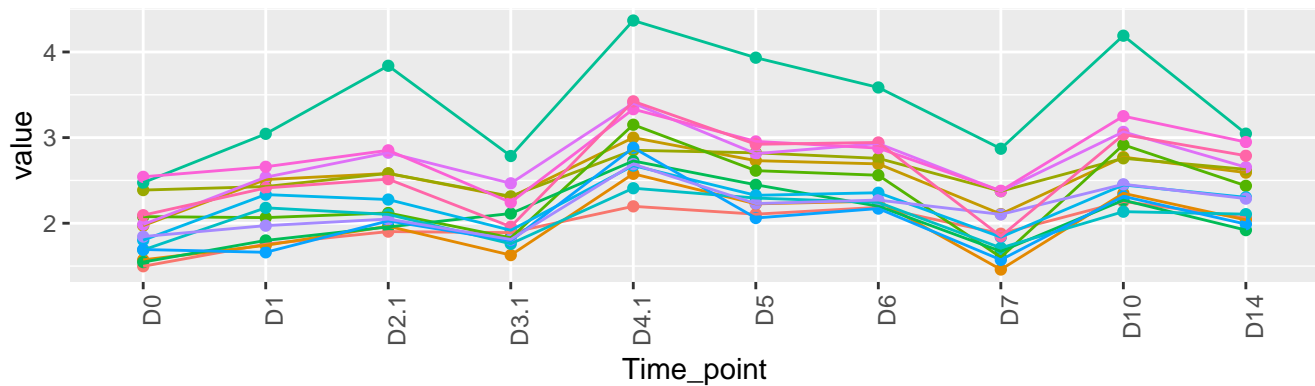
12 genes – KO-cluster-132-original



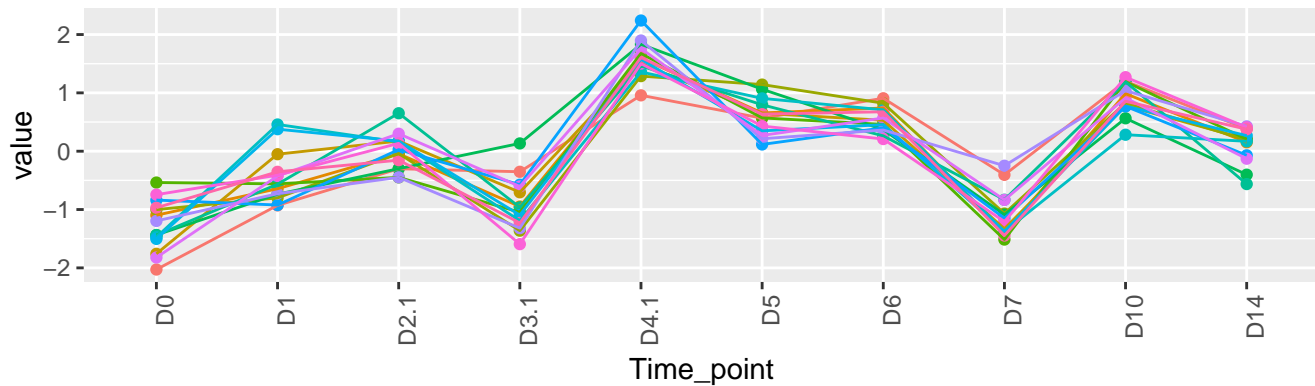
12 genes – KO-cluster-132-standardized



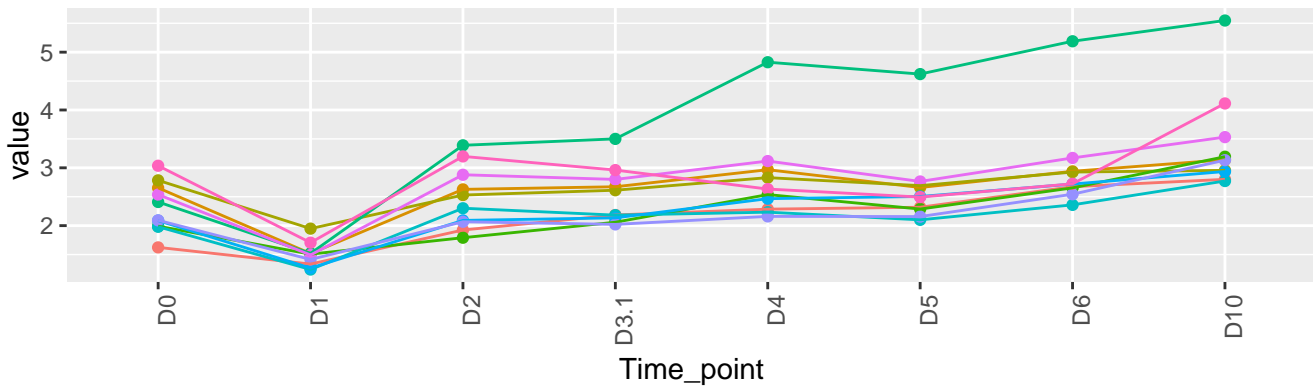
14 genes – WT-cluster-131-original



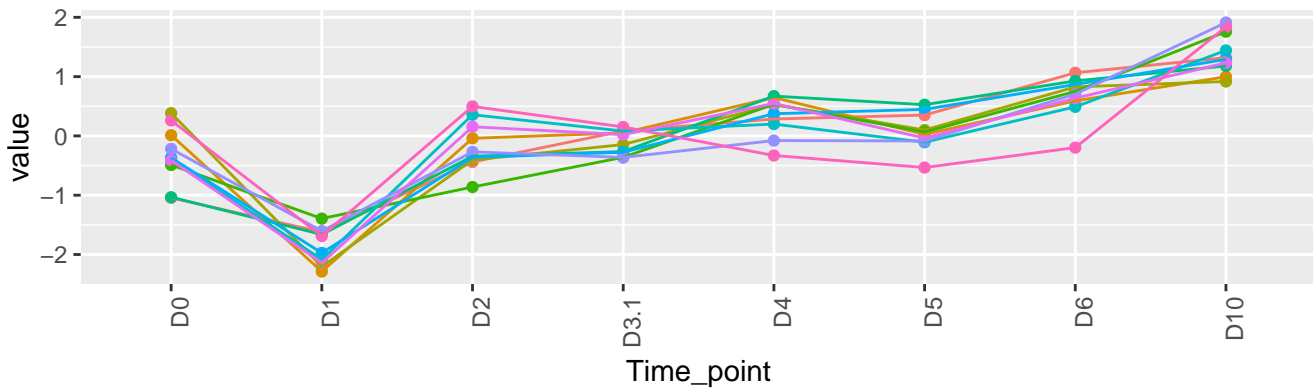
14 genes – WT-cluster-131-standardized



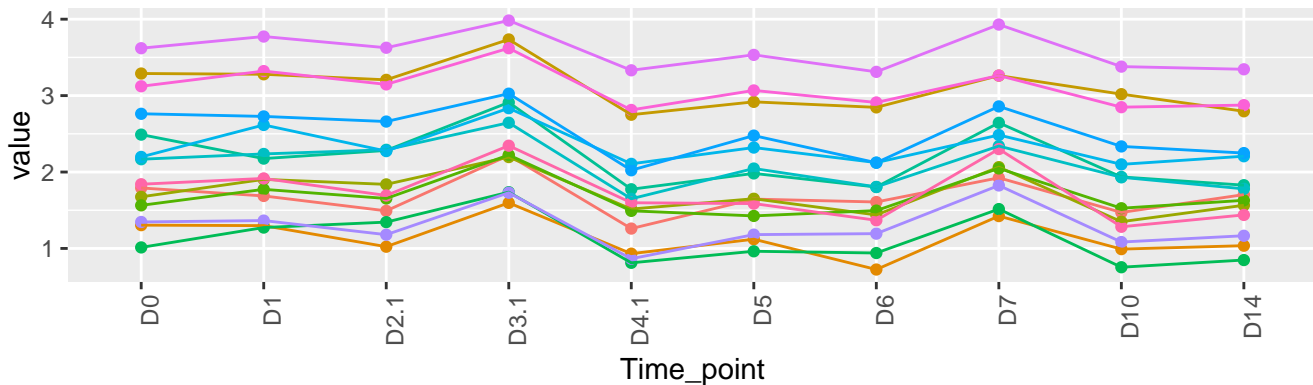
10 genes – KO-cluster-131-original



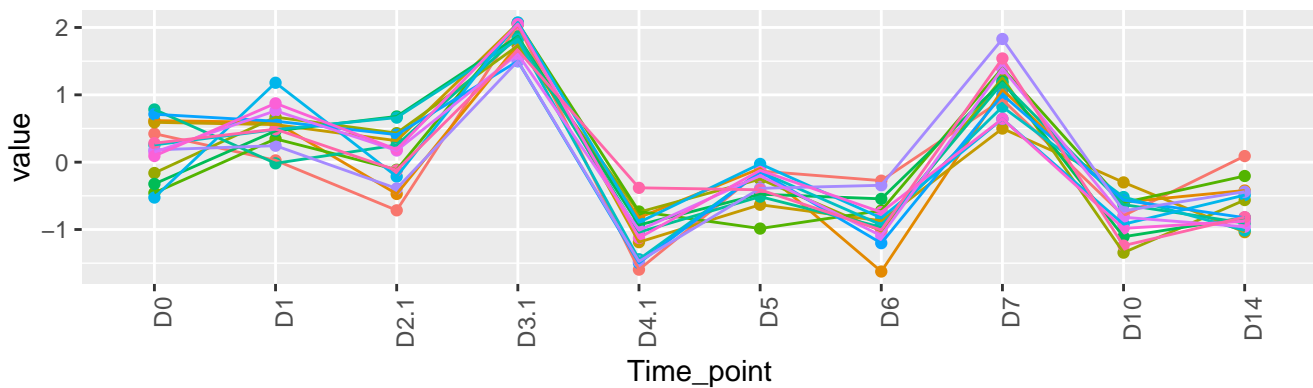
10 genes – KO-cluster-131-standardized



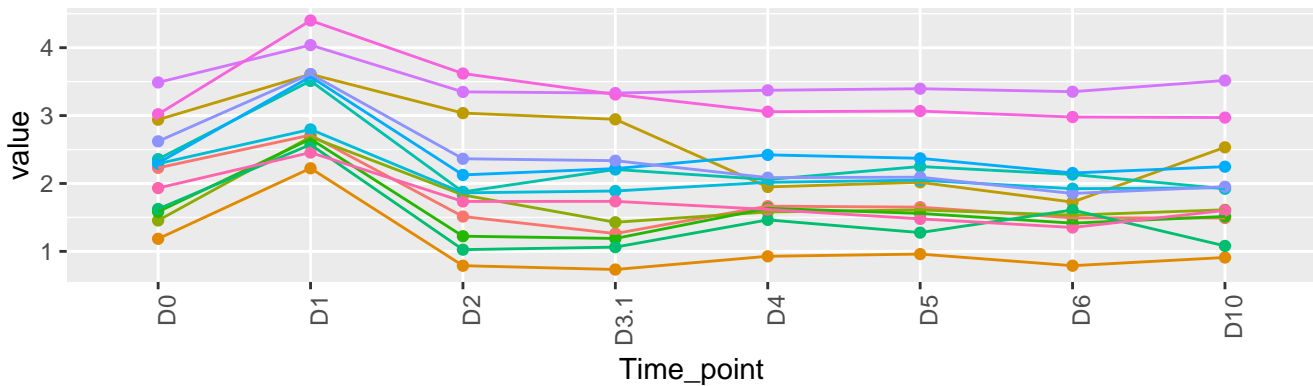
14 genes – WT-cluster-130-original



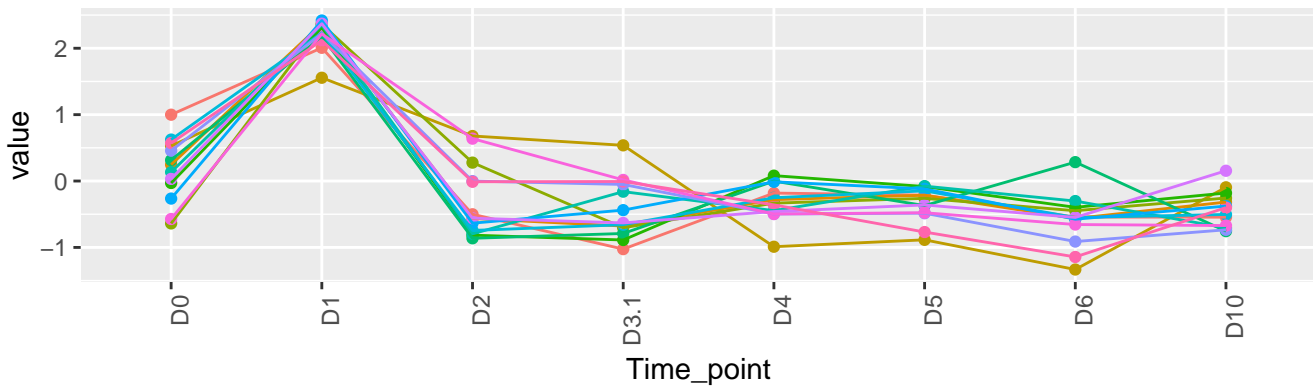
14 genes – WT-cluster-130-standardized



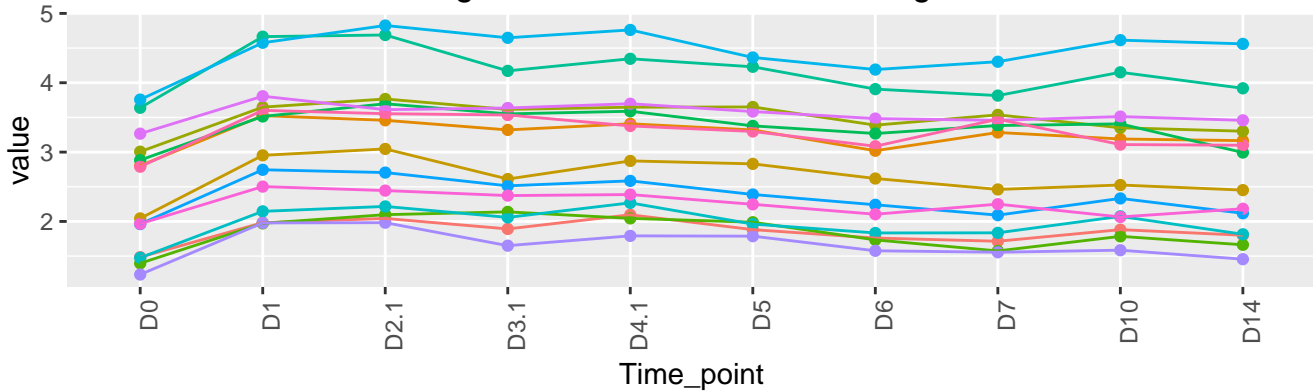
13 genes – KO-cluster-130-original



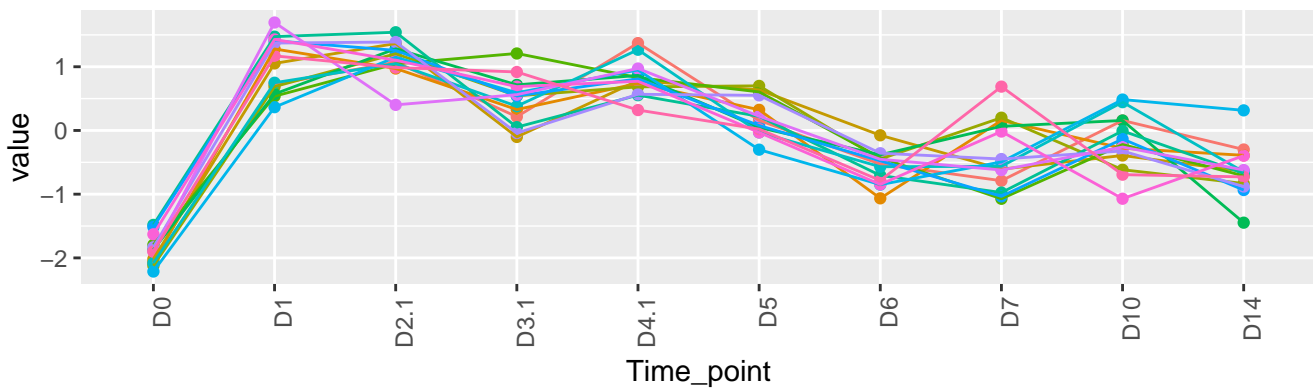
13 genes – KO-cluster-130-standardized



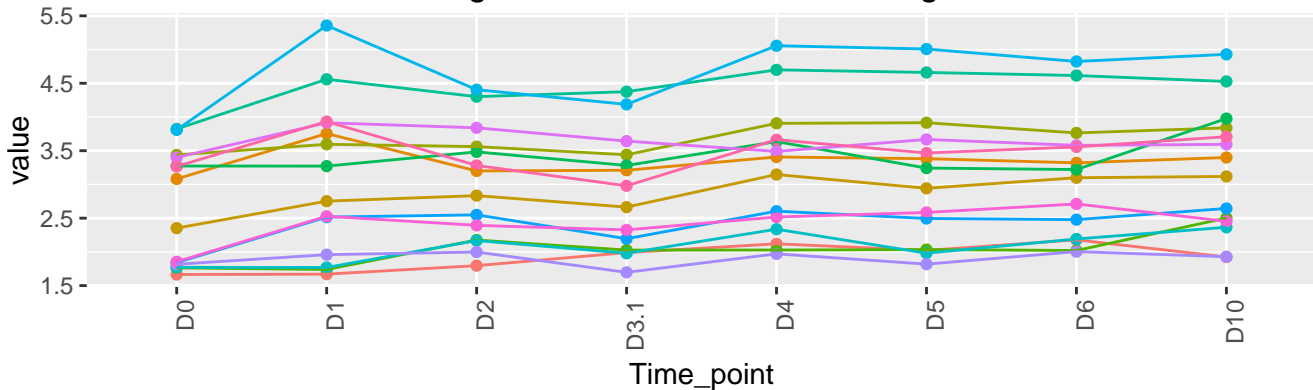
14 genes – WT-cluster-129-original



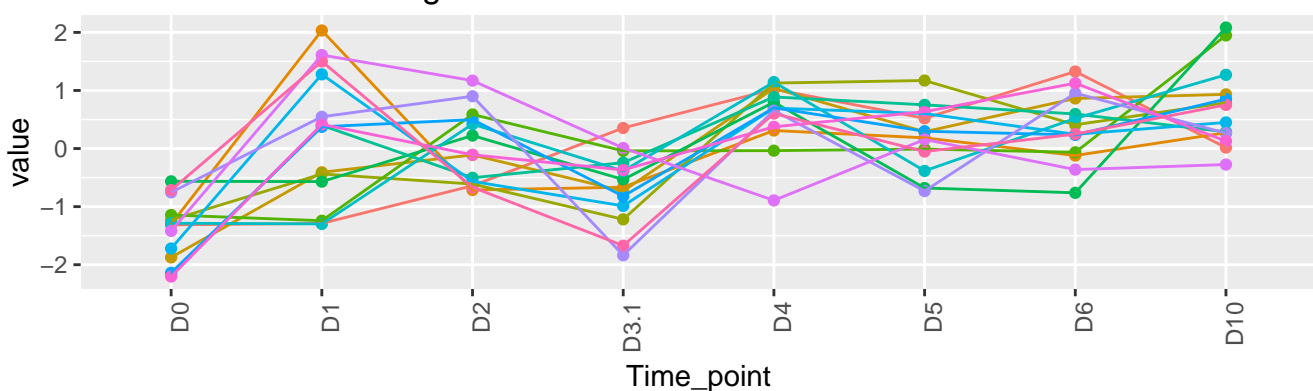
14 genes – WT-cluster-129-standardized



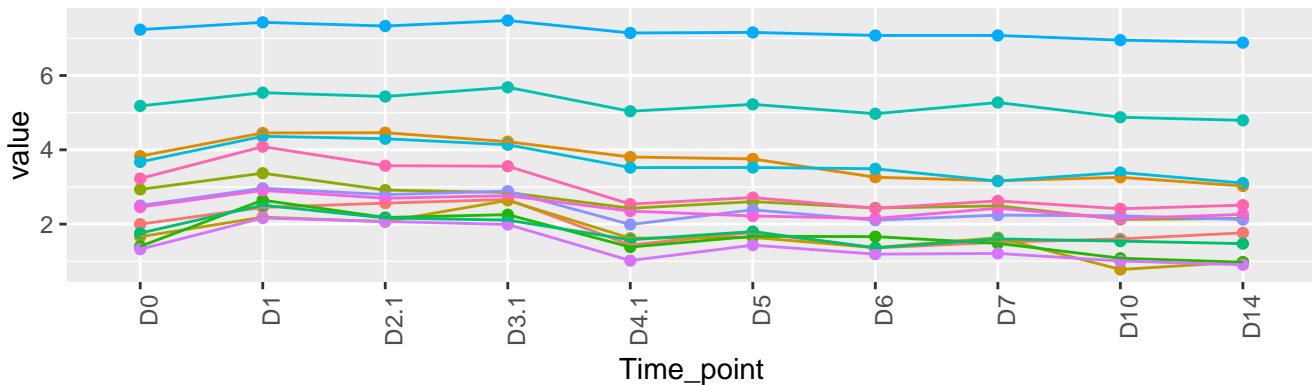
14 genes – KO-cluster-129-original



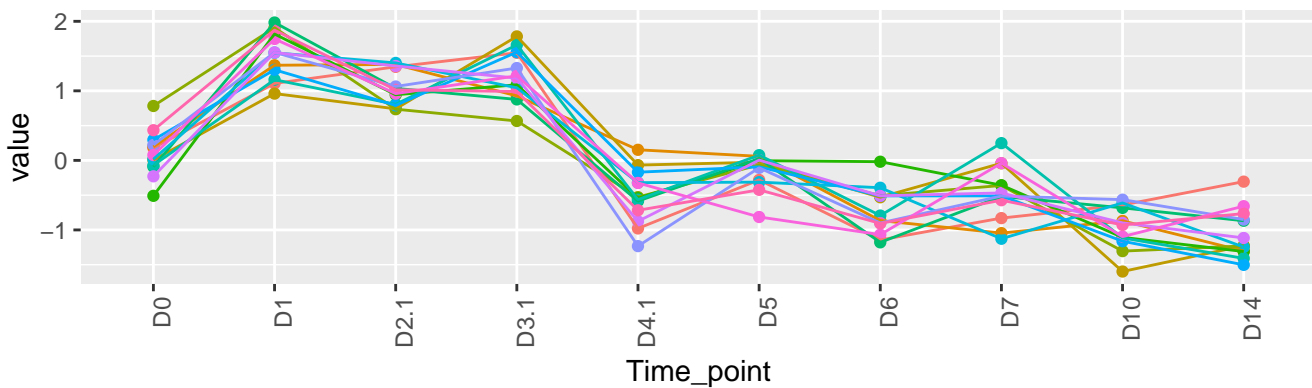
14 genes – KO-cluster-129-standardized



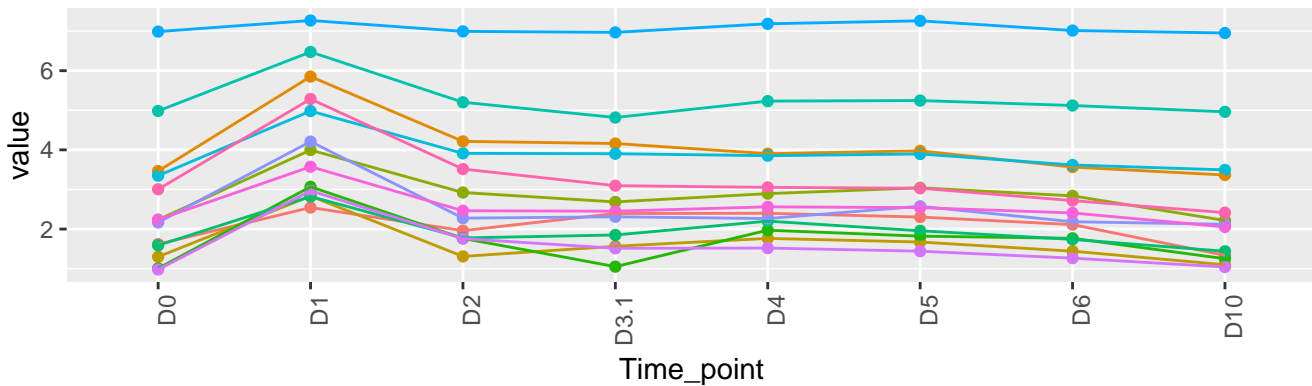
13 genes – WT-cluster-128-original



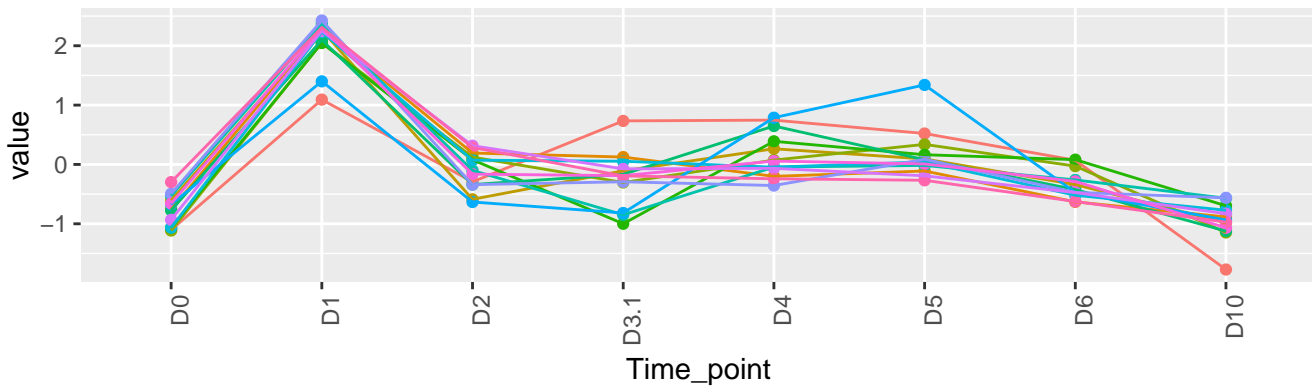
13 genes – WT-cluster-128-standardized



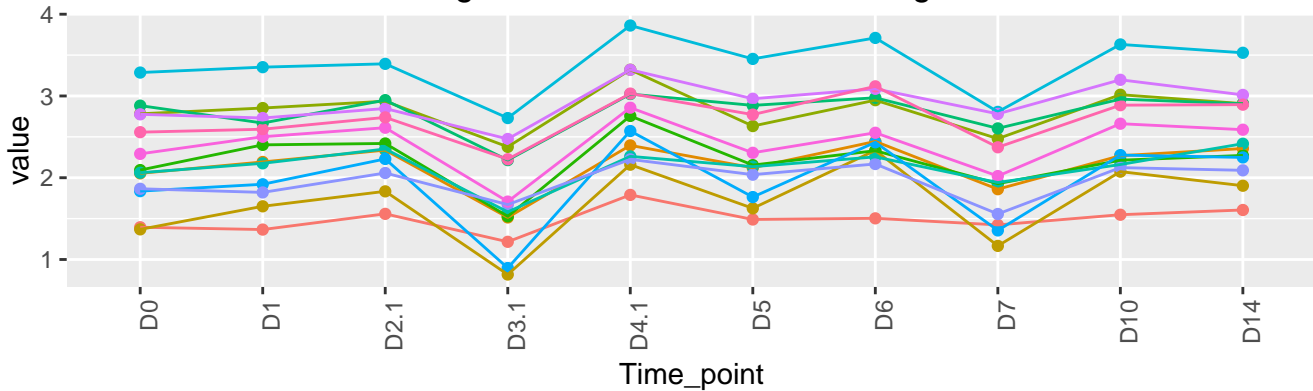
13 genes – KO-cluster-128-original



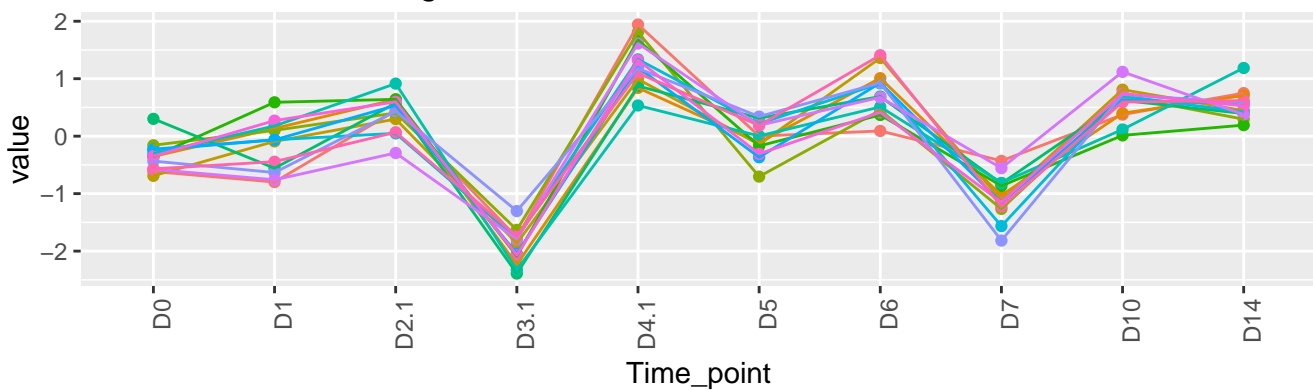
13 genes – KO-cluster-128-standardized



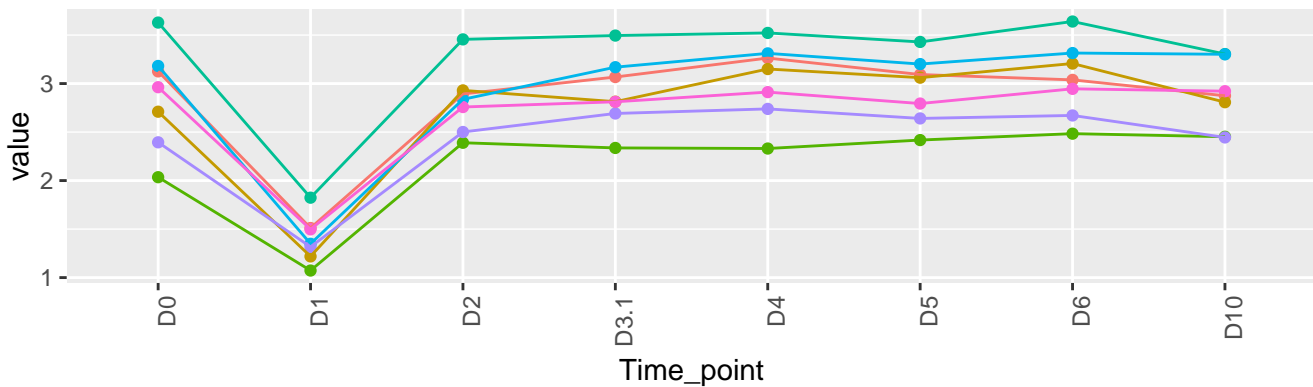
13 genes – WT-cluster-127-original



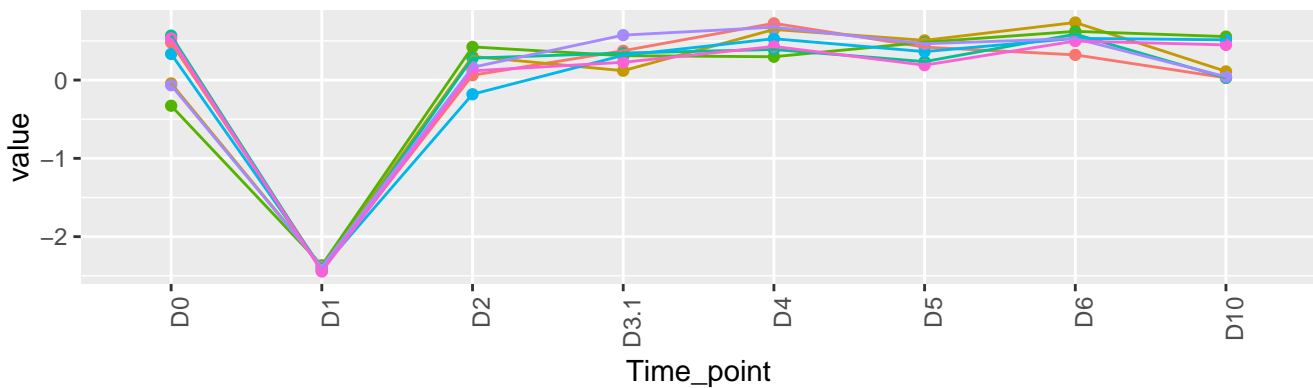
13 genes – WT-cluster-127-standardized



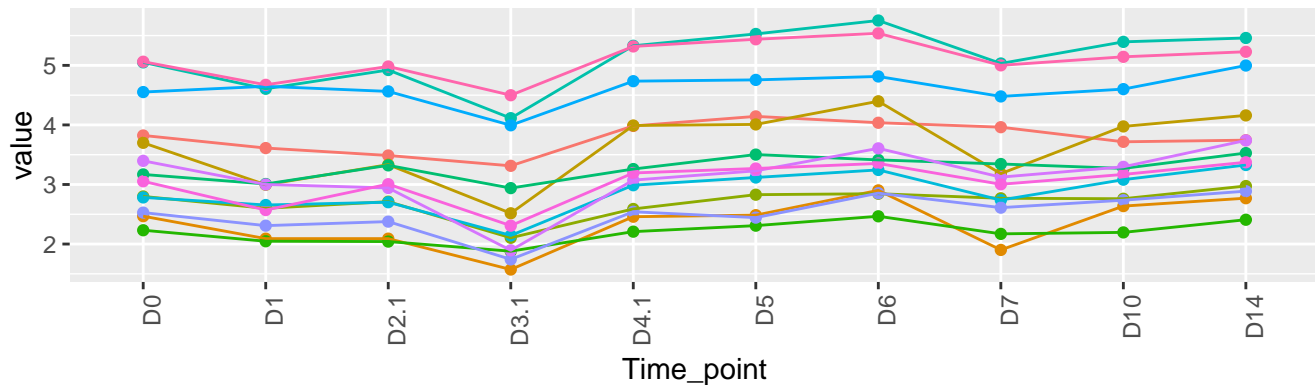
7 genes – KO-cluster-127-original



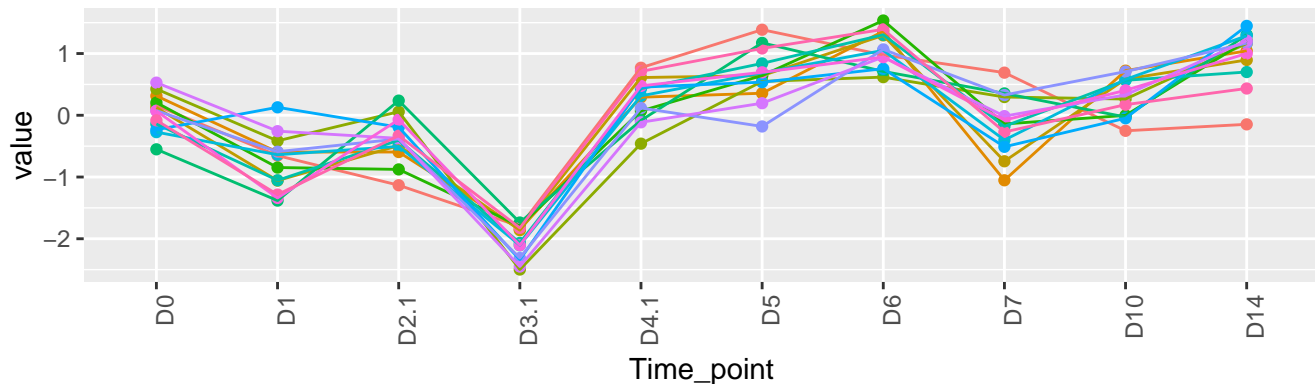
7 genes – KO-cluster-127-standardized



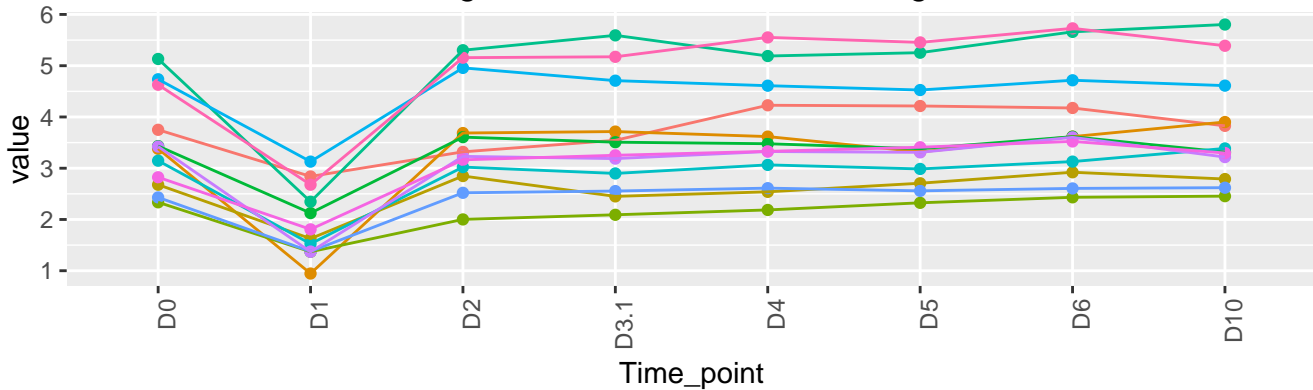
13 genes – WT-cluster-126-original



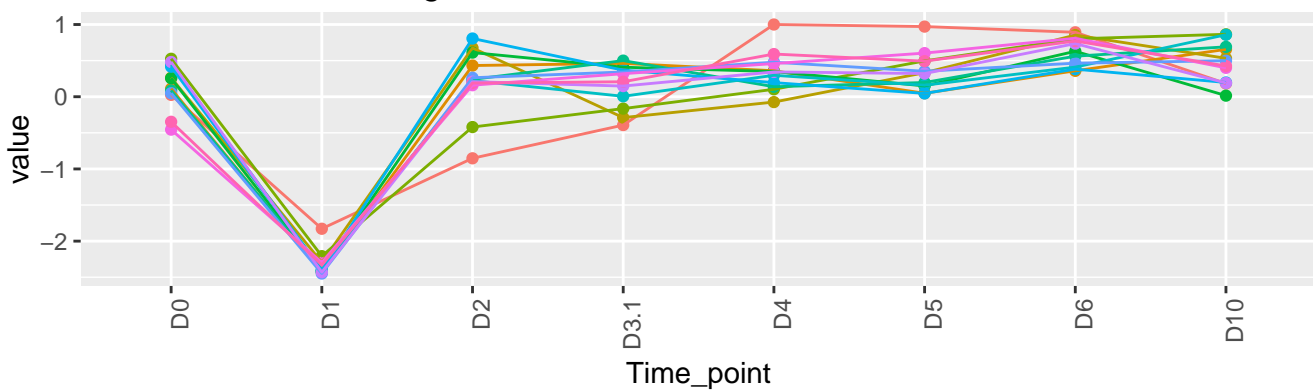
13 genes – WT-cluster-126-standardized



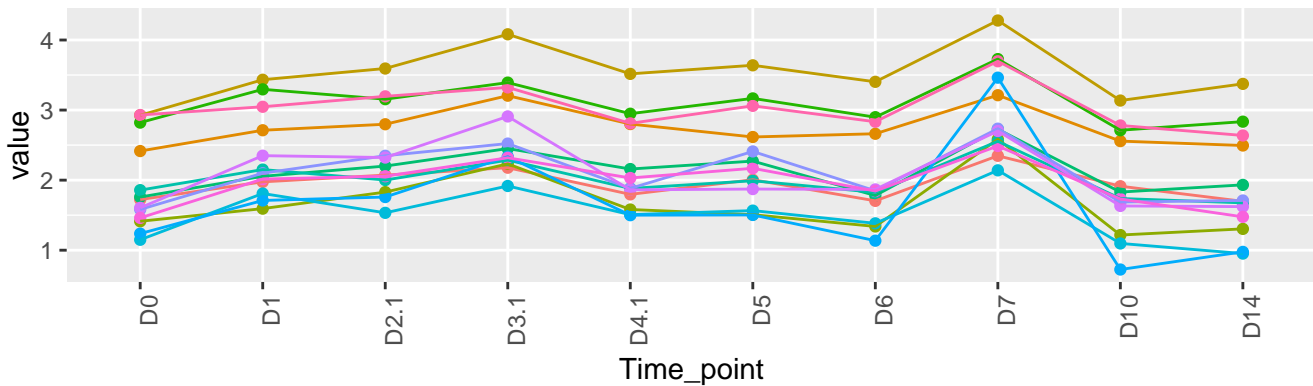
12 genes – KO-cluster-126-original



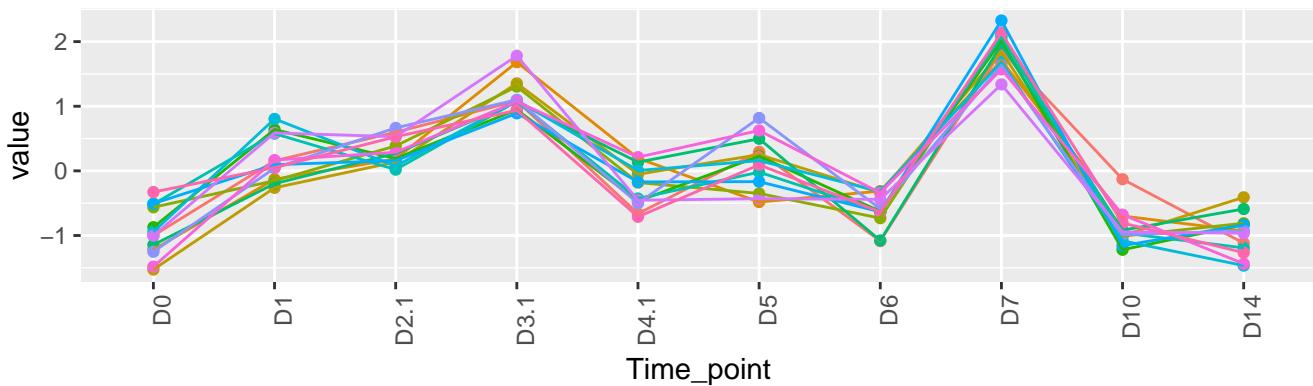
12 genes – KO-cluster-126-standardized



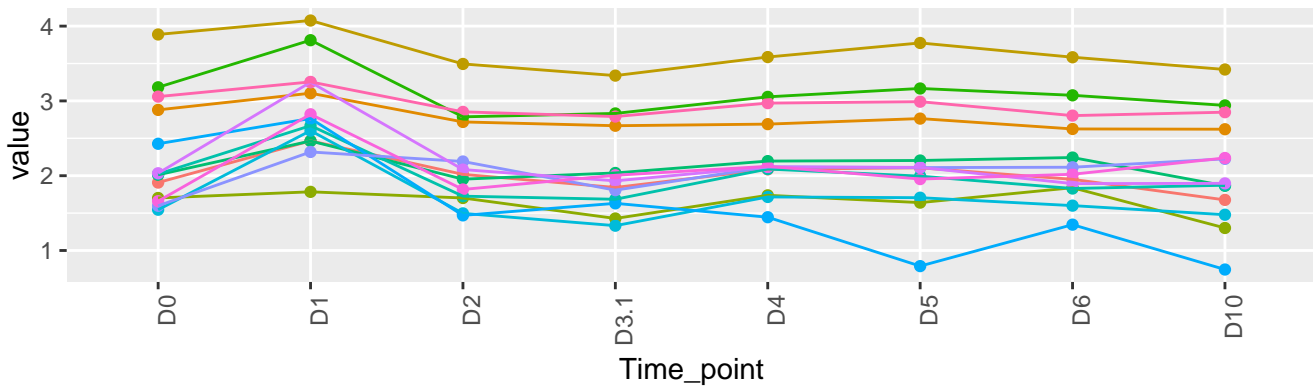
13 genes – WT-cluster-125-original



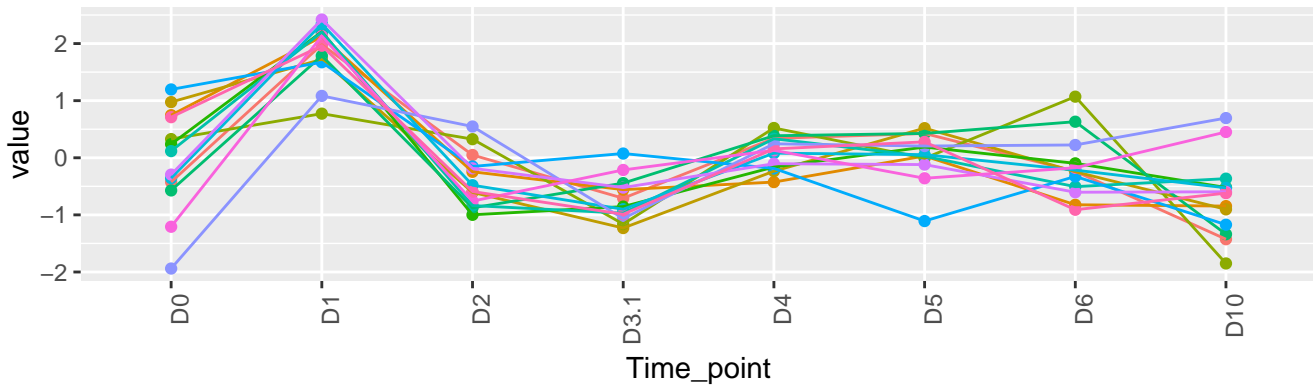
13 genes – WT-cluster-125-standardized



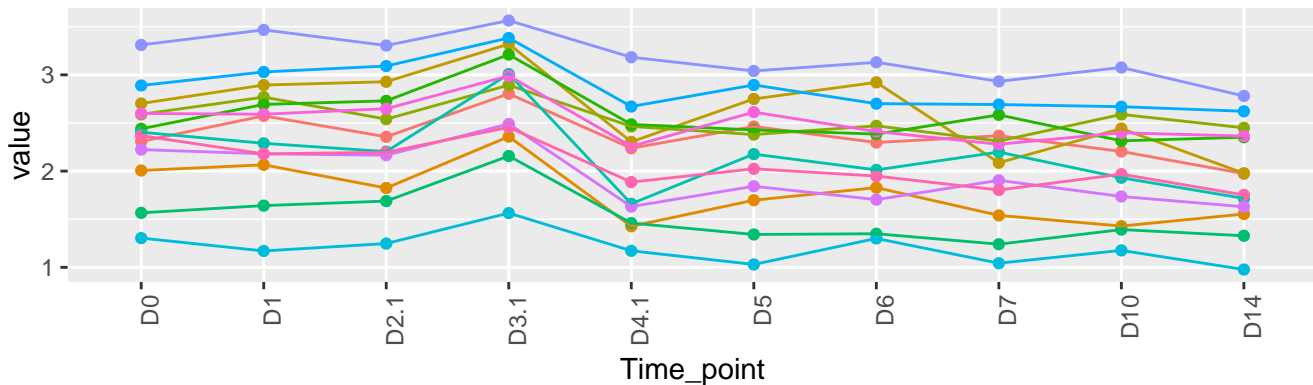
13 genes – KO-cluster-125-original



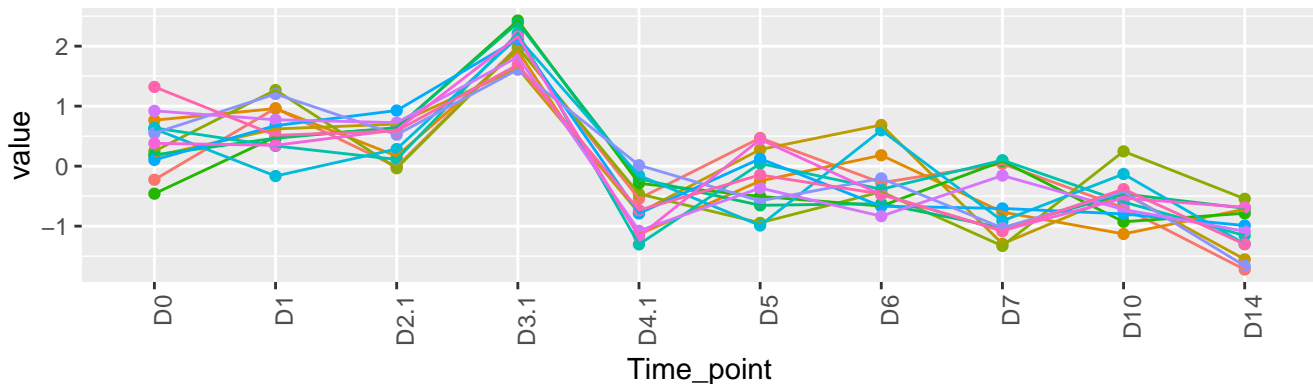
13 genes – KO-cluster-125-standardized



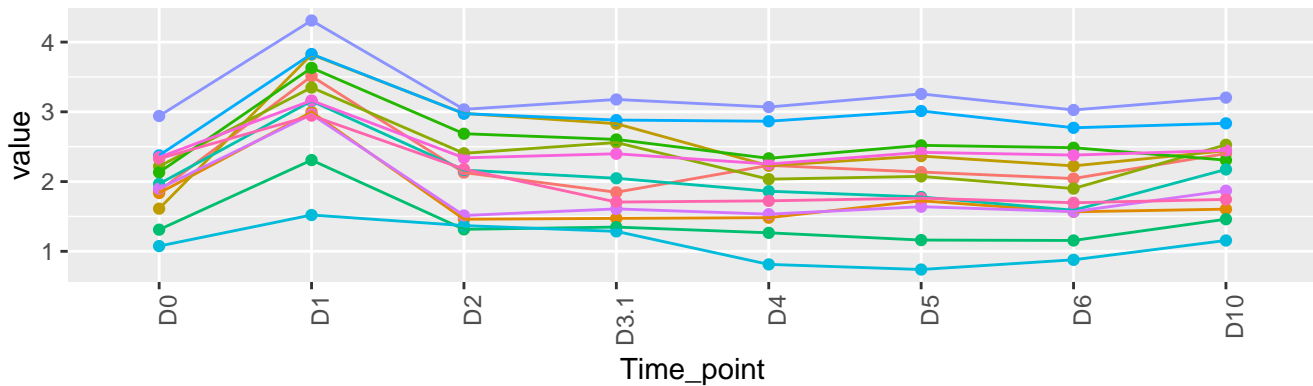
13 genes – WT-cluster-124-original



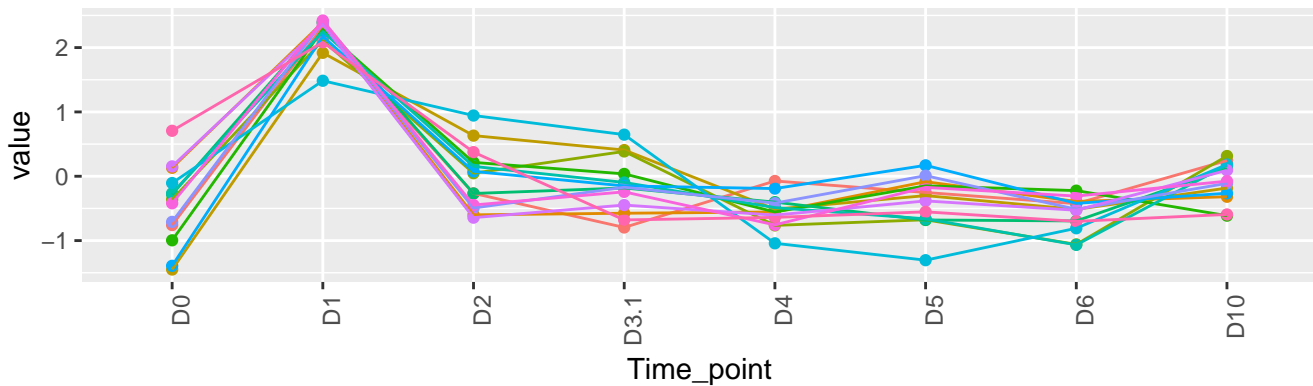
13 genes – WT-cluster-124-standardized



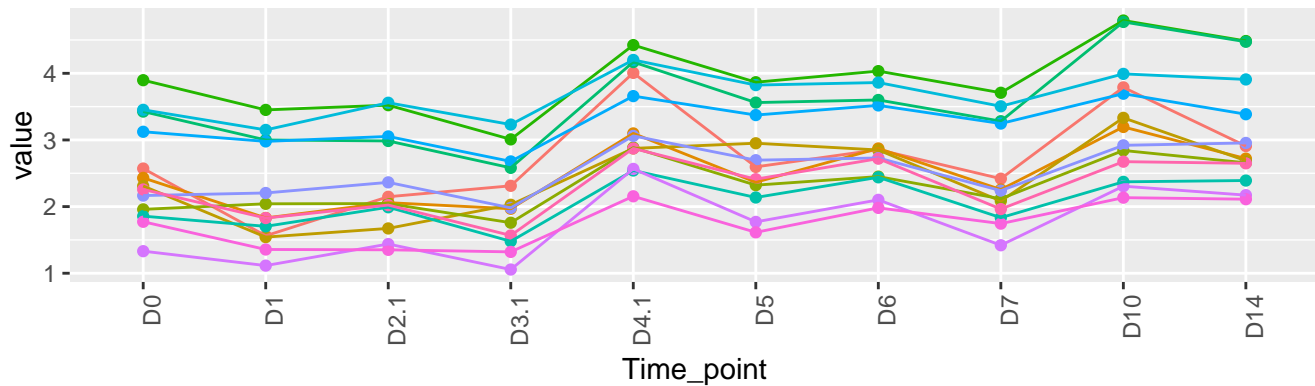
13 genes – KO-cluster-124-original



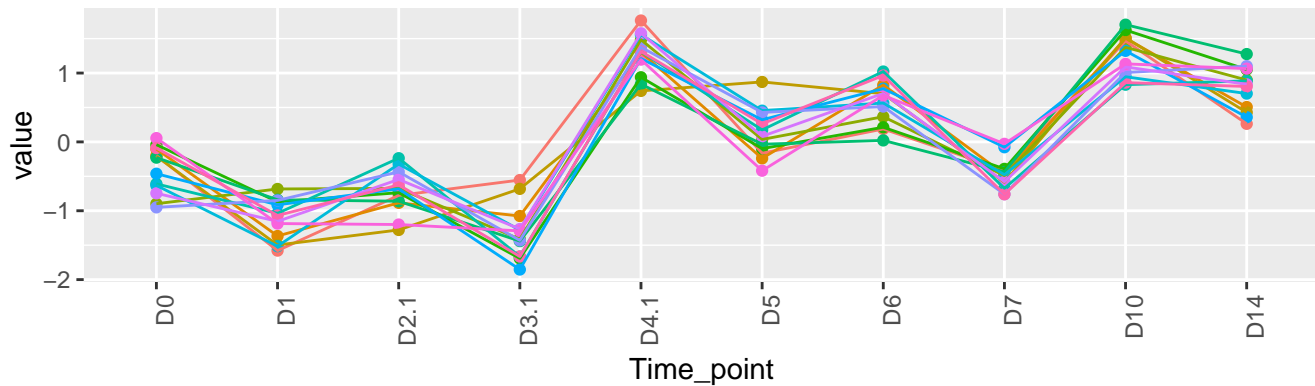
13 genes – KO-cluster-124-standardized



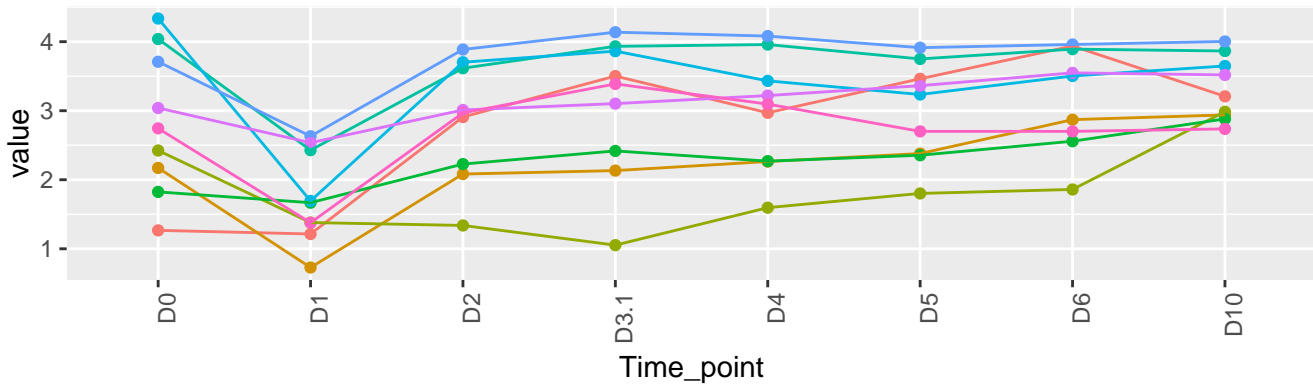
13 genes – WT-cluster-123-original



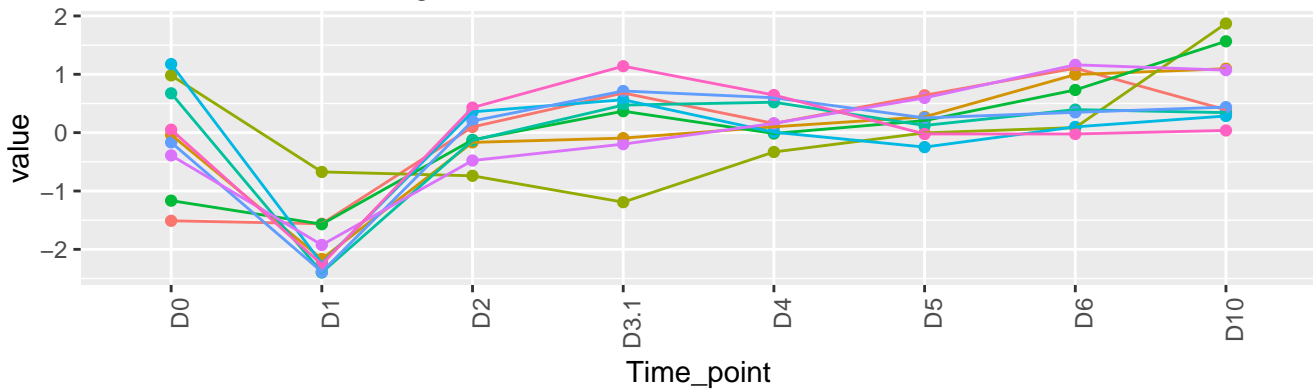
13 genes – WT-cluster-123-standardized



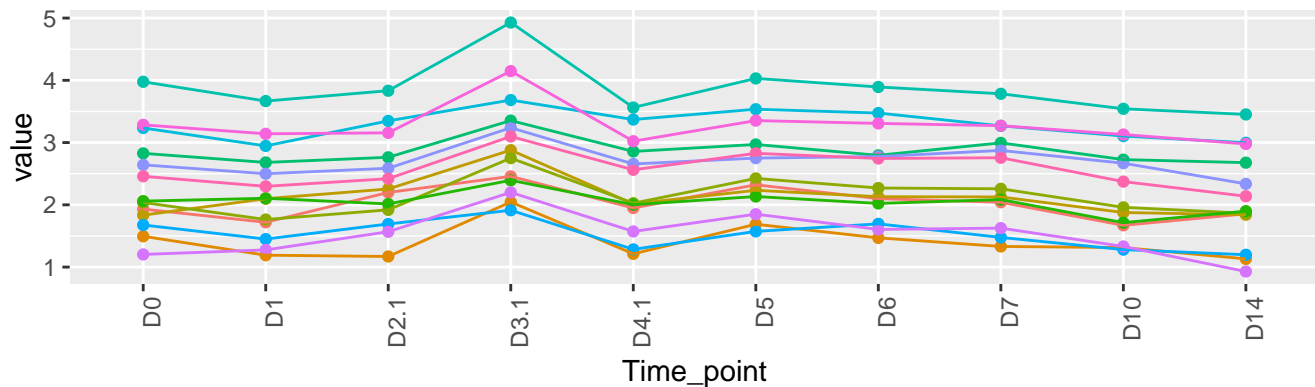
9 genes – KO-cluster-123-original



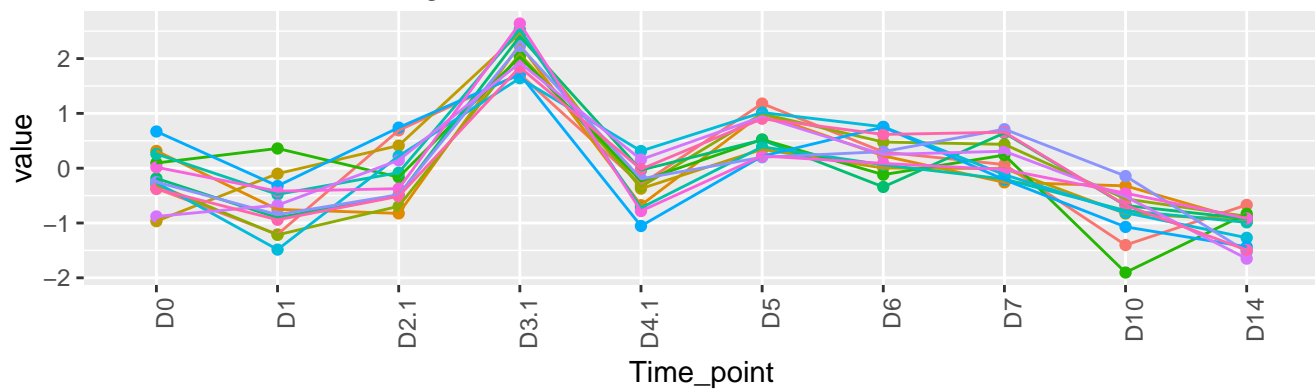
9 genes – KO-cluster-123-standardized



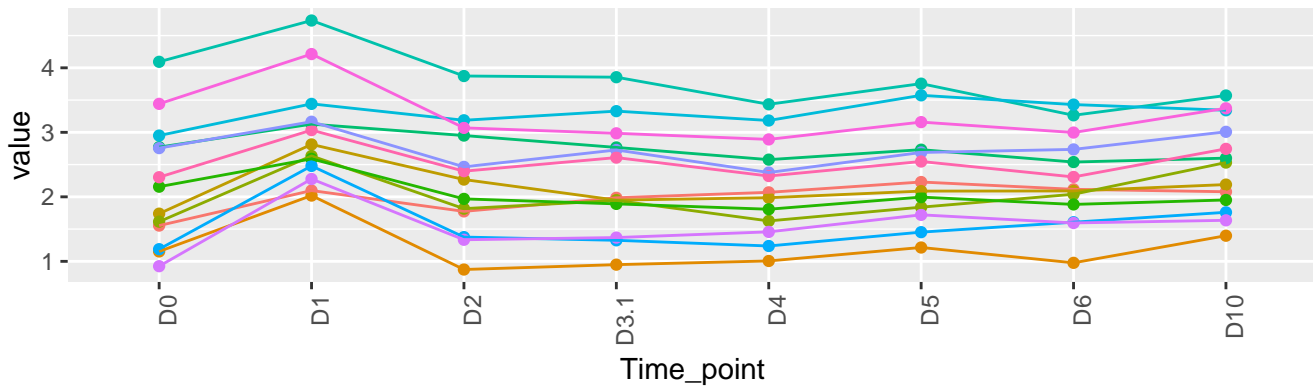
13 genes – WT-cluster-122-original



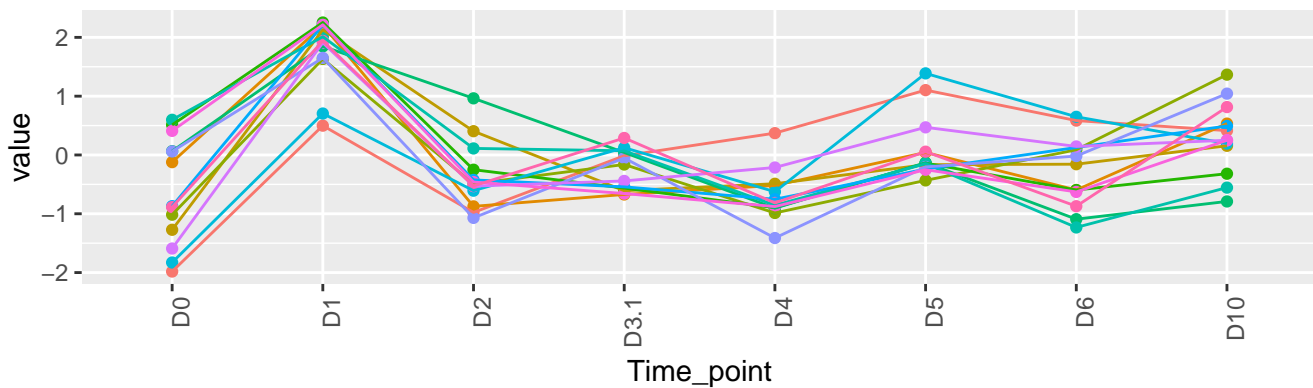
13 genes – WT-cluster-122-standardized



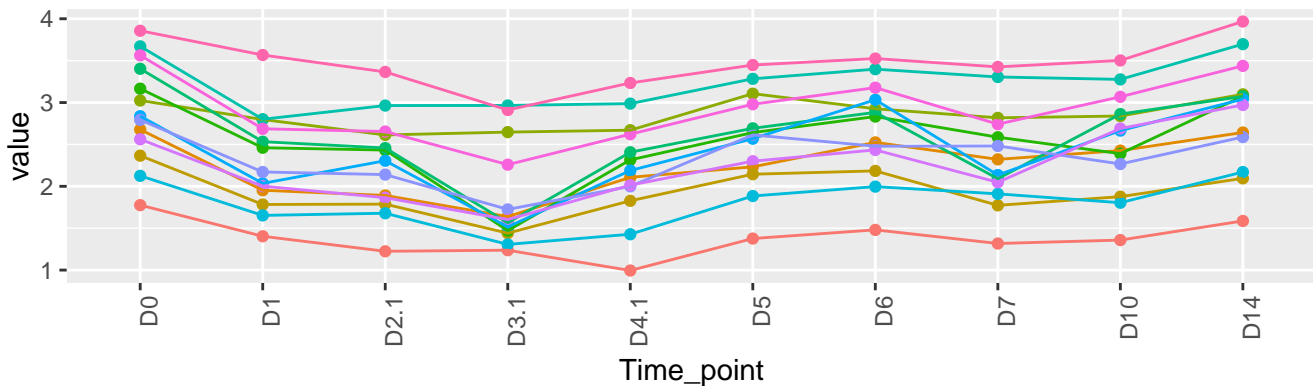
13 genes – KO-cluster-122-original



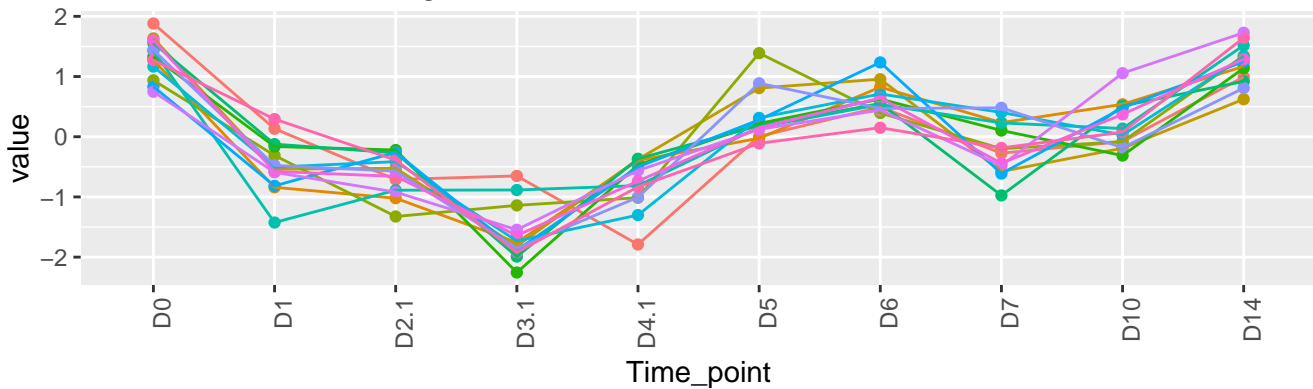
13 genes – KO-cluster-122-standardized



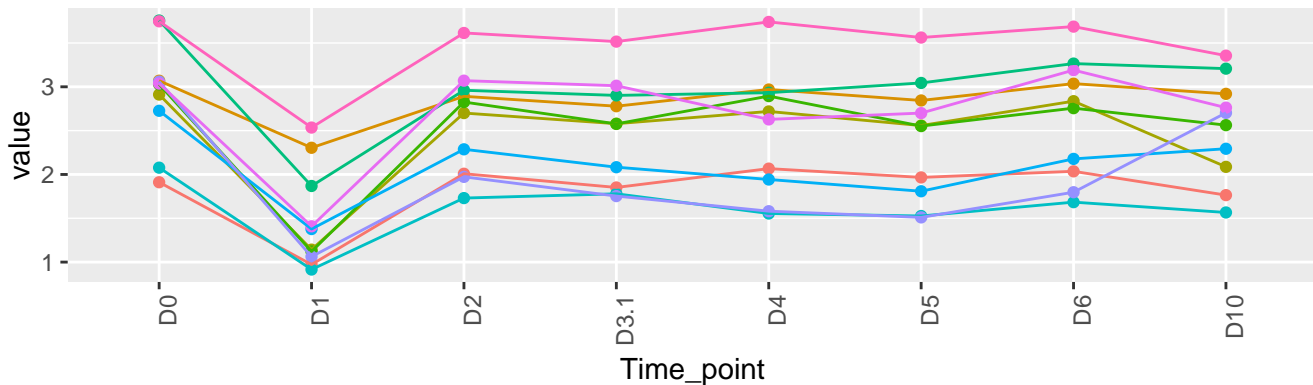
13 genes – WT-cluster-121-original



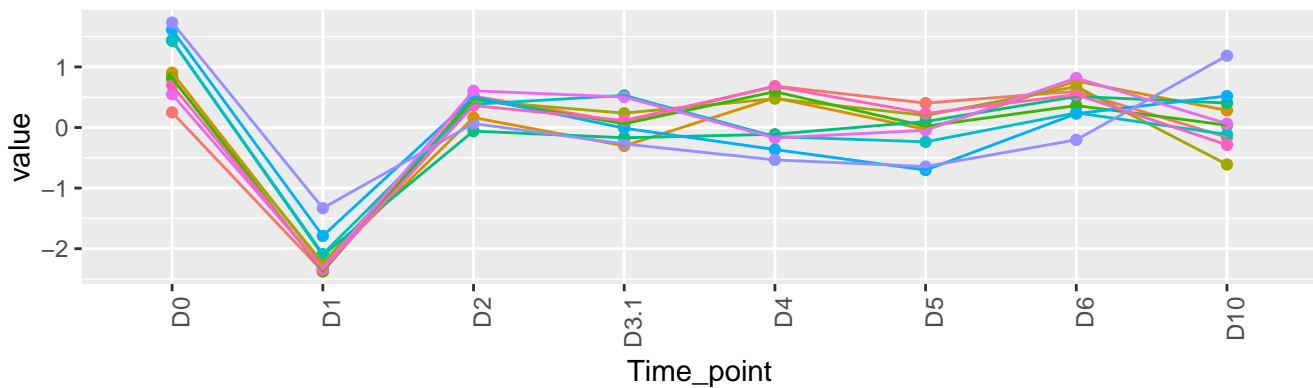
13 genes – WT-cluster-121-standardized



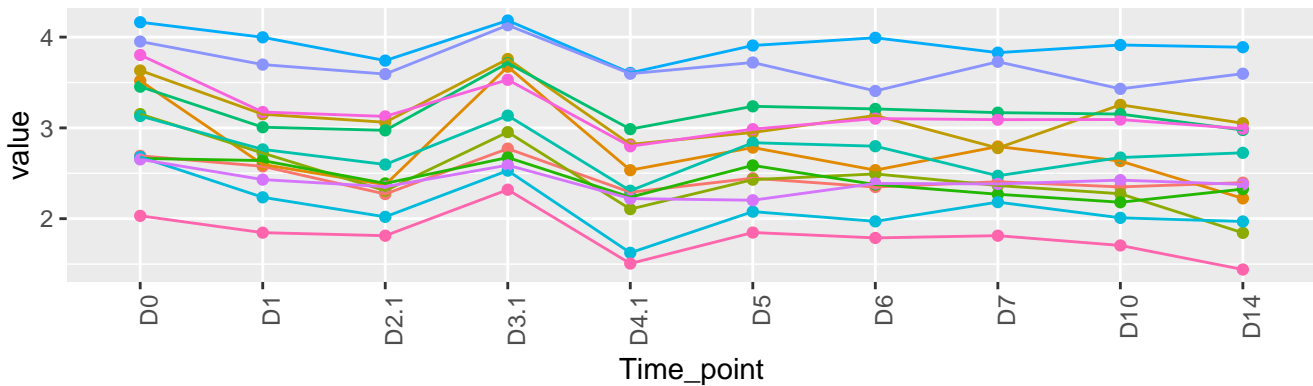
10 genes – KO-cluster-121-original



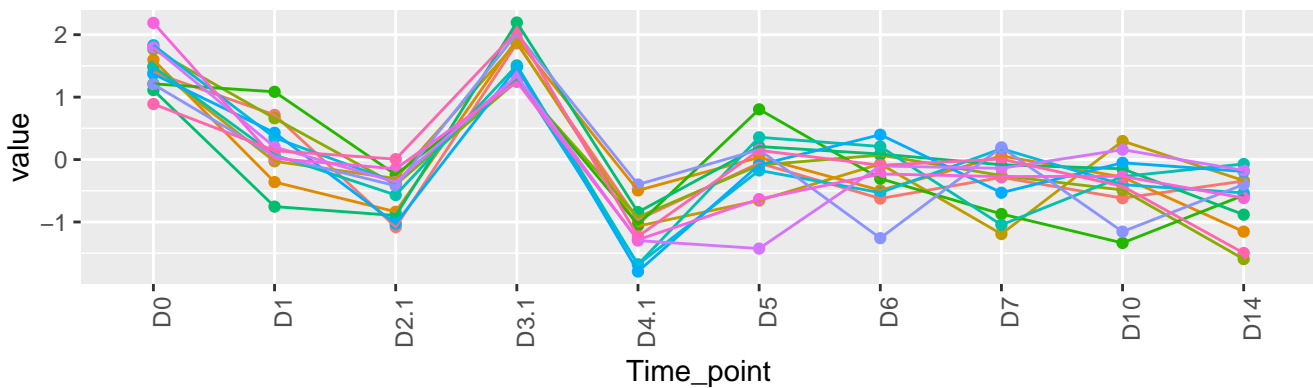
10 genes – KO-cluster-121-standardized



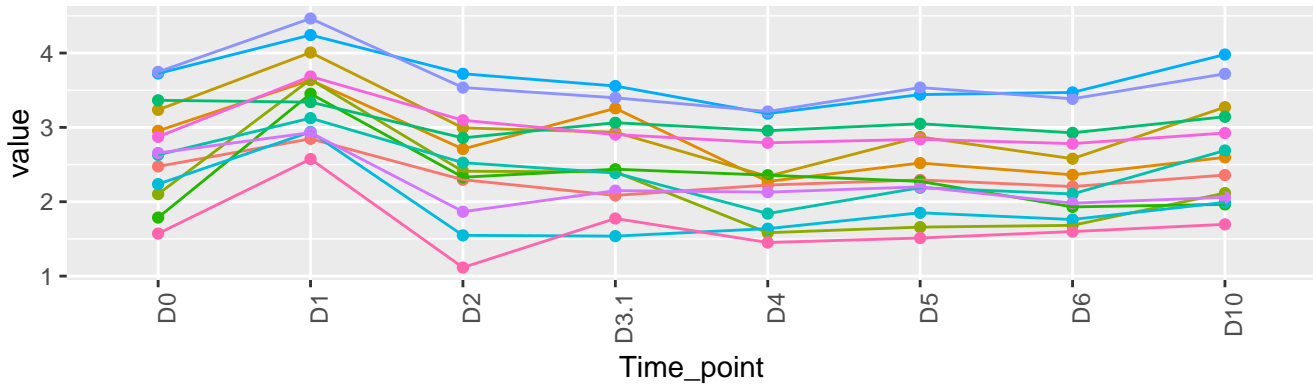
13 genes – WT-cluster-120-original



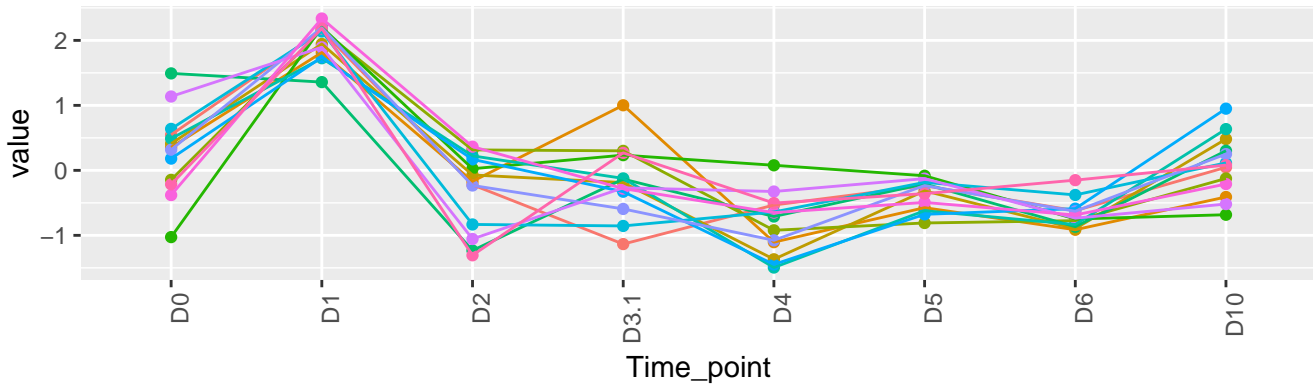
13 genes – WT-cluster-120-standardized



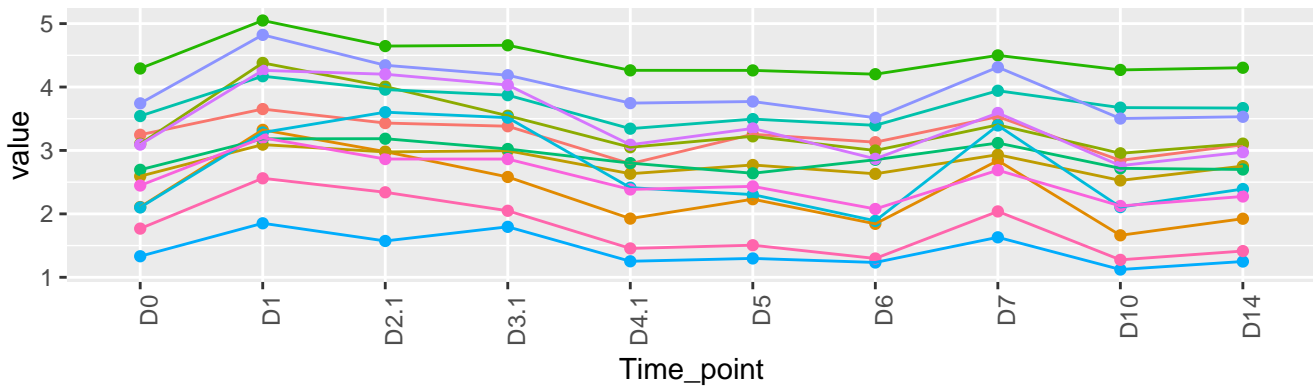
13 genes – KO-cluster-120-original



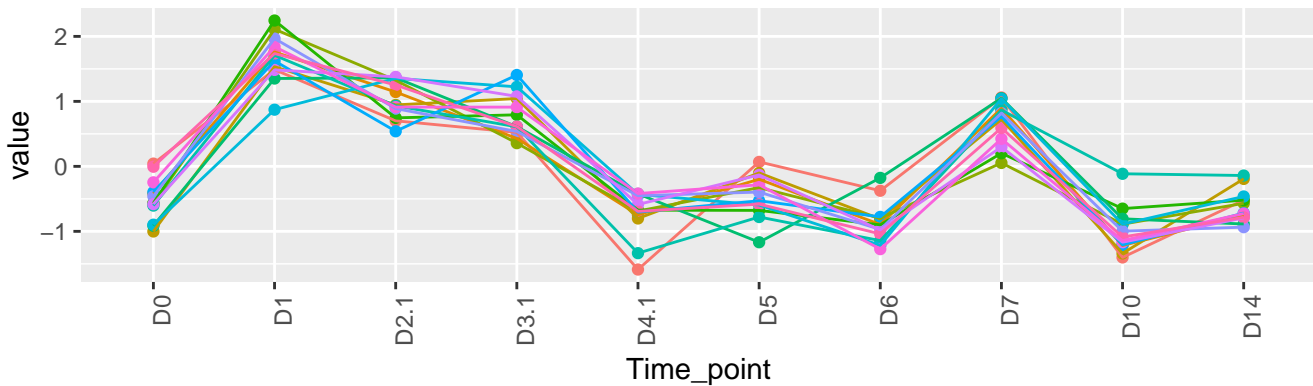
13 genes – KO-cluster-120-standardized



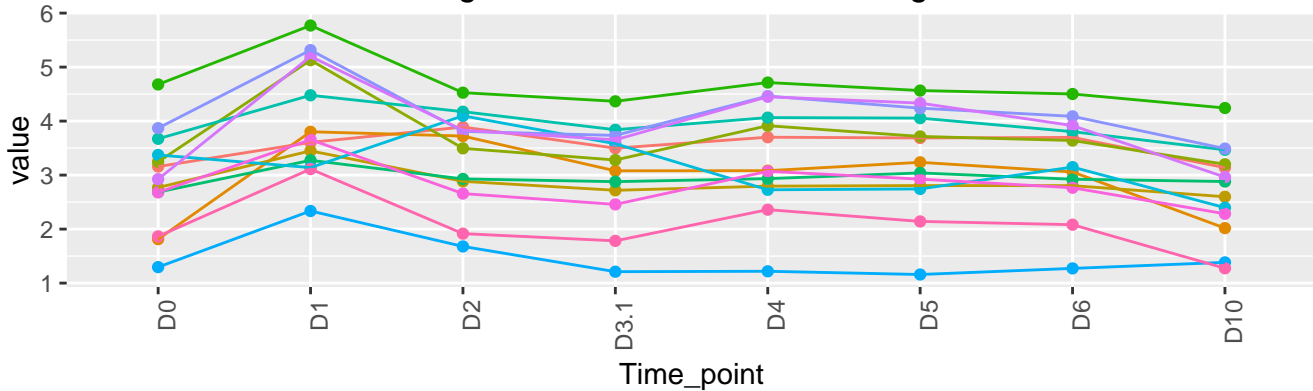
13 genes – WT-cluster-119-original



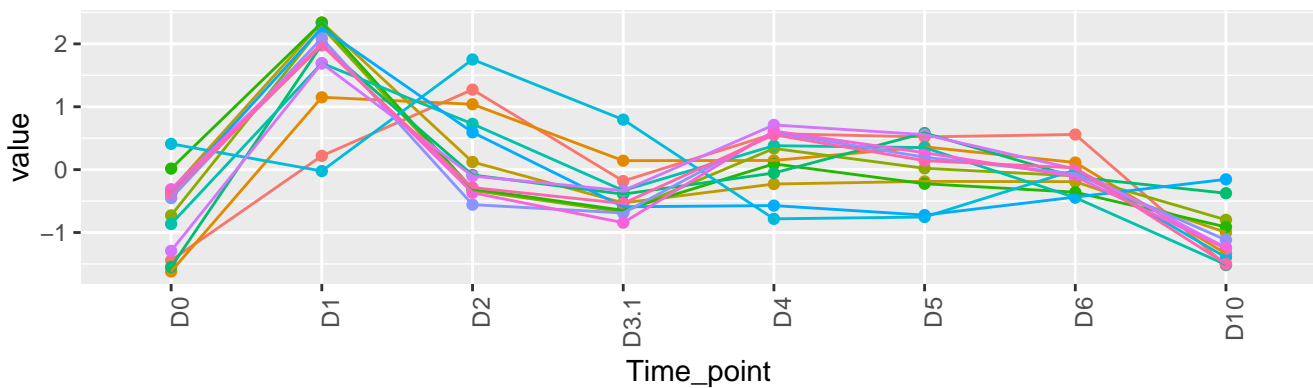
13 genes – WT-cluster-119-standardized



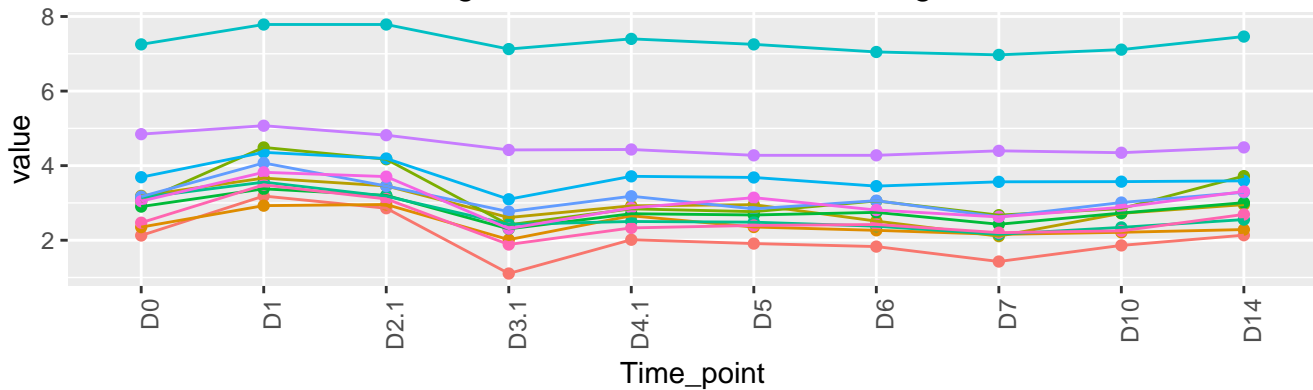
13 genes – KO-cluster-119-original



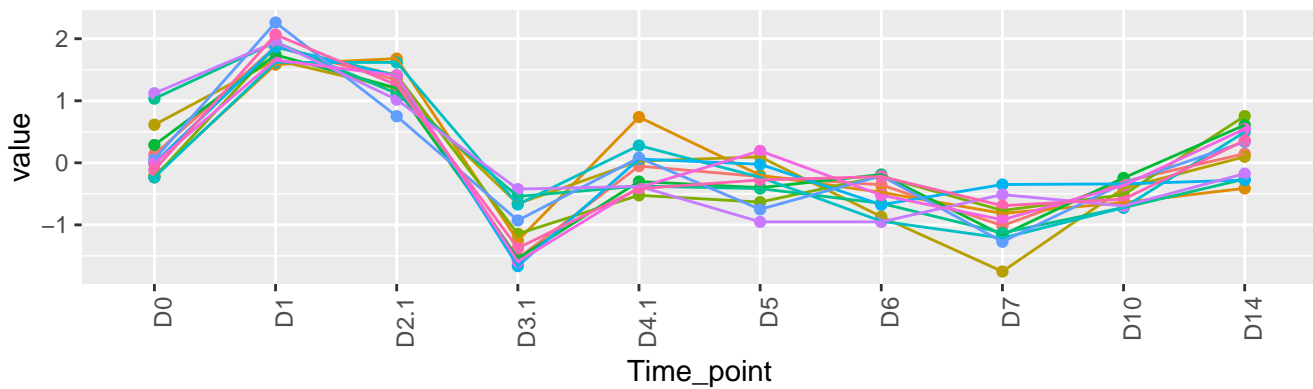
13 genes – KO-cluster-119-standardized



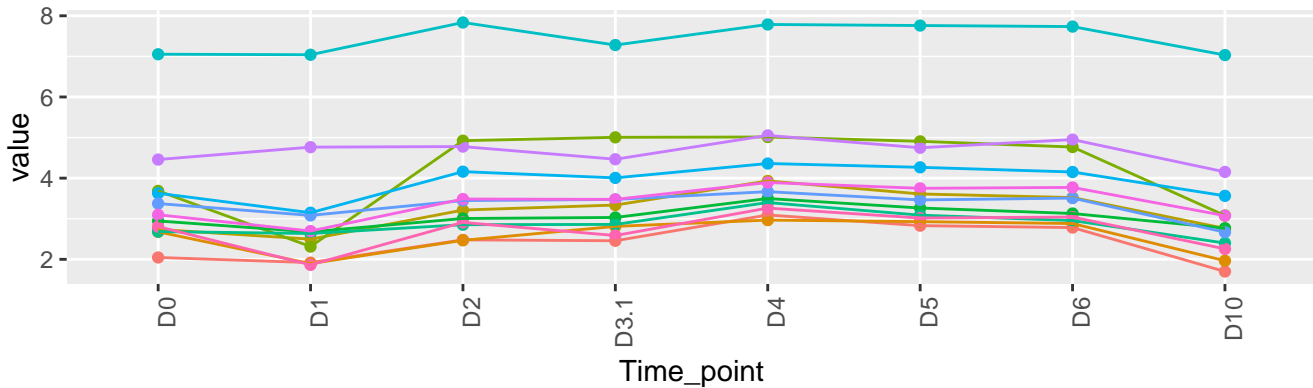
12 genes – WT-cluster-118-original



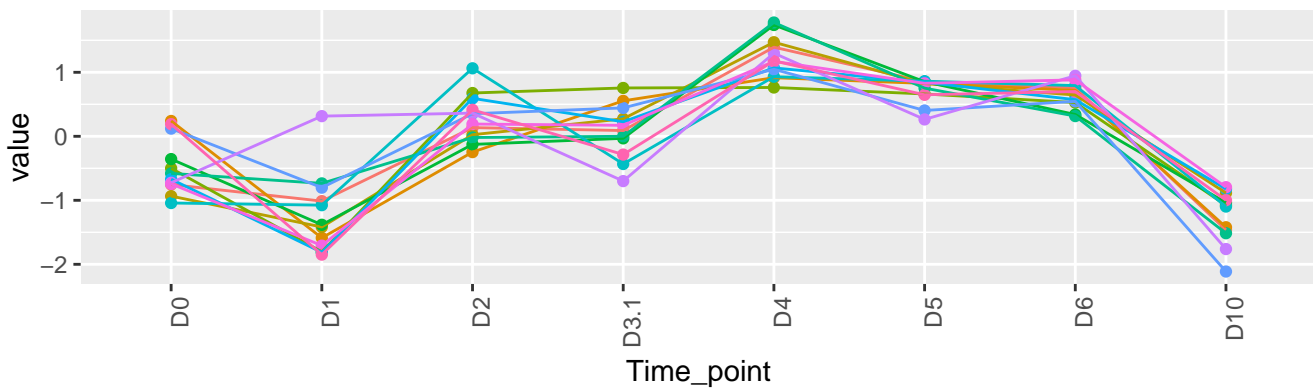
12 genes – WT-cluster-118-standardized



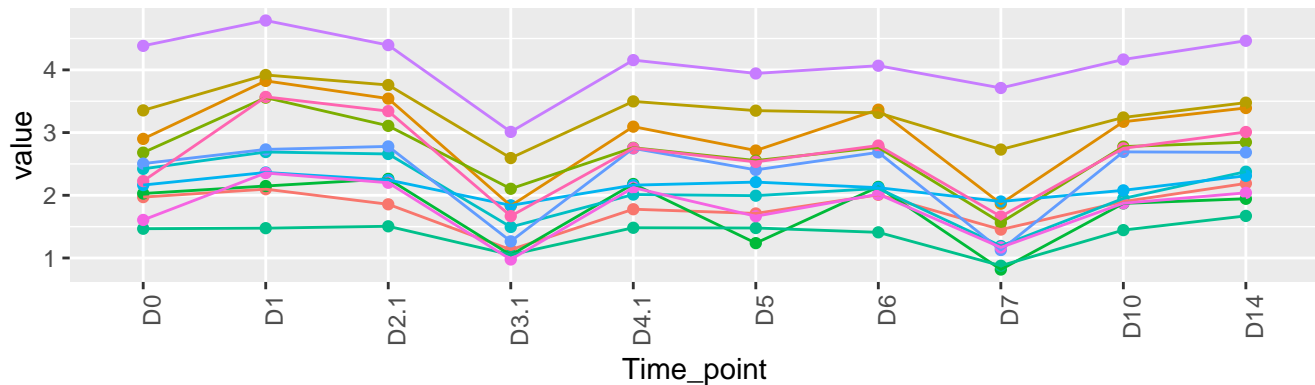
12 genes – KO-cluster-118-original



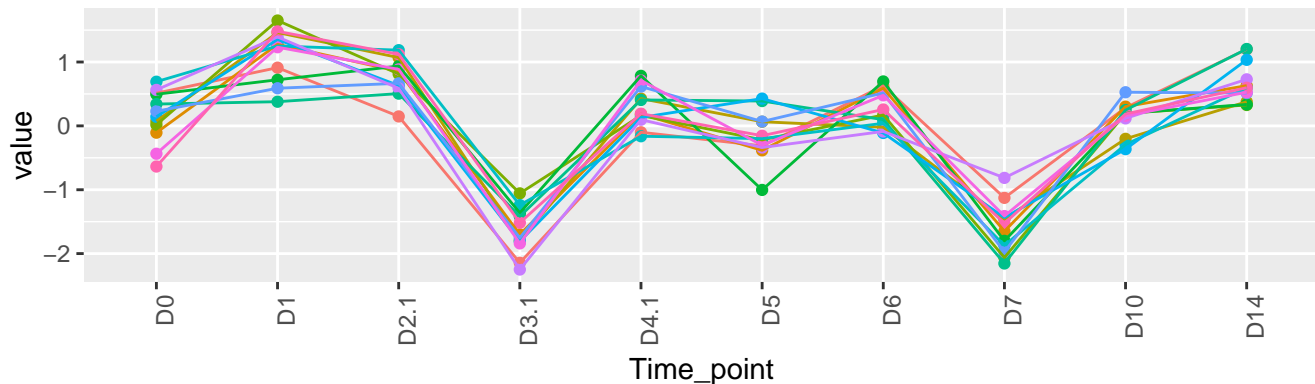
12 genes – KO-cluster-118-standardized



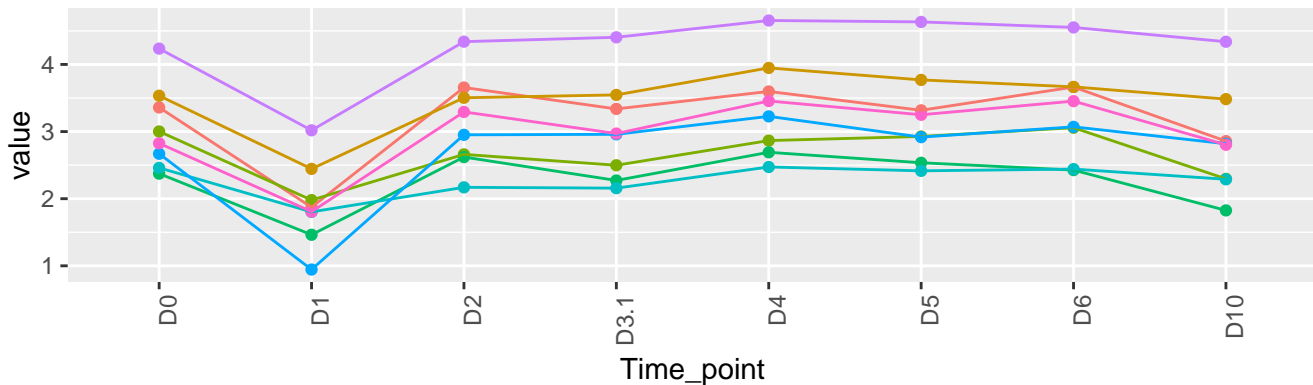
12 genes – WT-cluster-117-original



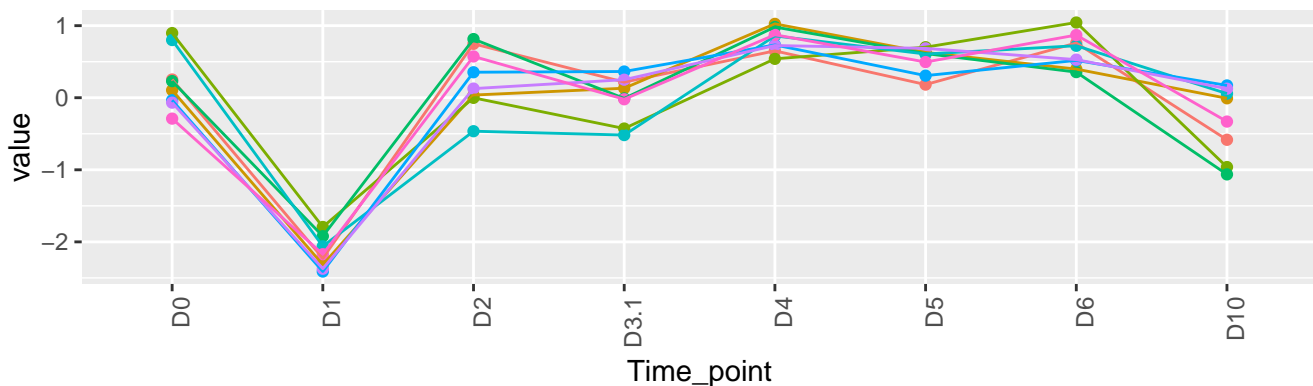
12 genes – WT-cluster-117-standardized



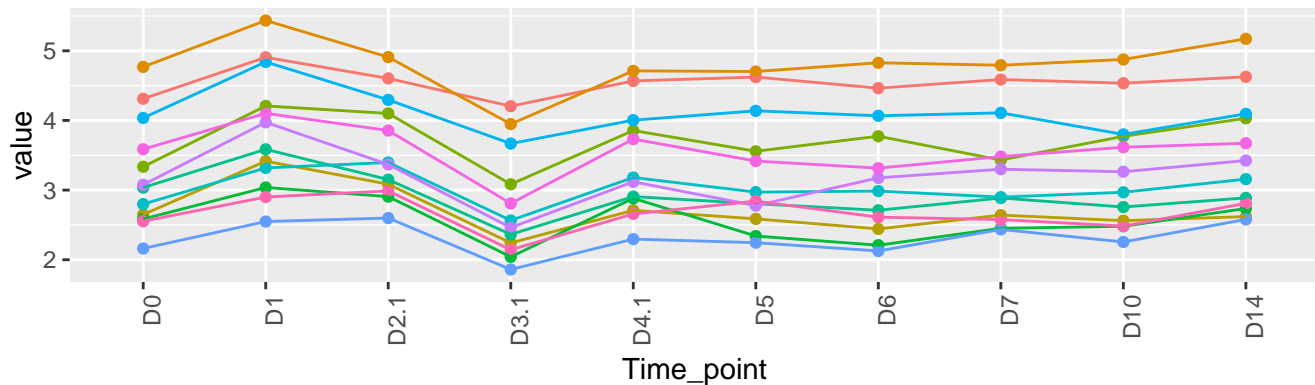
8 genes – KO-cluster-117-original



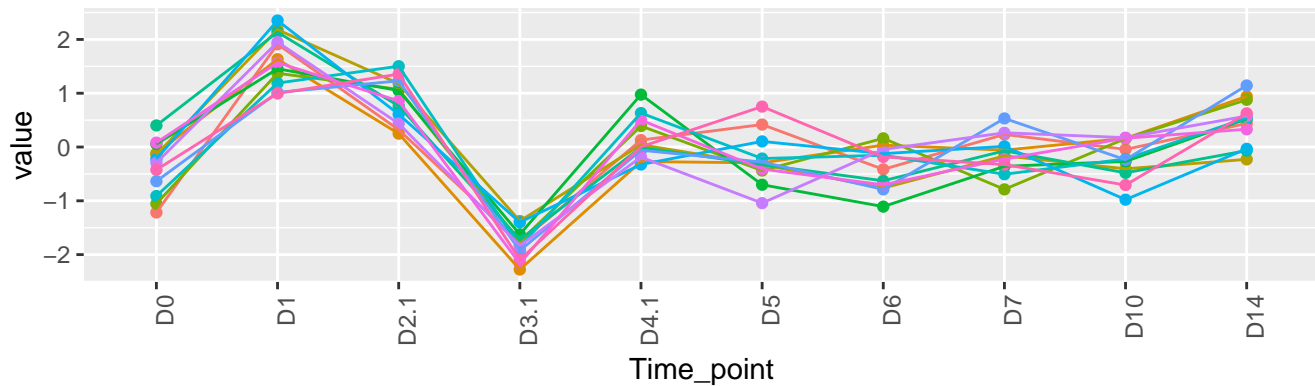
8 genes – KO-cluster-117-standardized



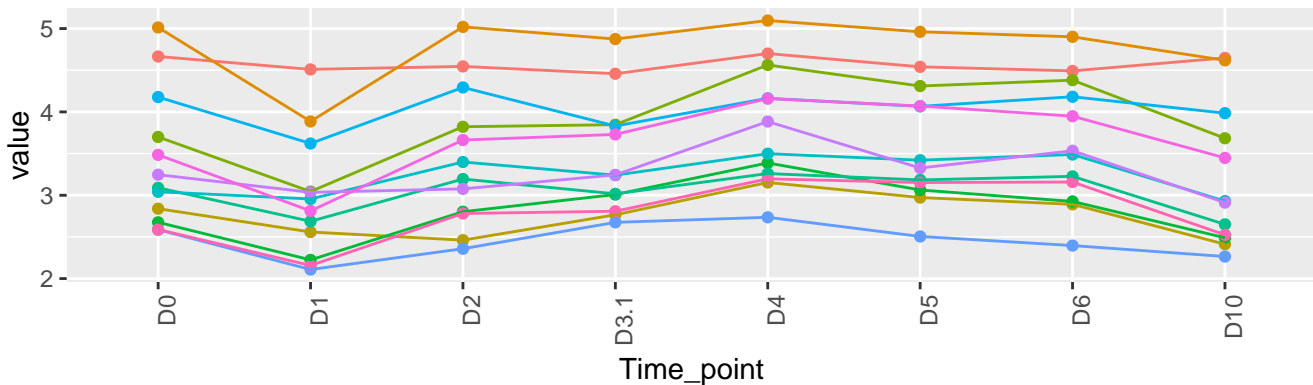
12 genes – WT-cluster-116-original



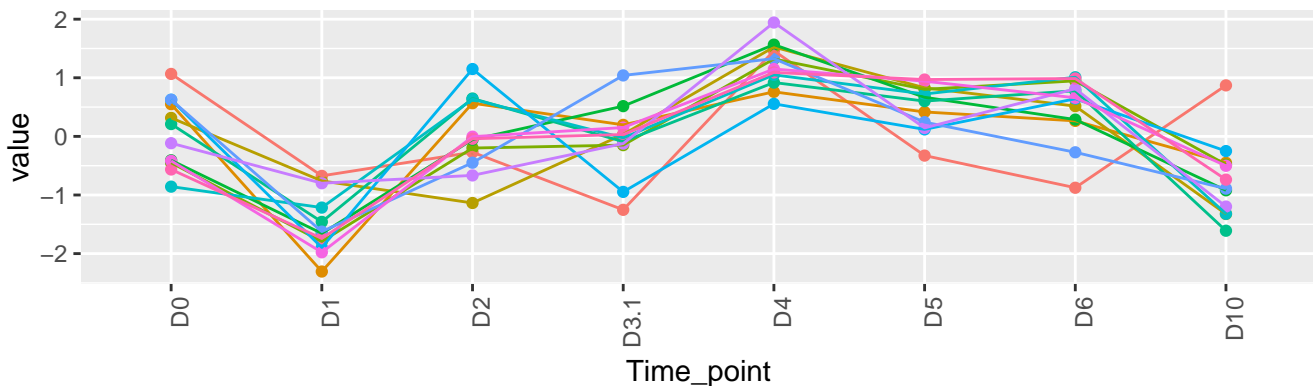
12 genes – WT-cluster-116-standardized



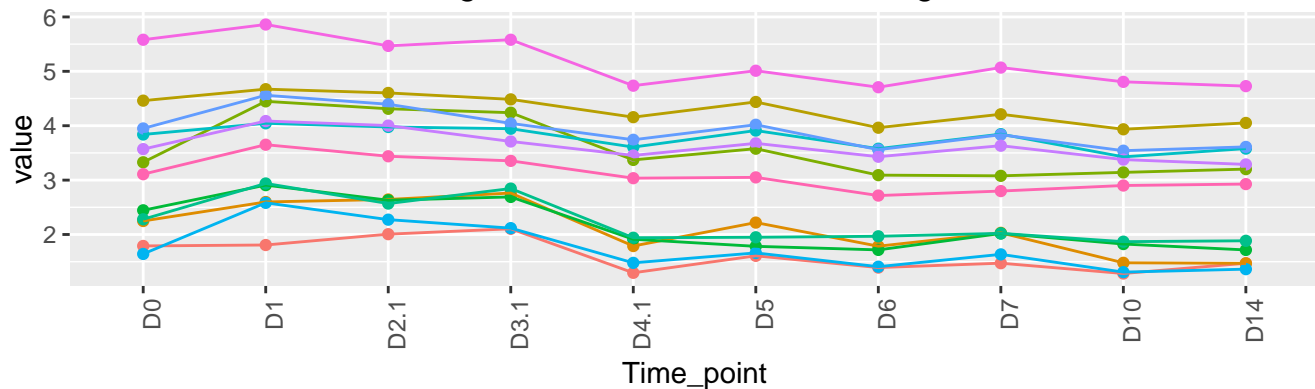
12 genes – KO-cluster-116-original



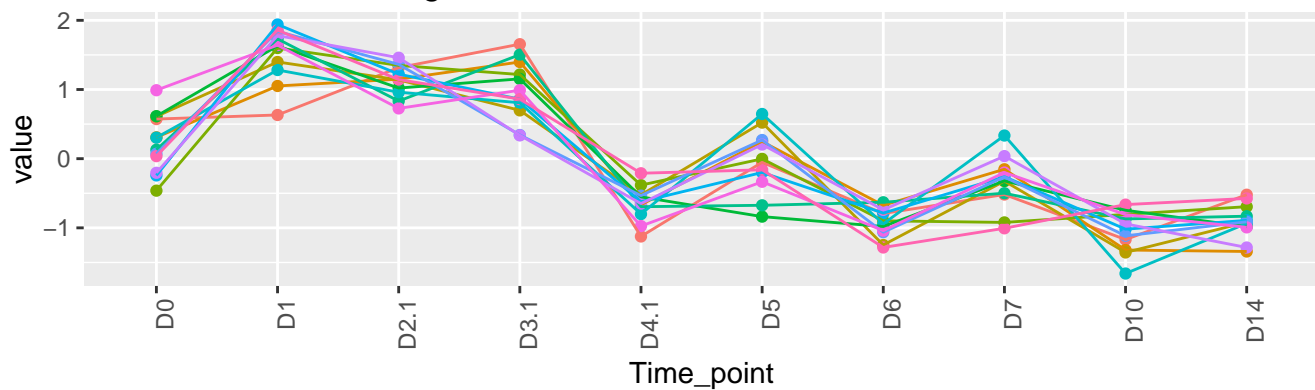
12 genes – KO-cluster-116-standardized



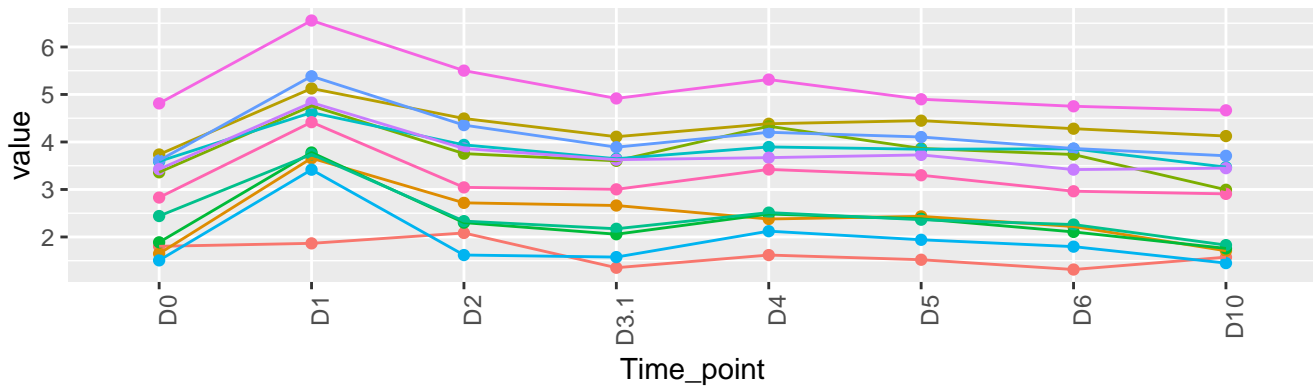
12 genes – WT-cluster-115-original



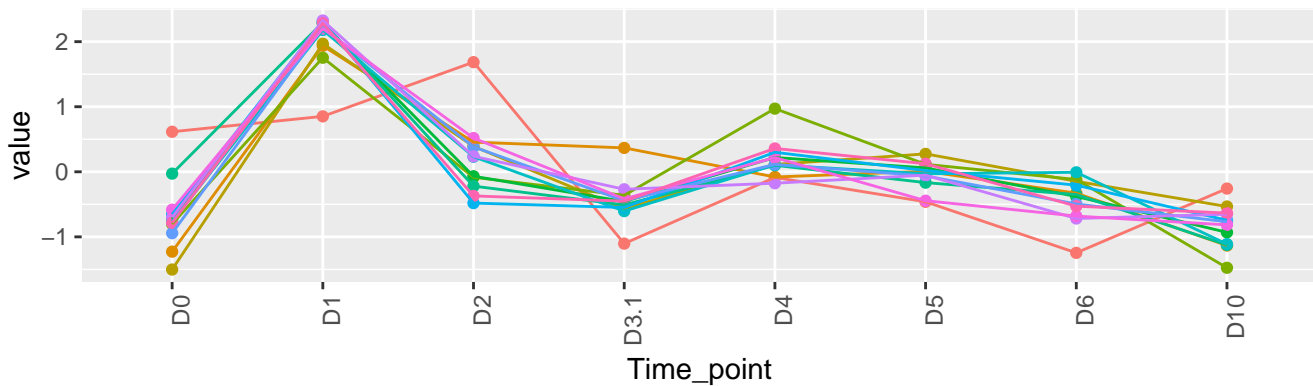
12 genes – WT-cluster-115-standardized



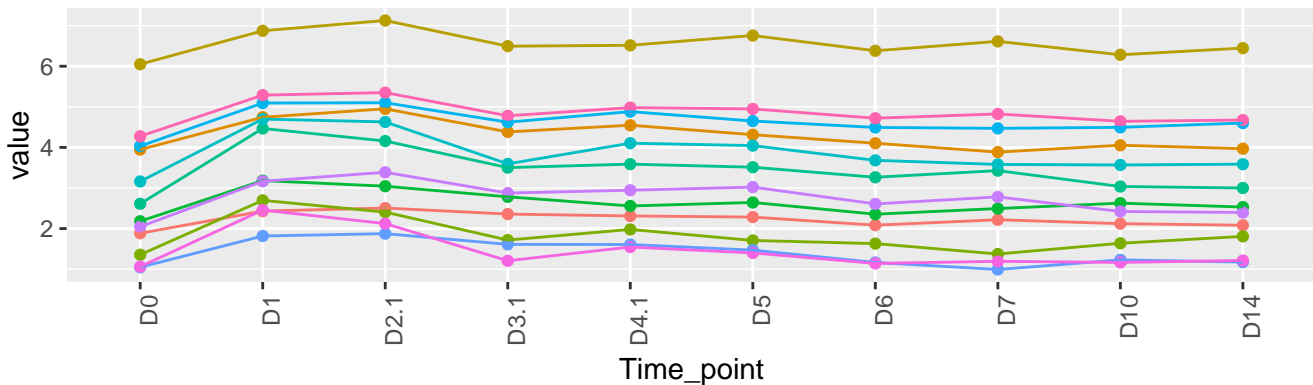
12 genes – KO-cluster-115-original



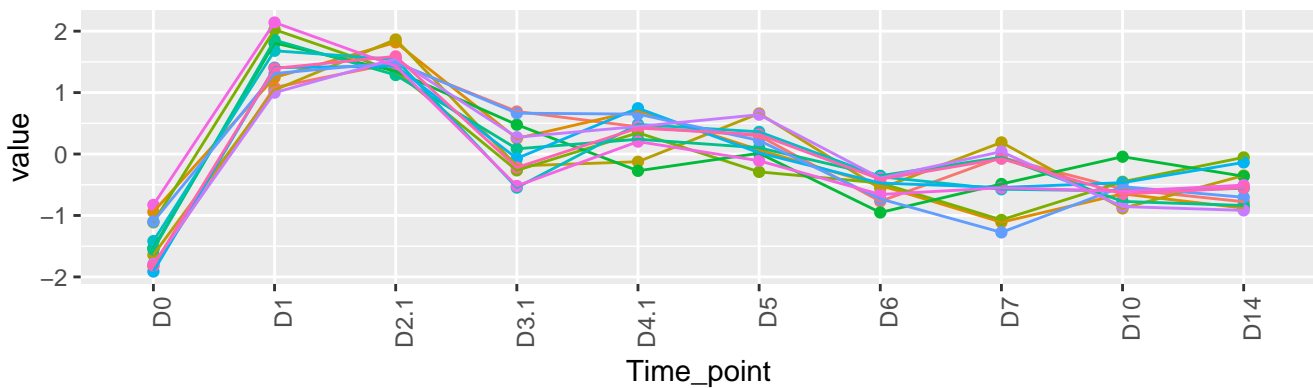
12 genes – KO-cluster-115-standardized



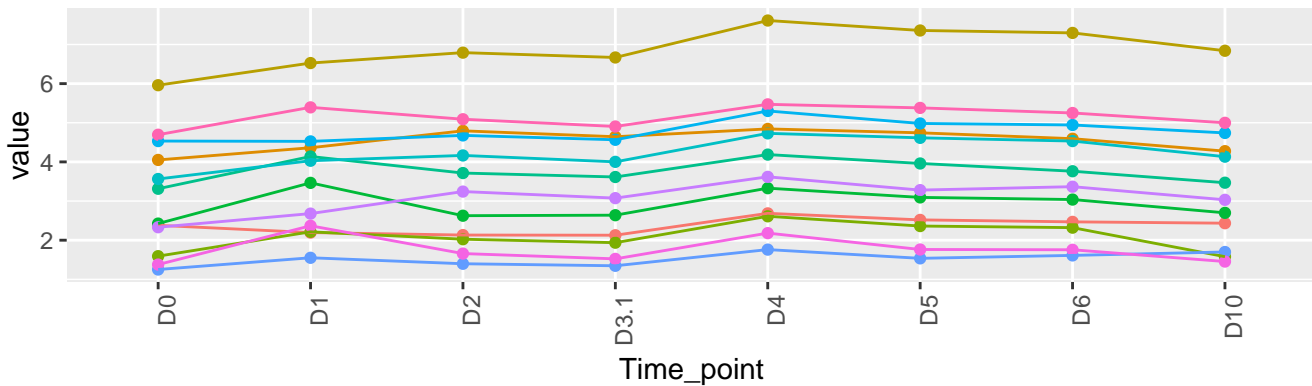
12 genes – WT-cluster-114-original



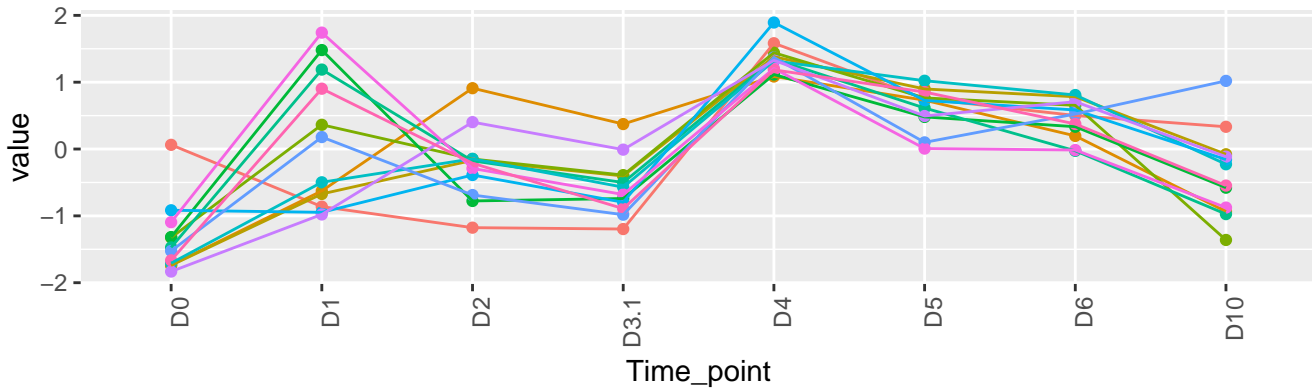
12 genes – WT-cluster-114-standardized



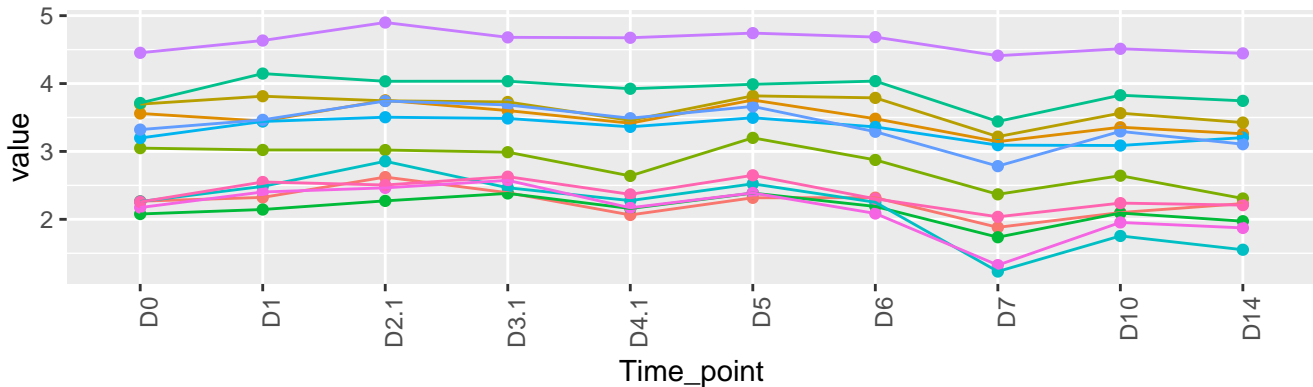
12 genes – KO-cluster-114-original



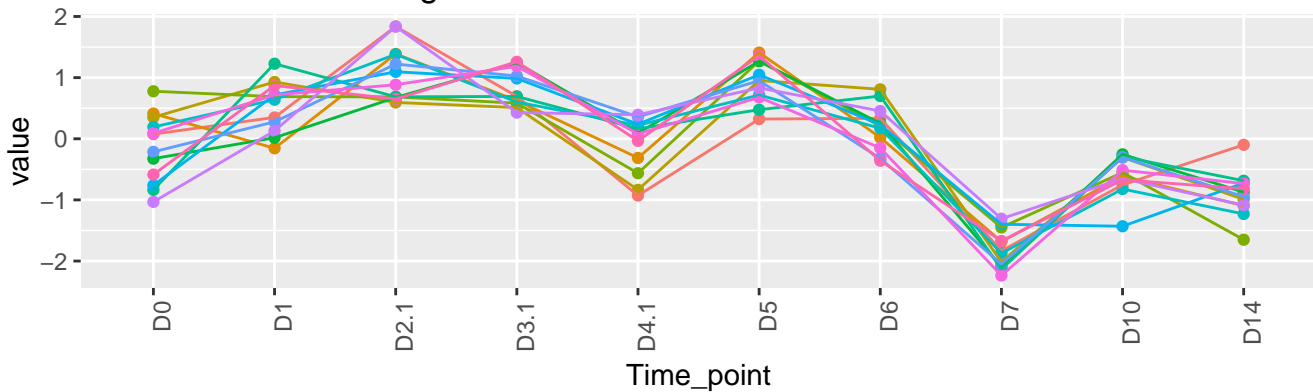
12 genes – KO-cluster-114-standardized



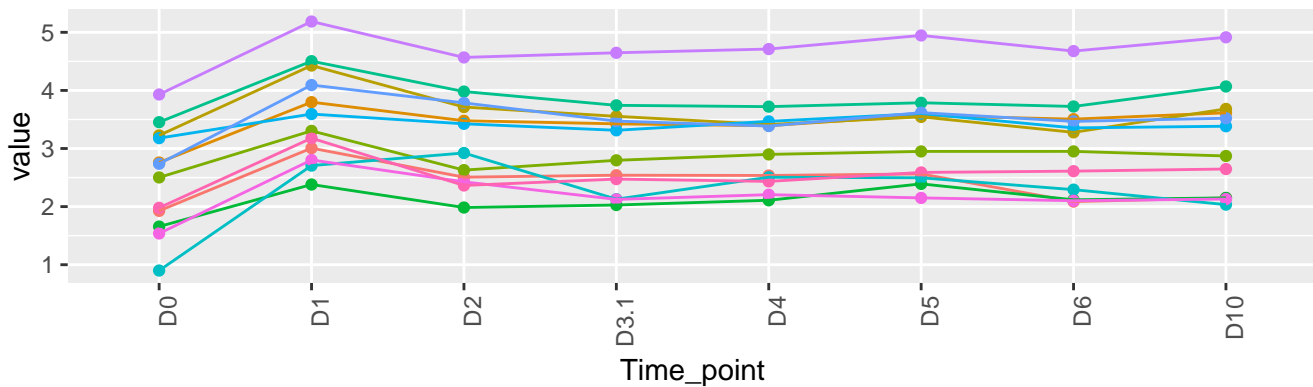
12 genes – WT-cluster-113-original



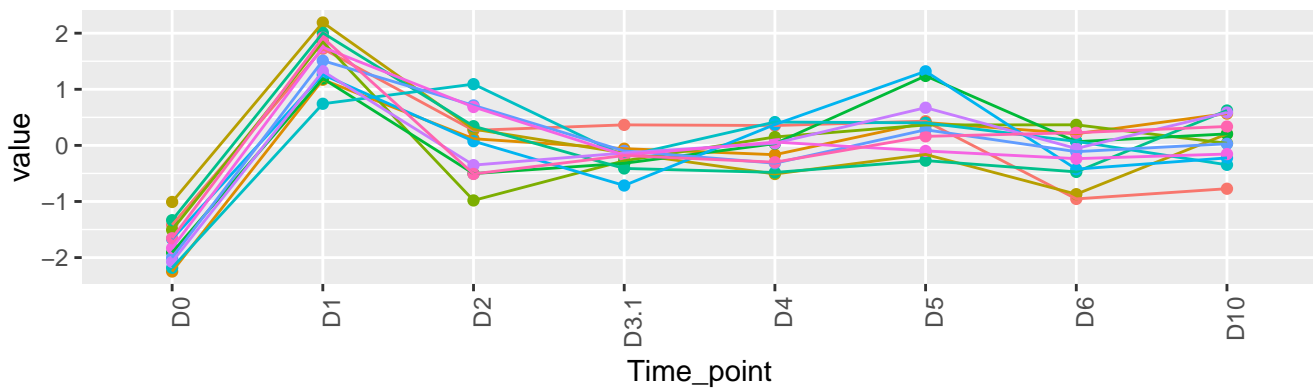
12 genes – WT-cluster-113-standardized



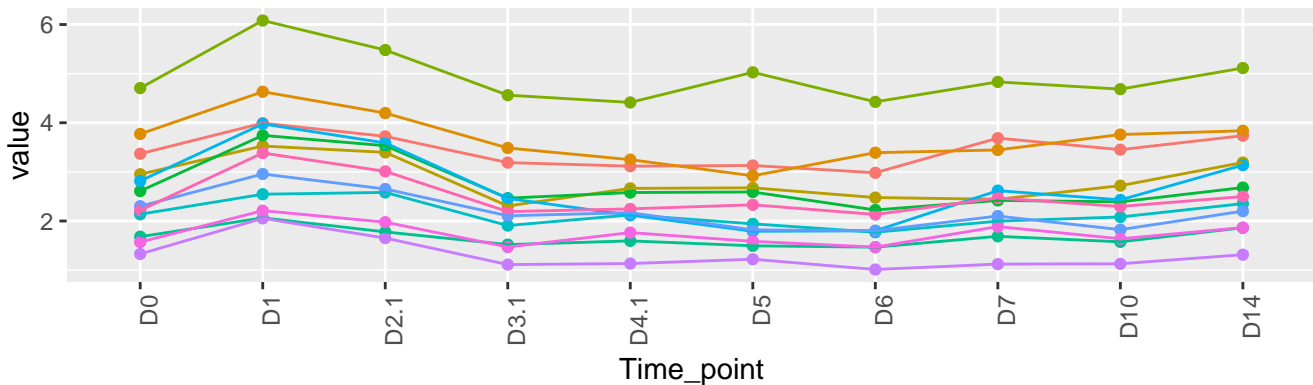
12 genes – KO-cluster-113-original



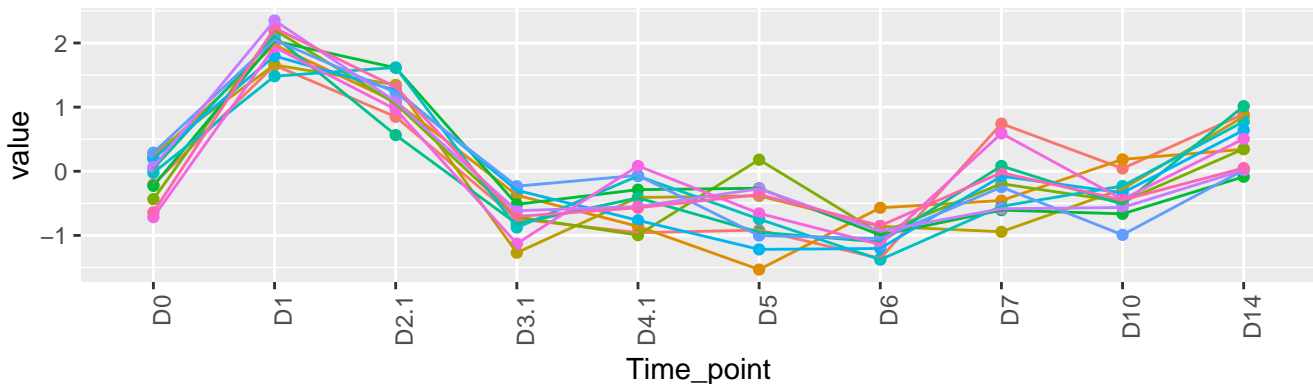
12 genes – KO-cluster-113-standardized



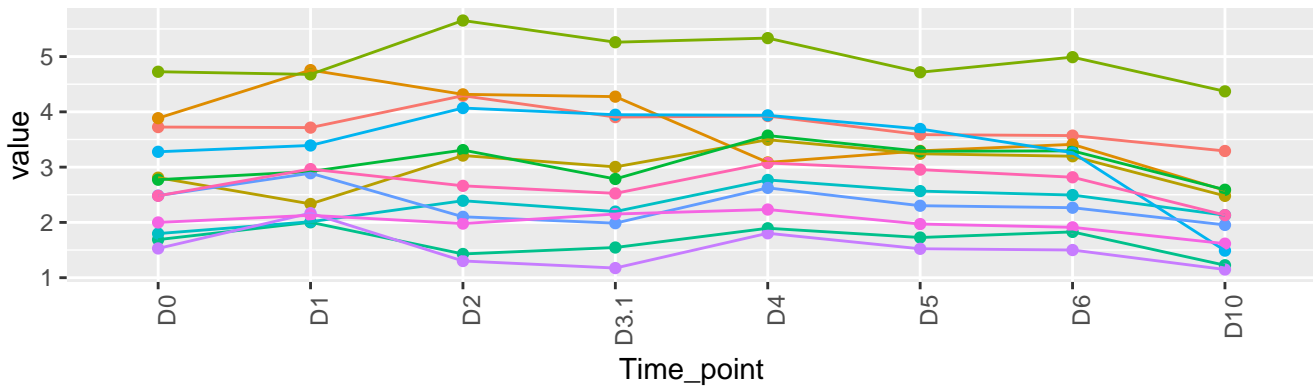
12 genes – WT-cluster-112-original



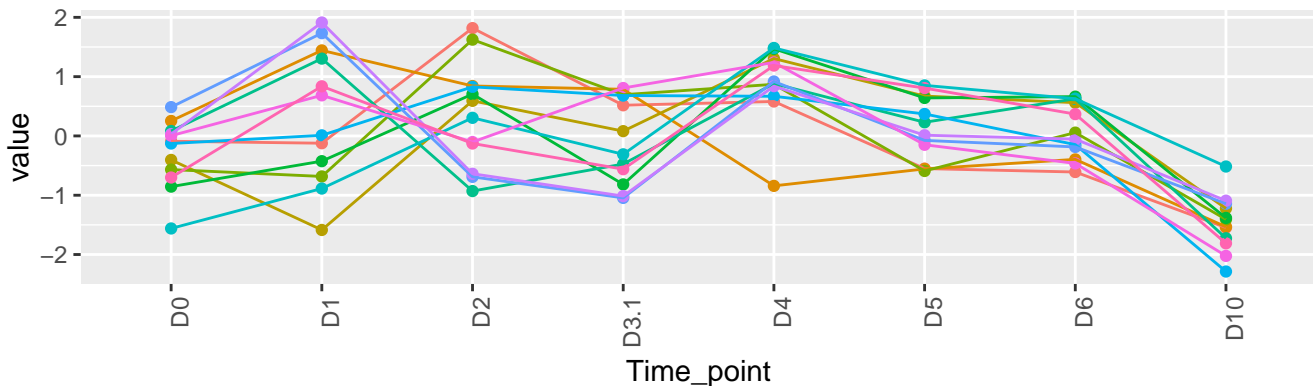
12 genes – WT-cluster-112-standardized



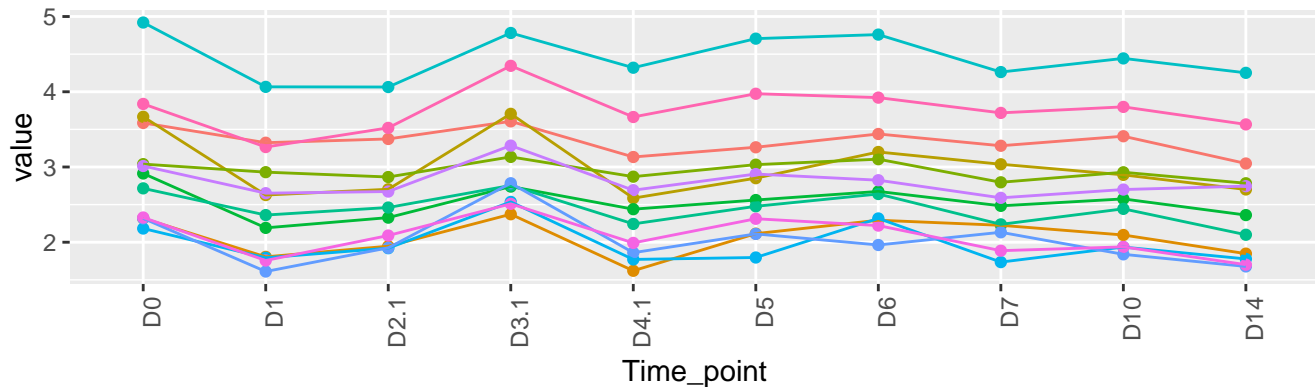
12 genes – KO-cluster-112-original



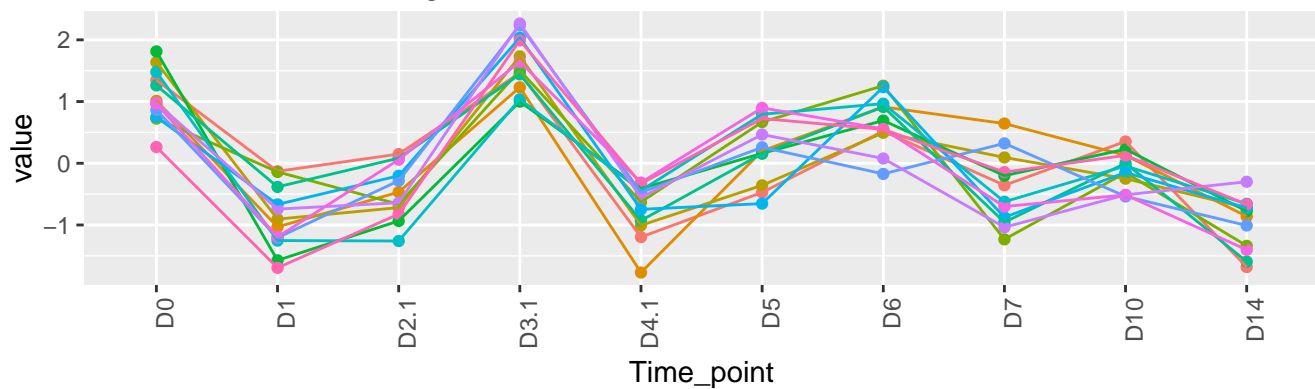
12 genes – KO-cluster-112-standardized



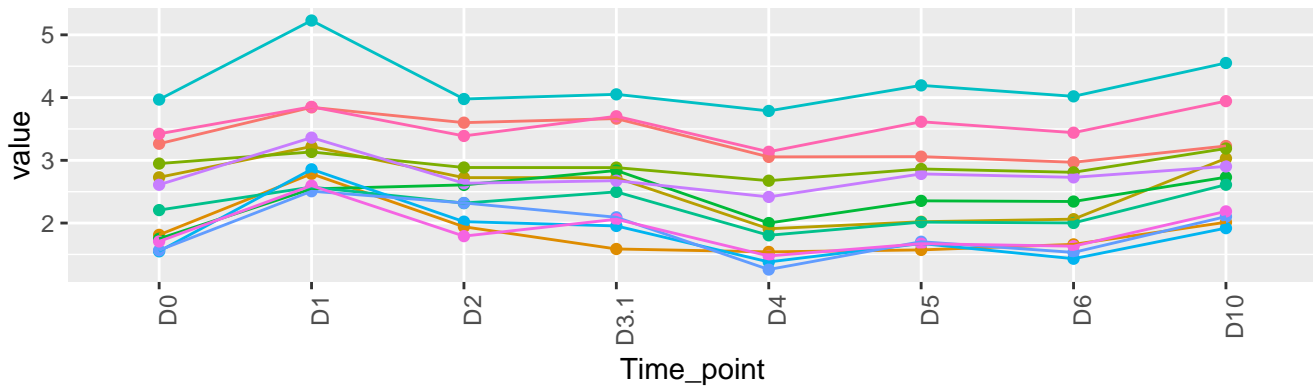
12 genes – WT-cluster-111-original



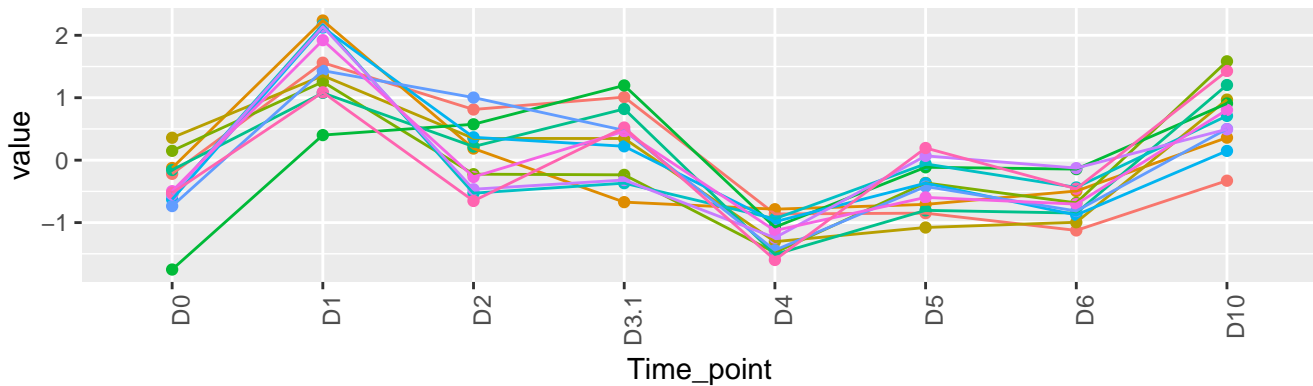
12 genes – WT-cluster-111-standardized



12 genes – KO-cluster-111-original



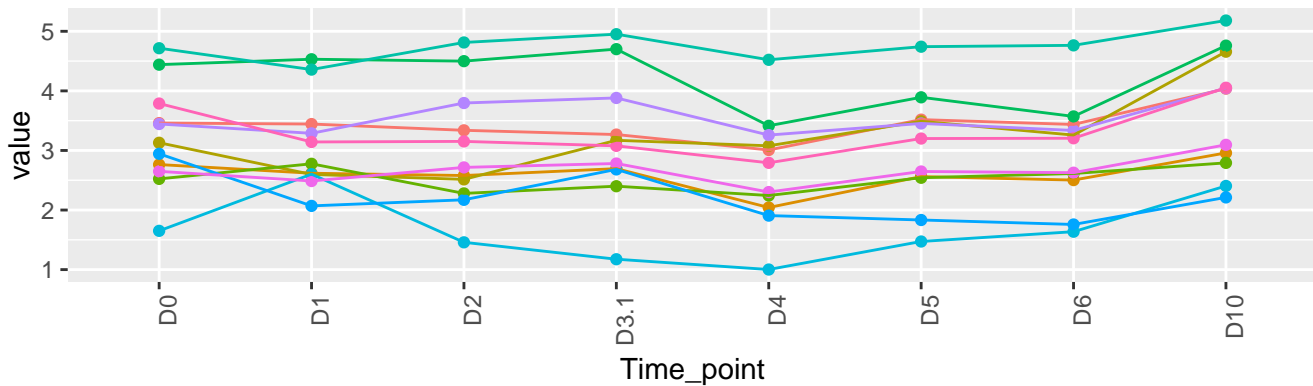
12 genes – KO-cluster-111-standardized



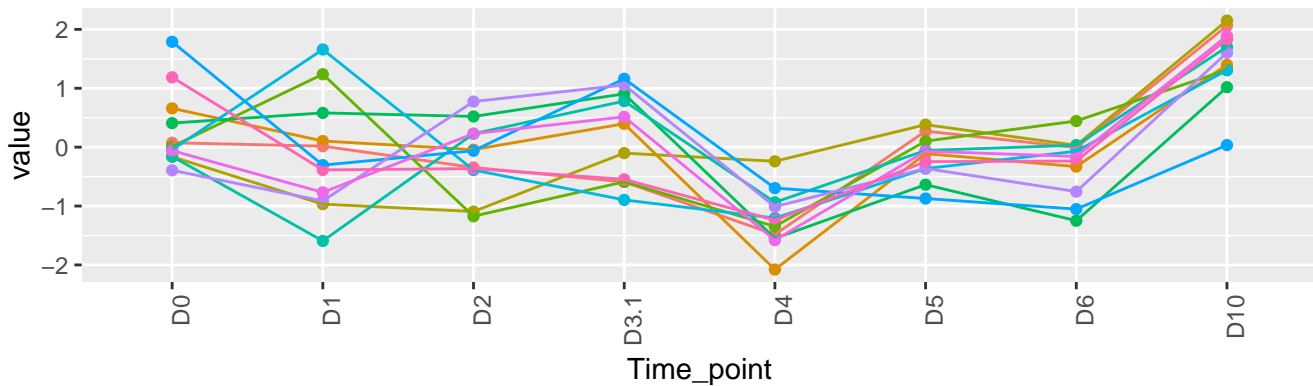
The graph displays the evolution of 10 different values over time. The y-axis, labeled 'value', ranges from 1 to 5. The x-axis, labeled 'Time_point', shows discrete time points: D0, D1, D2.1, D3.1, D4.1, D5, D6, D7, D10, and D14. The lines represent different values, with colors corresponding to the legend: Value 1 (dark blue), Value 2 (light blue), Value 3 (yellow), Value 4 (green), Value 5 (red), Value 6 (purple), Value 7 (brown), Value 8 (pink), Value 9 (cyan), and Value 10 (dark green). Value 9 (cyan) starts at approximately 4.8 and remains relatively stable, ending at 4.8. Value 10 (dark green) starts at approximately 2.6 and ends at 2.7. Value 1 (dark blue) starts at approximately 1.8 and ends at 1.9. Value 2 (light blue) starts at approximately 1.6 and ends at 1.6. Value 3 (yellow) starts at approximately 1.3 and ends at 1.4. Value 4 (green) starts at approximately 3.2 and ends at 3.3. Value 5 (red) starts at approximately 3.3 and ends at 3.8. Value 6 (purple) starts at approximately 3.8 and ends at 3.6. Value 7 (brown) starts at approximately 3.2 and ends at 3.3. Value 8 (pink) starts at approximately 3.8 and ends at 3.0. Value 10 (dark green) starts at approximately 2.6 and ends at 2.7.

The graph displays the temporal evolution of the first principal component (PC1) for ten distinct groups. The x-axis, labeled 'Time_point', includes D0, D1, D2.1, D3.1, D4.1, D5, D6, D7, D10, and D14. The y-axis, labeled 'value', ranges from -2 to 2. The groups are represented by lines of different colors: red, green, blue, orange, yellow, purple, pink, light blue, dark green, and brown. Most groups show a significant decrease in PC1 value from D0 to D1, followed by a recovery and stabilization. Group 1 (red) shows a unique pattern with a sharp drop at D1 and a subsequent rise. Group 10 (brown) shows a more gradual decline and stabilization at lower values compared to the other groups.

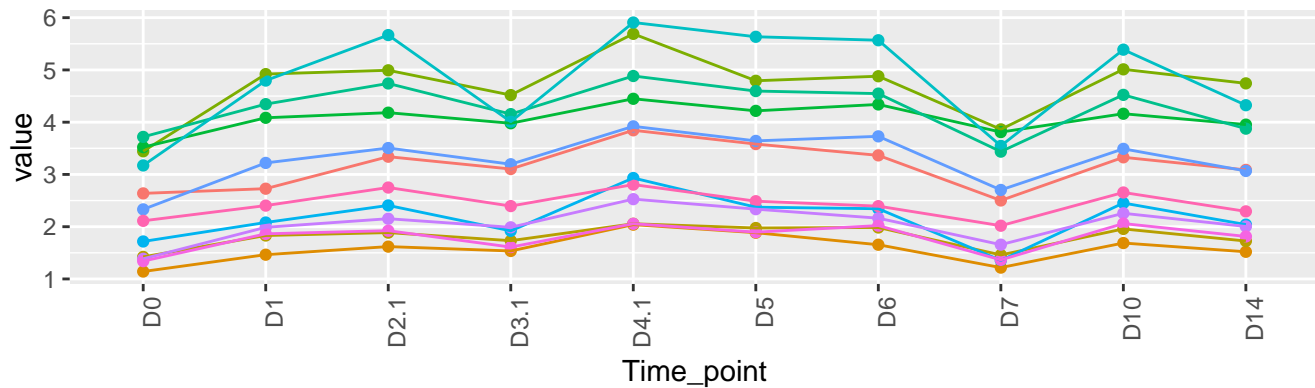
11 genes – KO-cluster-110-original



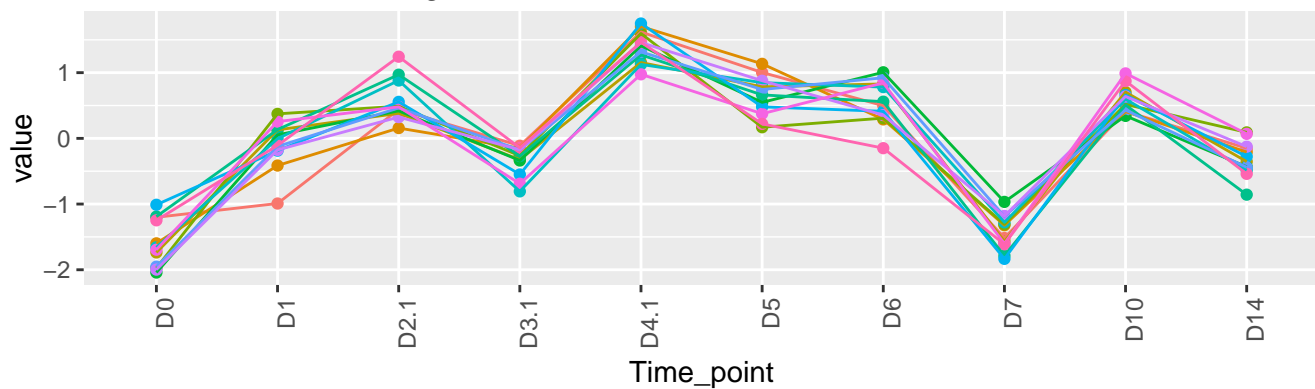
11 genes – KO-cluster-110-standardized



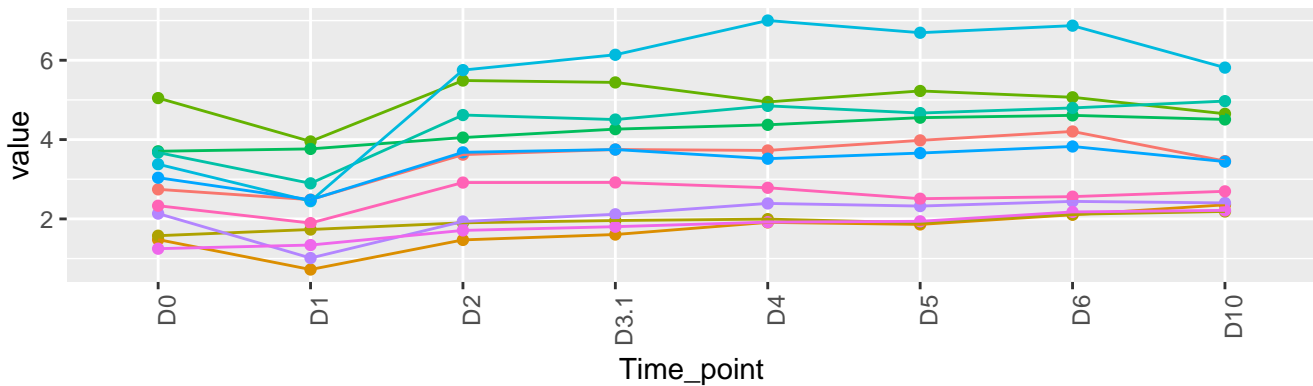
12 genes – WT-cluster-109-original



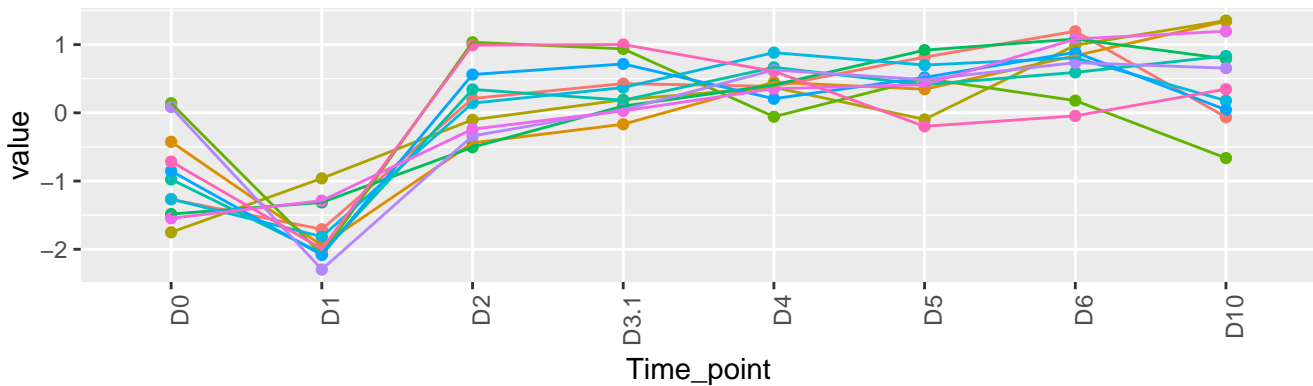
12 genes – WT-cluster-109-standardized



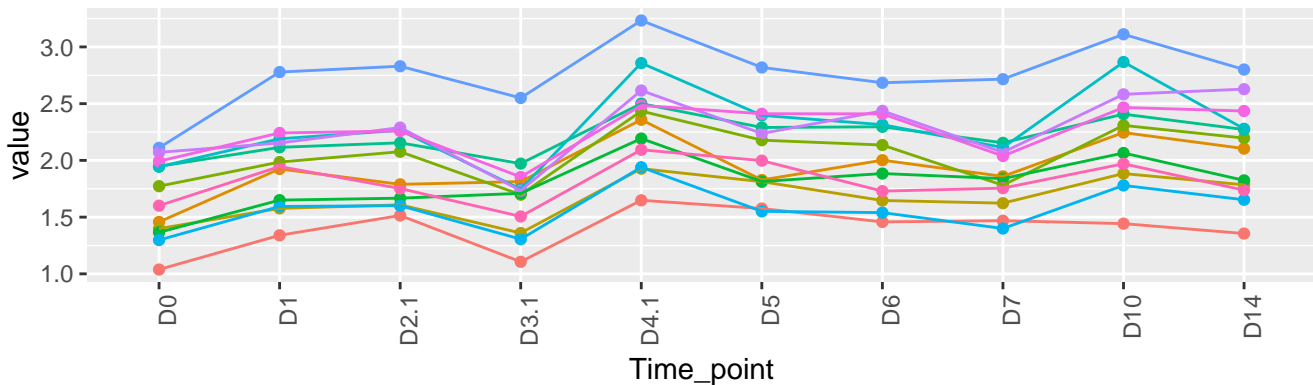
11 genes – KO-cluster-109-original



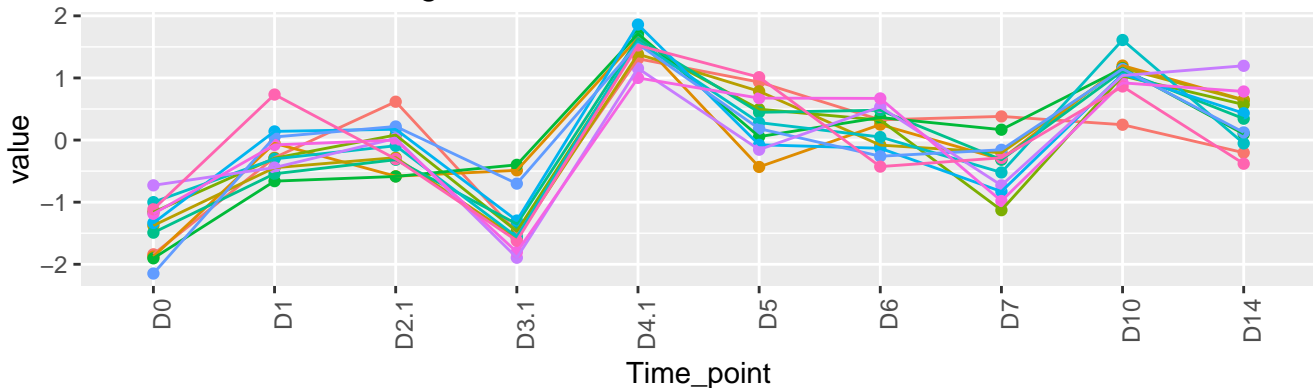
11 genes – KO-cluster-109-standardized



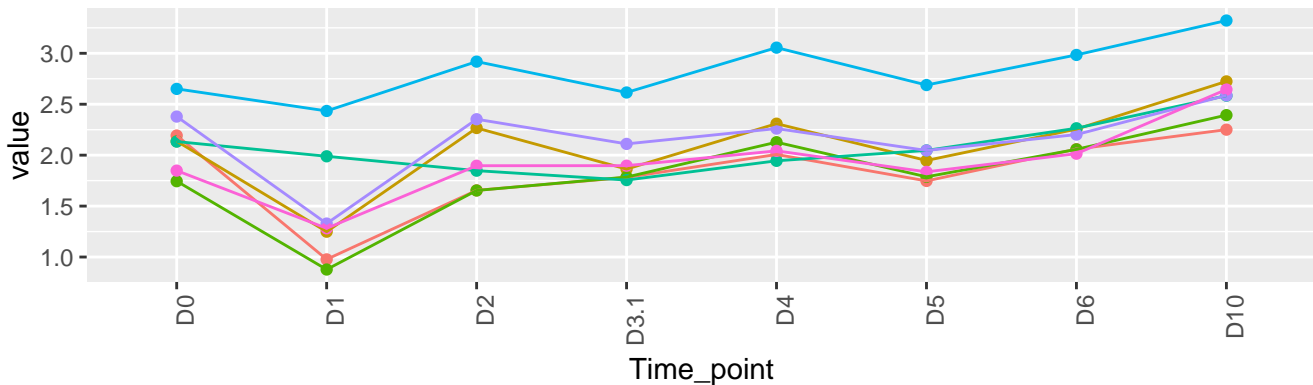
12 genes – WT-cluster-108-original



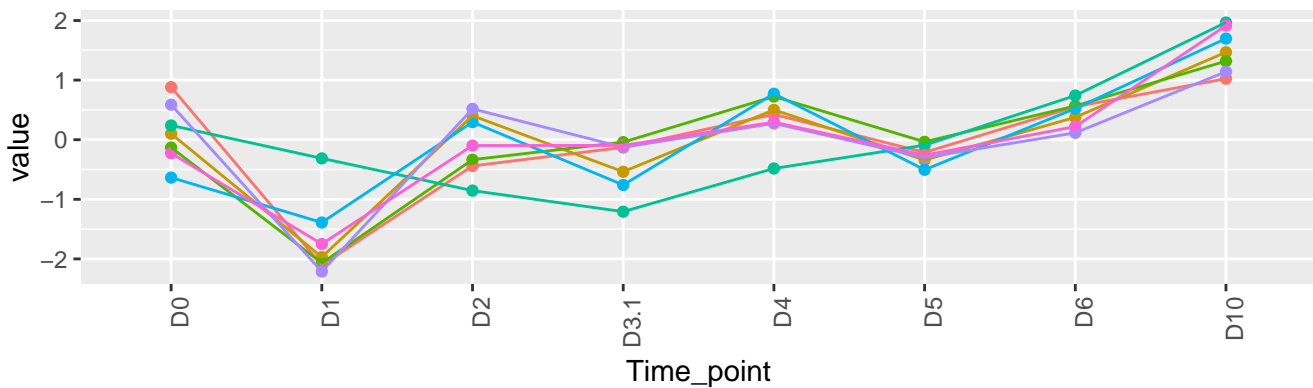
12 genes – WT-cluster-108-standardized



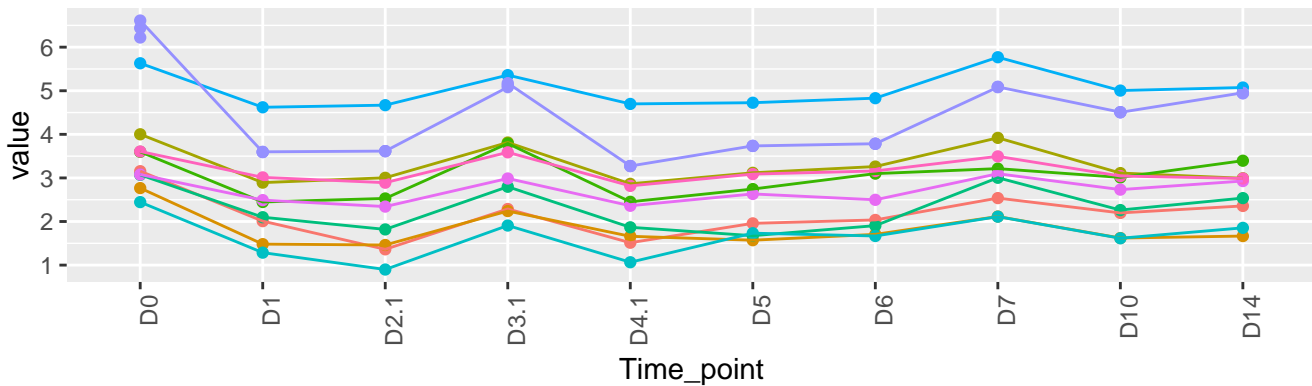
7 genes – KO-cluster-108-original



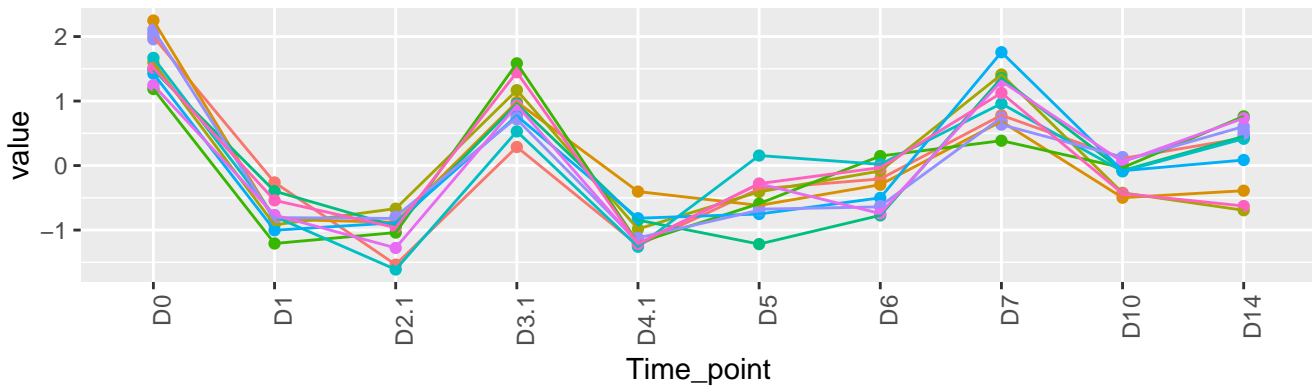
7 genes – KO-cluster-108-standardized



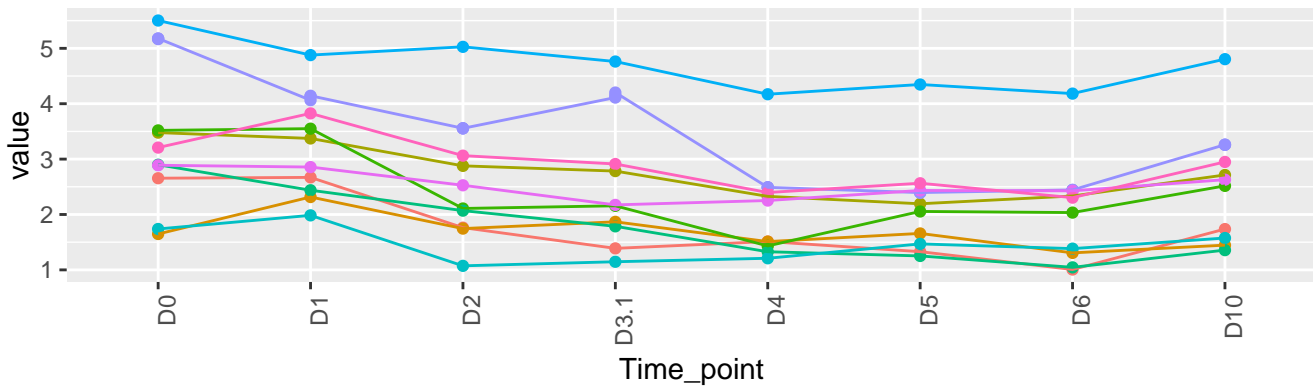
12 genes – WT-cluster-107-original



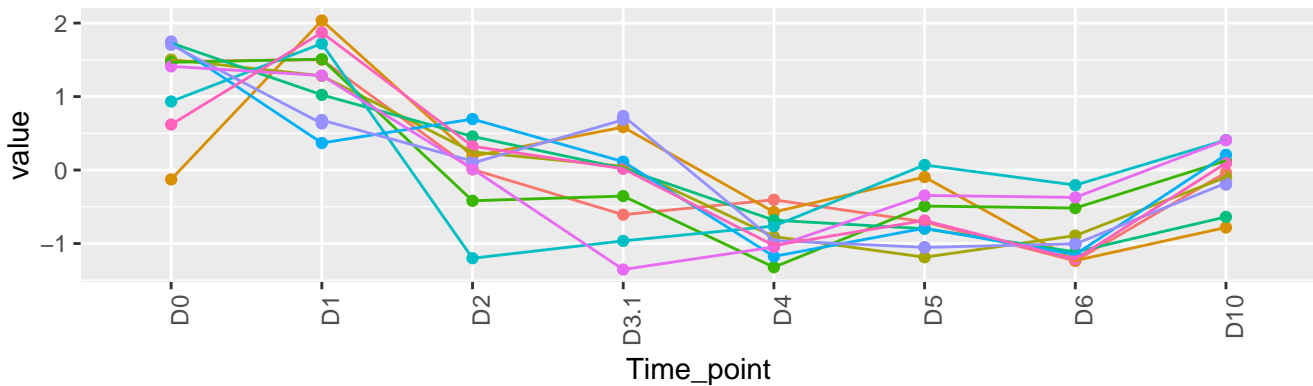
12 genes – WT-cluster-107-standardized



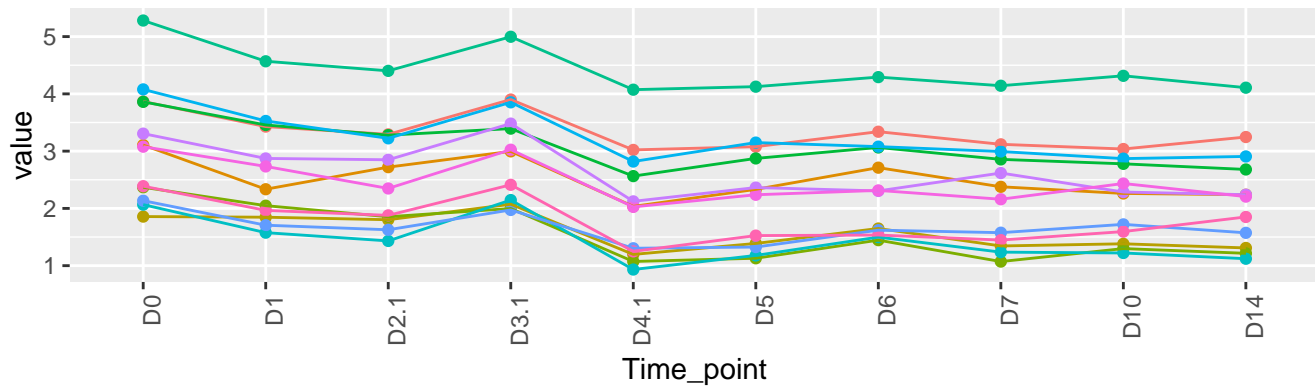
12 genes – KO-cluster-107-original



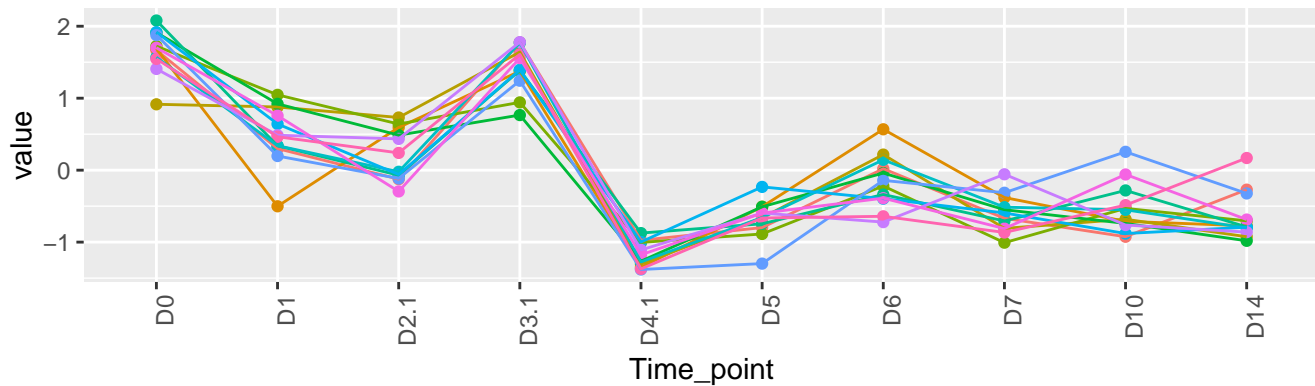
12 genes – KO-cluster-107-standardized



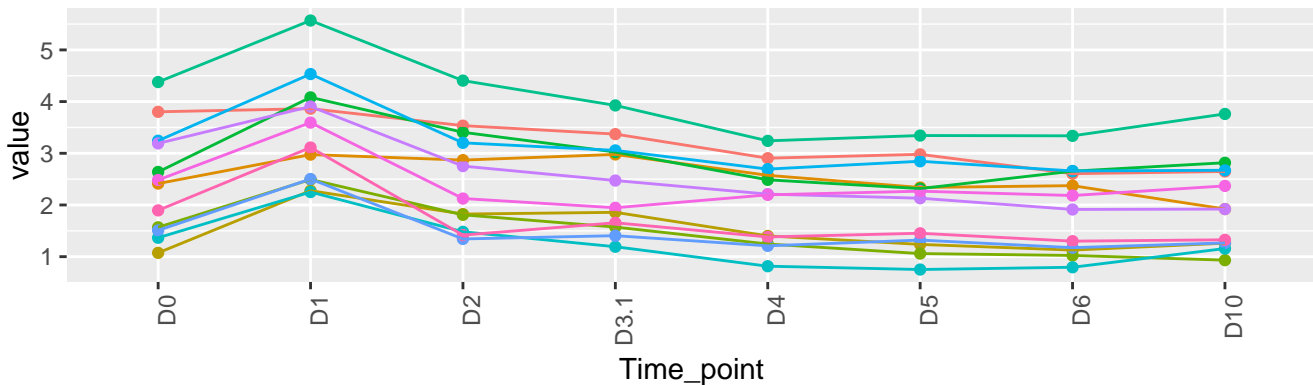
12 genes – WT-cluster-106-original



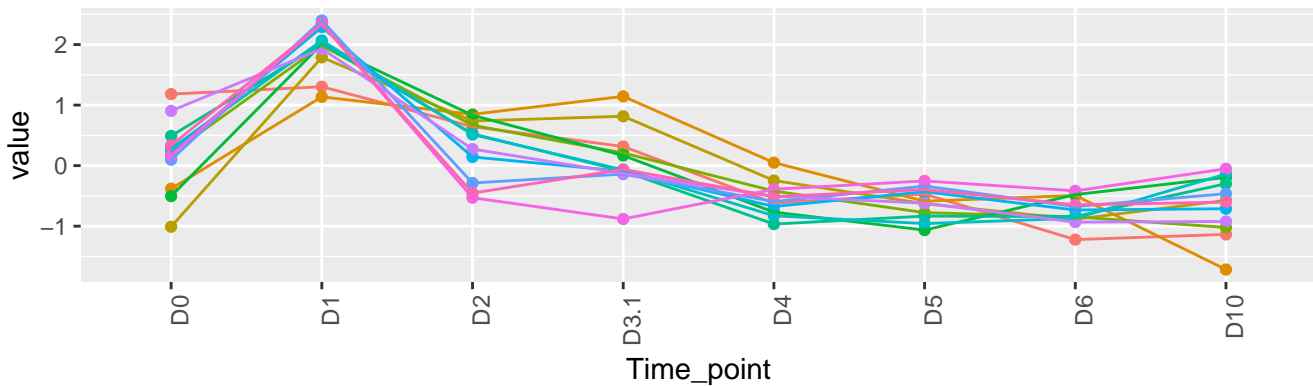
12 genes – WT-cluster-106-standardized



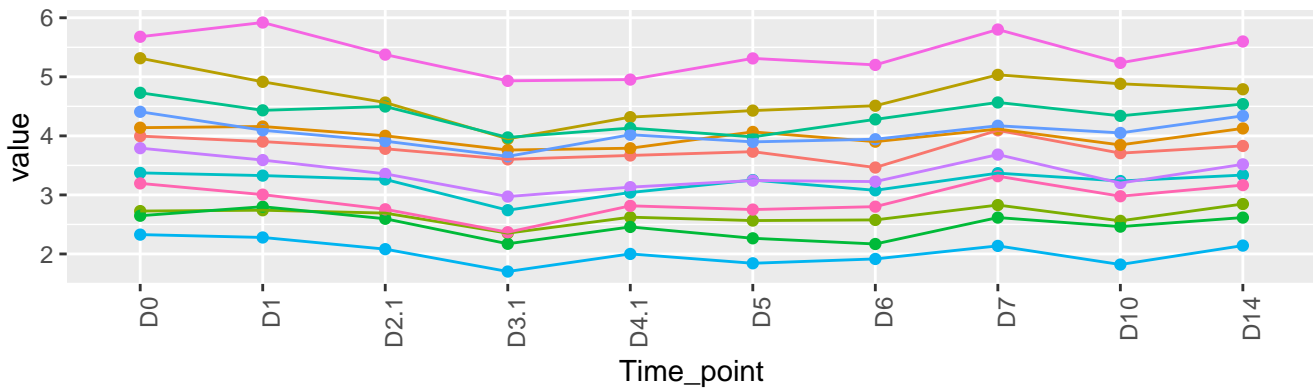
12 genes – KO-cluster-106-original



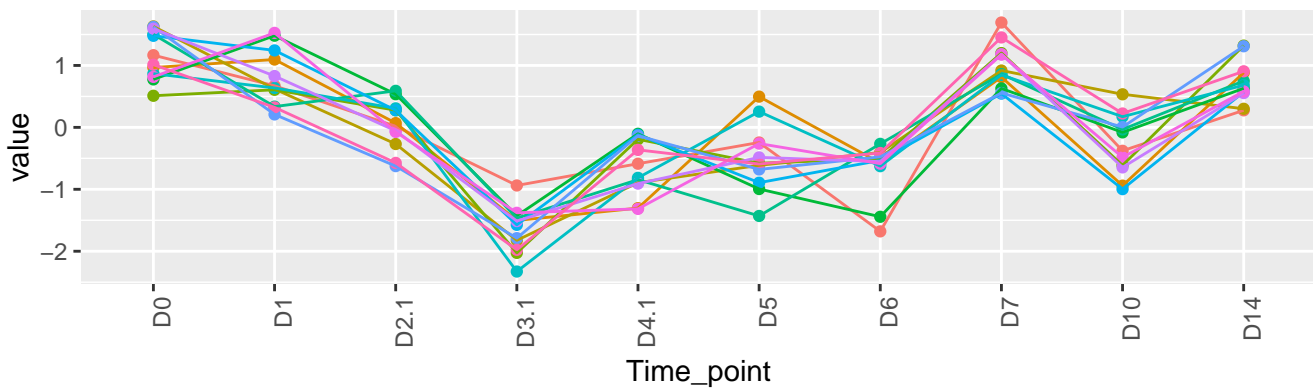
12 genes – KO-cluster-106-standardized



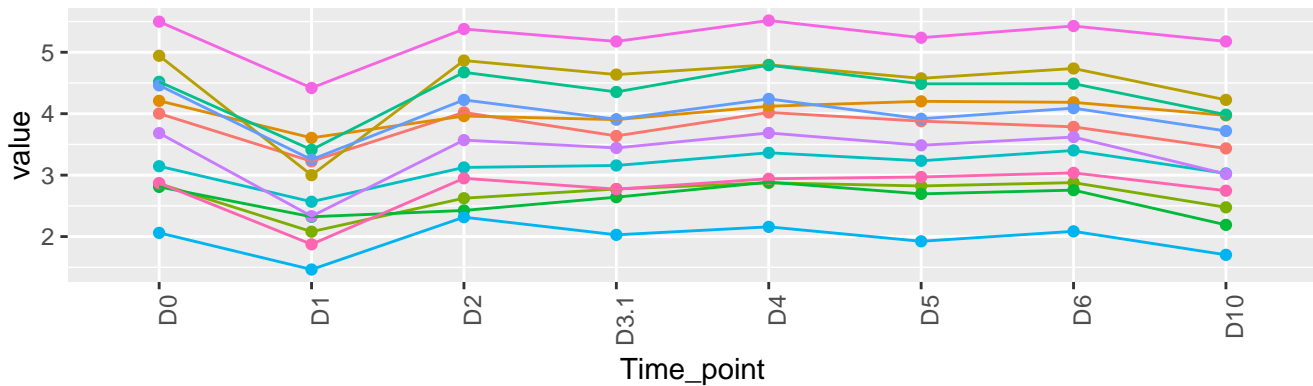
12 genes – WT-cluster-105-original



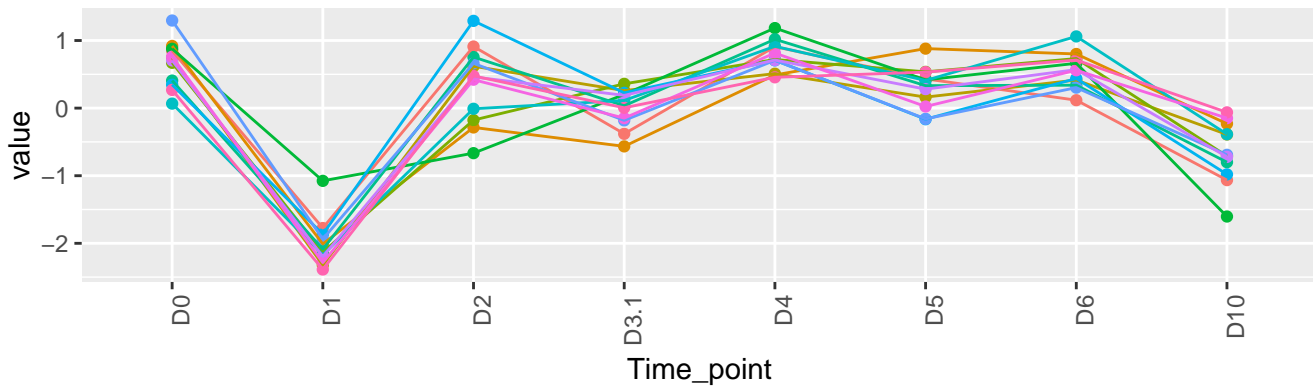
12 genes – WT-cluster-105-standardized



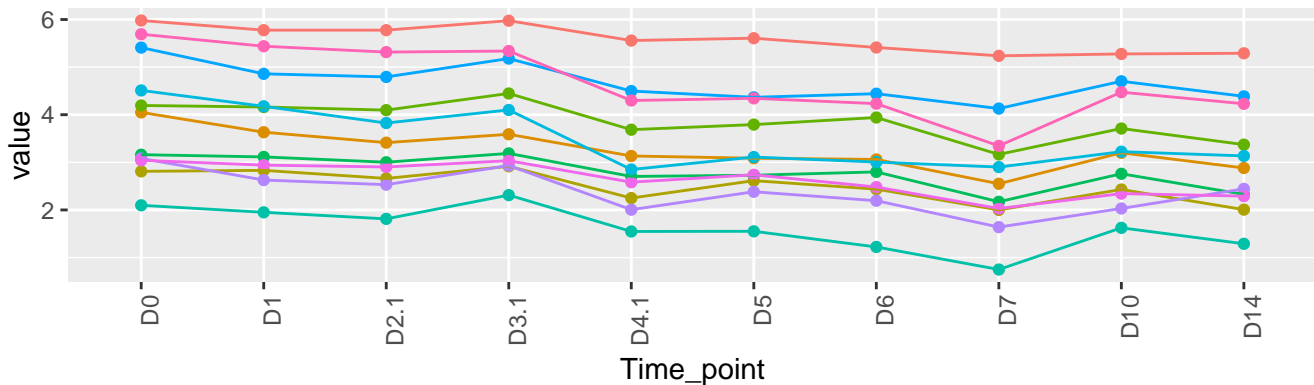
12 genes – KO-cluster-105-original



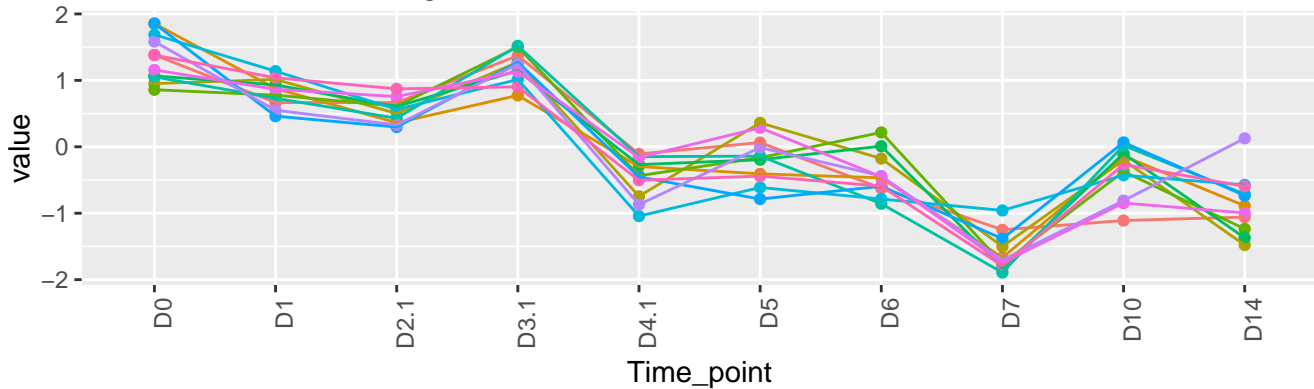
12 genes – KO-cluster-105-standardized



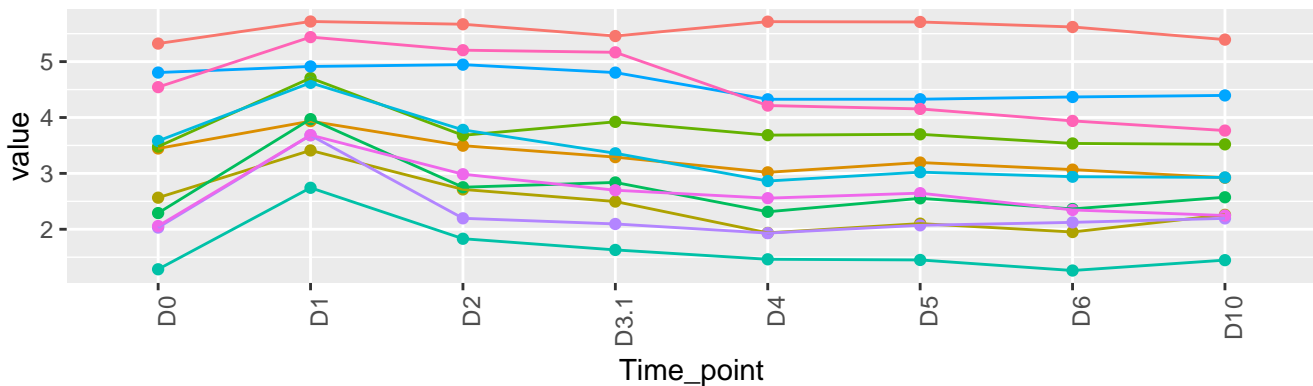
11 genes – WT-cluster-104-original



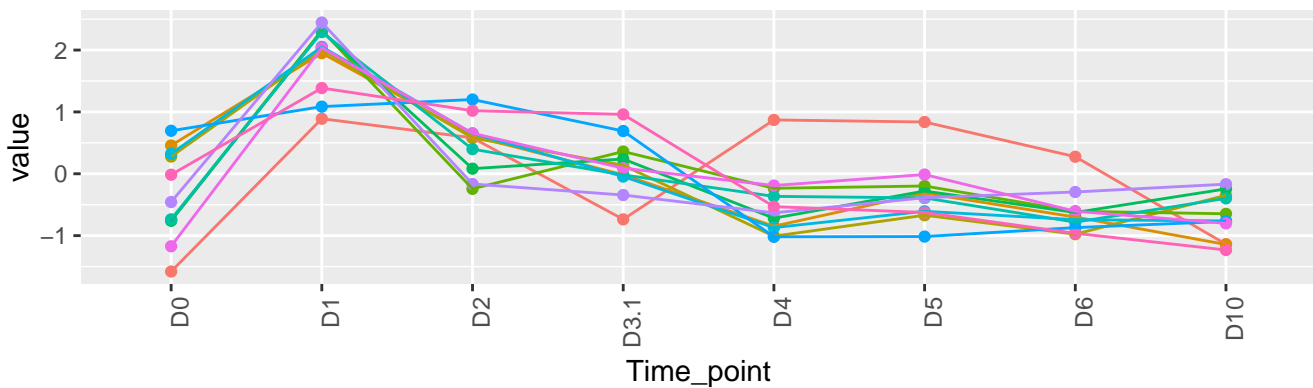
11 genes – WT-cluster-104-standardized



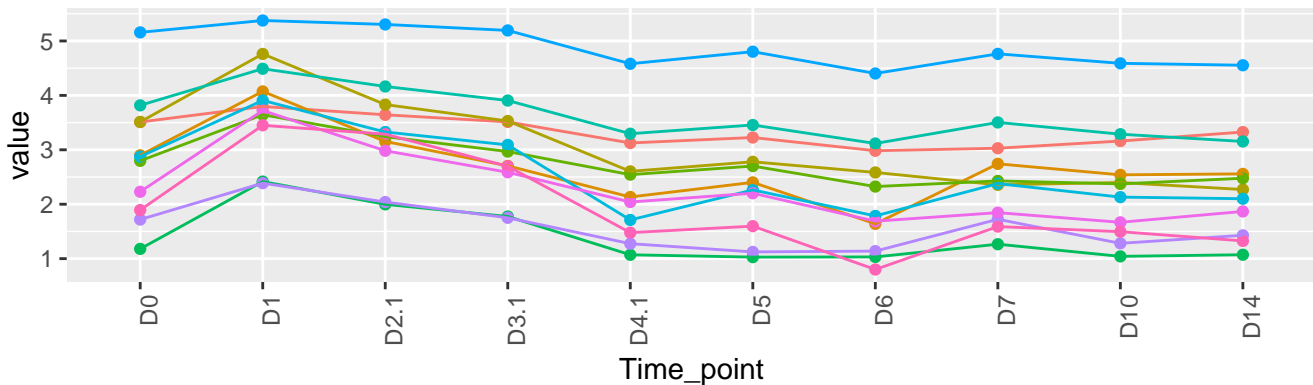
11 genes – KO-cluster-104-original



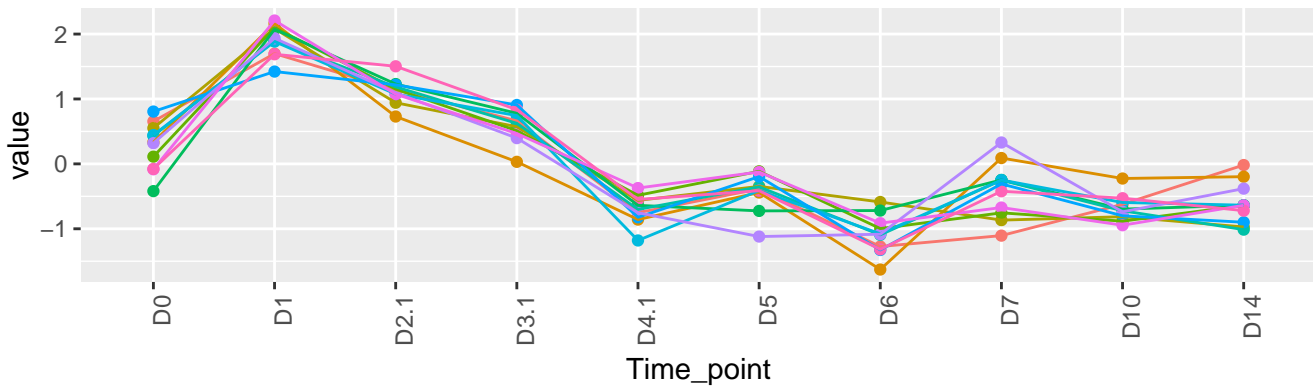
11 genes – KO-cluster-104-standardized



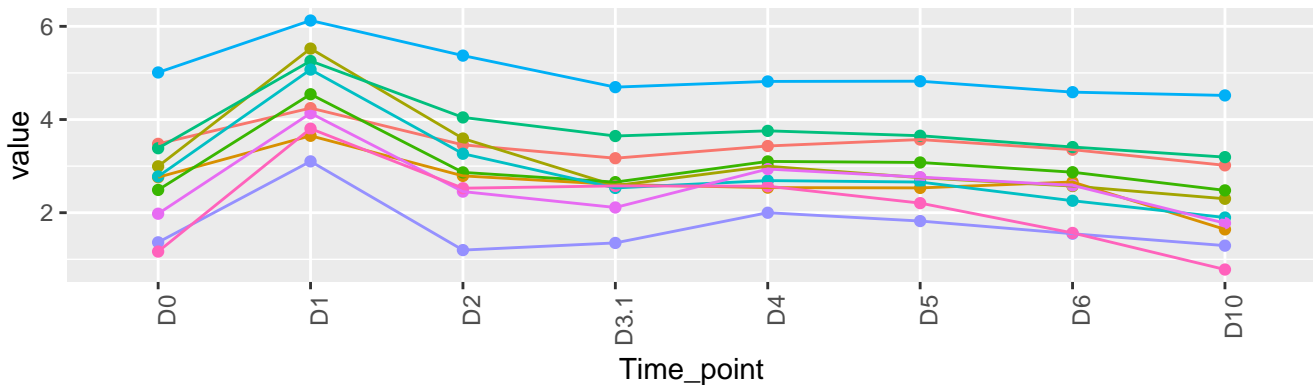
11 genes – WT-cluster-103-original



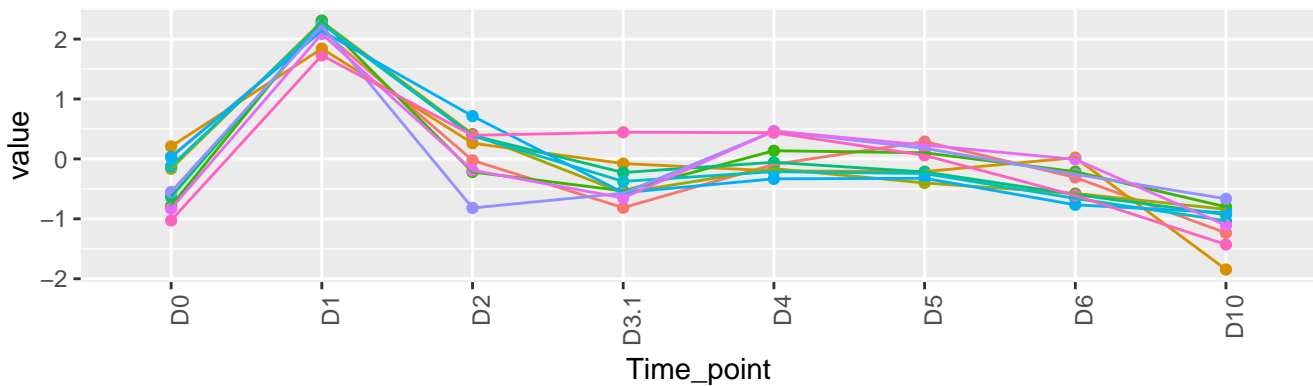
11 genes – WT-cluster-103-standardized



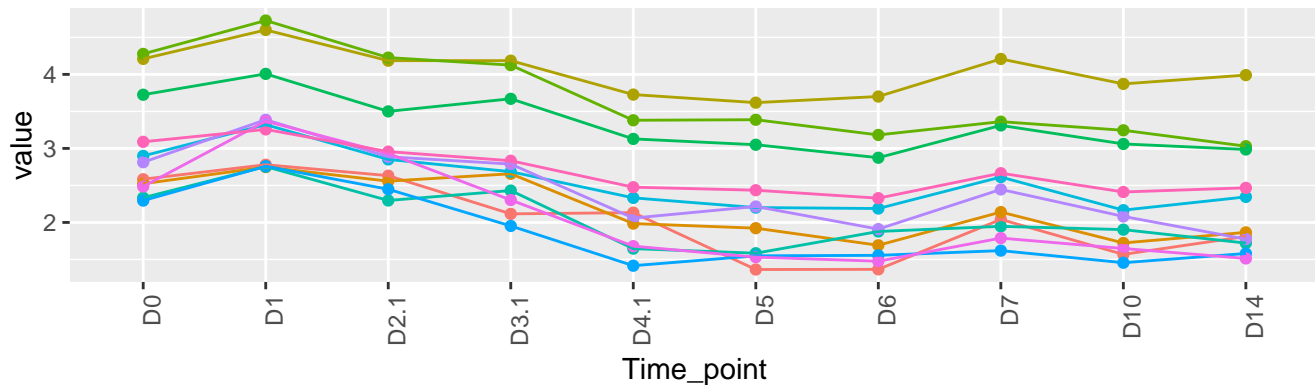
10 genes – KO-cluster-103-original



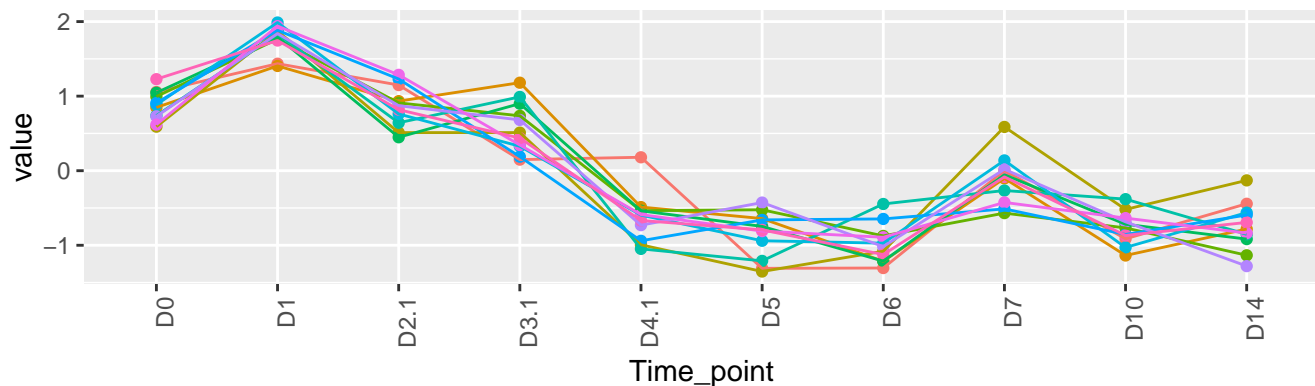
10 genes – KO-cluster-103-standardized



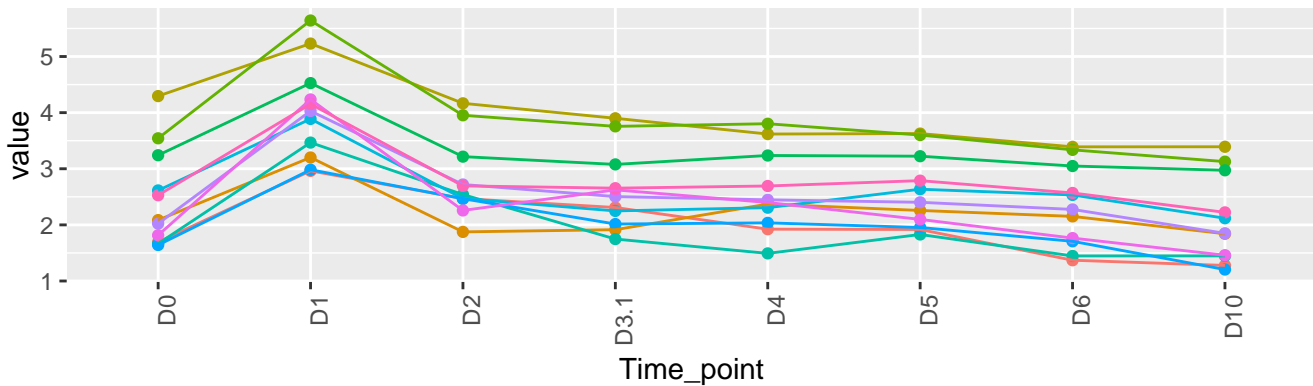
11 genes – WT-cluster-102-original



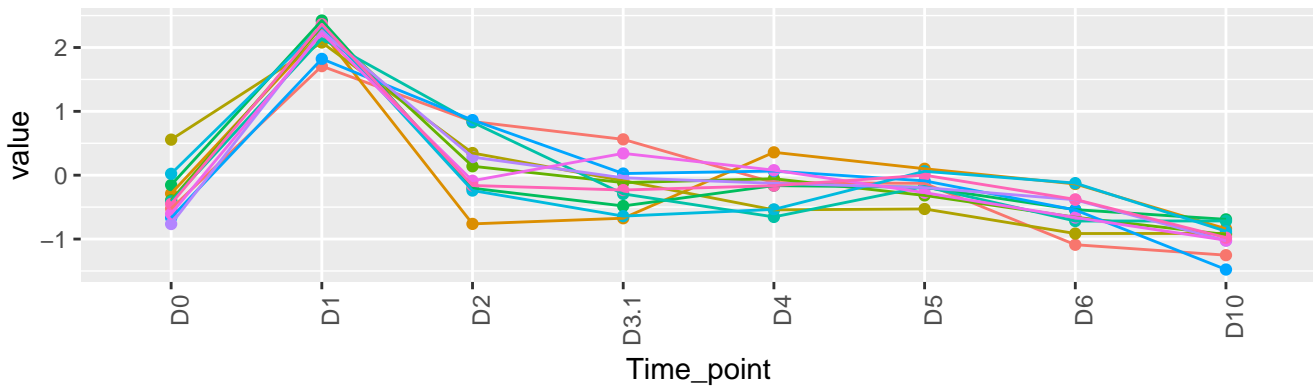
11 genes – WT-cluster-102-standardized



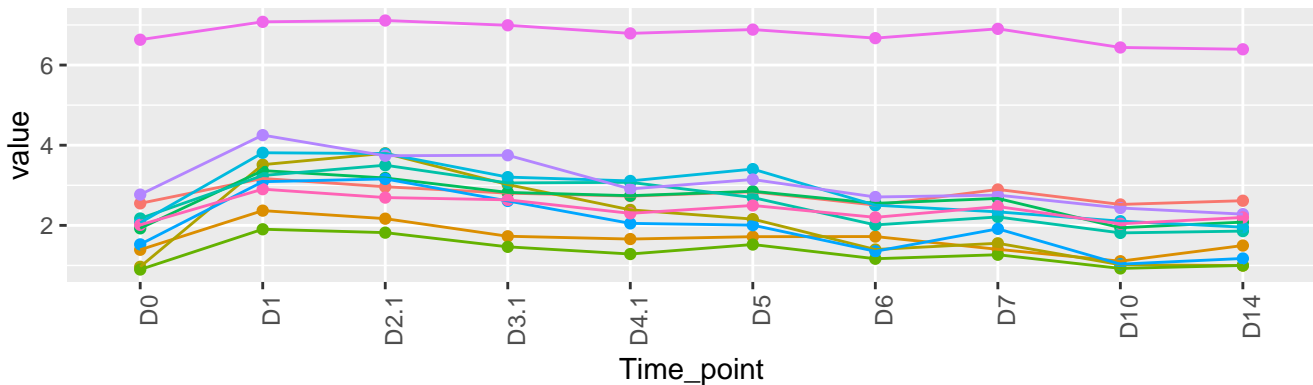
11 genes – KO-cluster-102-original



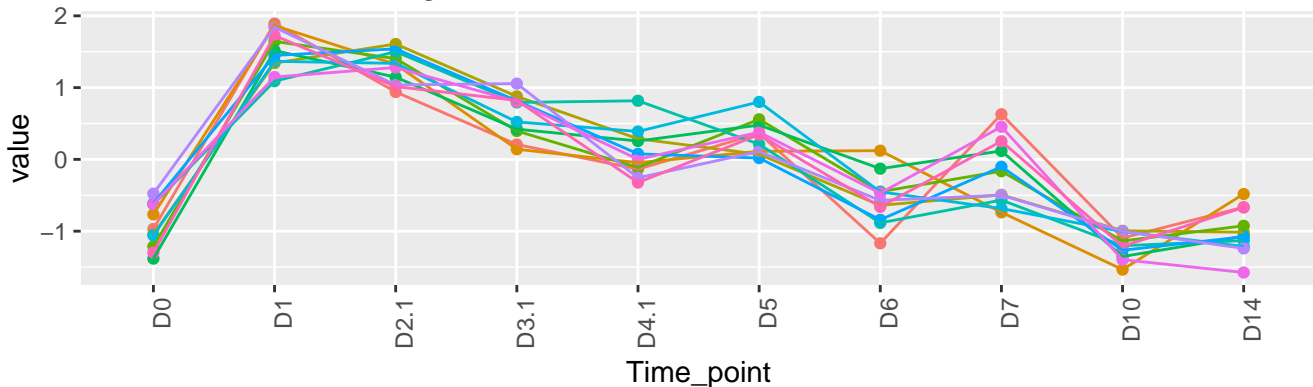
11 genes – KO-cluster-102-standardized



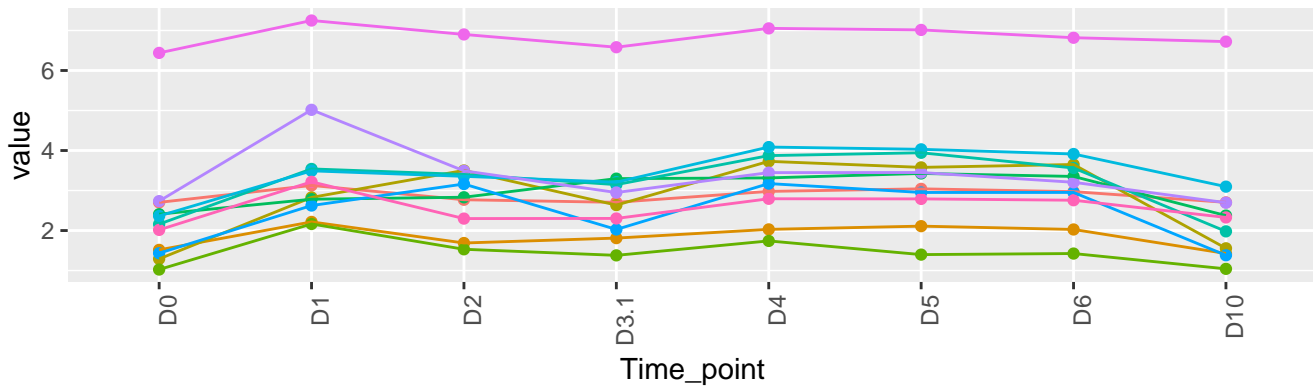
11 genes – WT-cluster-101-original



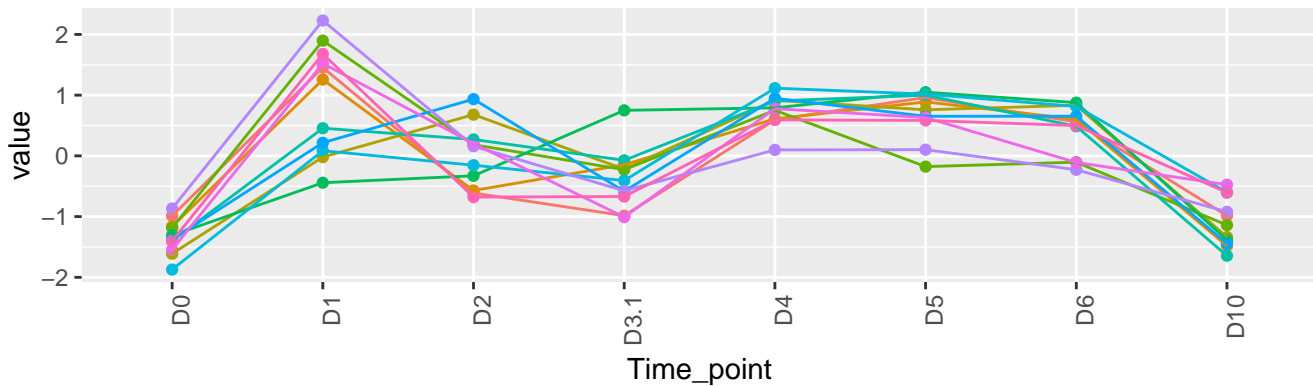
11 genes – WT-cluster-101-standardized



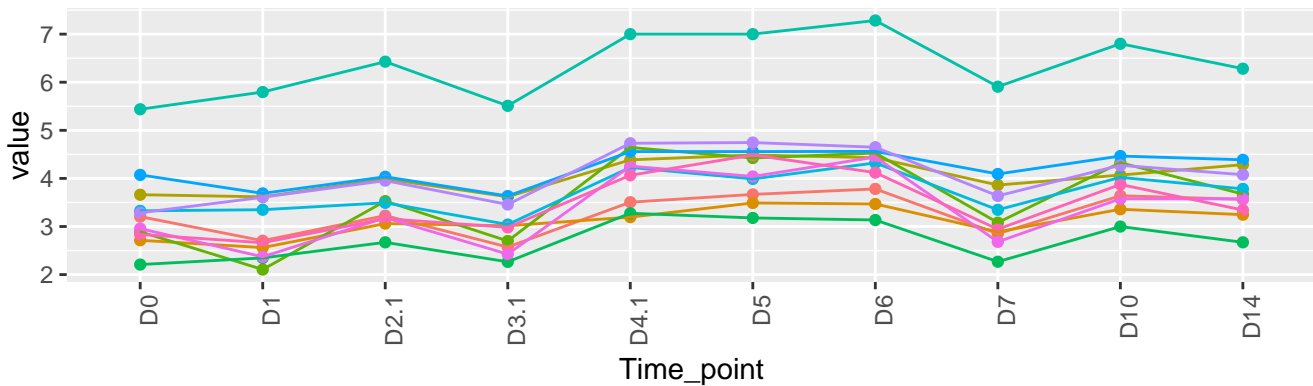
11 genes – KO-cluster-101-original



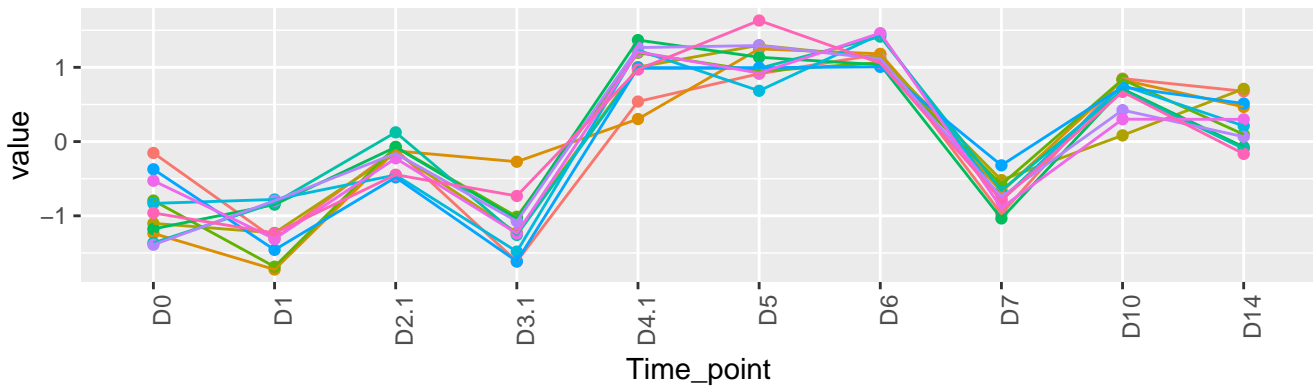
11 genes – KO-cluster-101-standardized



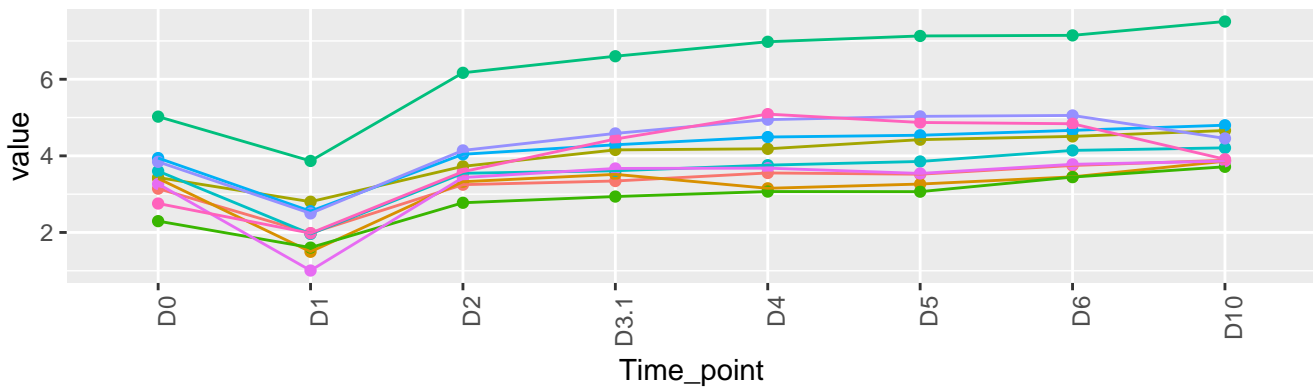
11 genes – WT-cluster-100-original



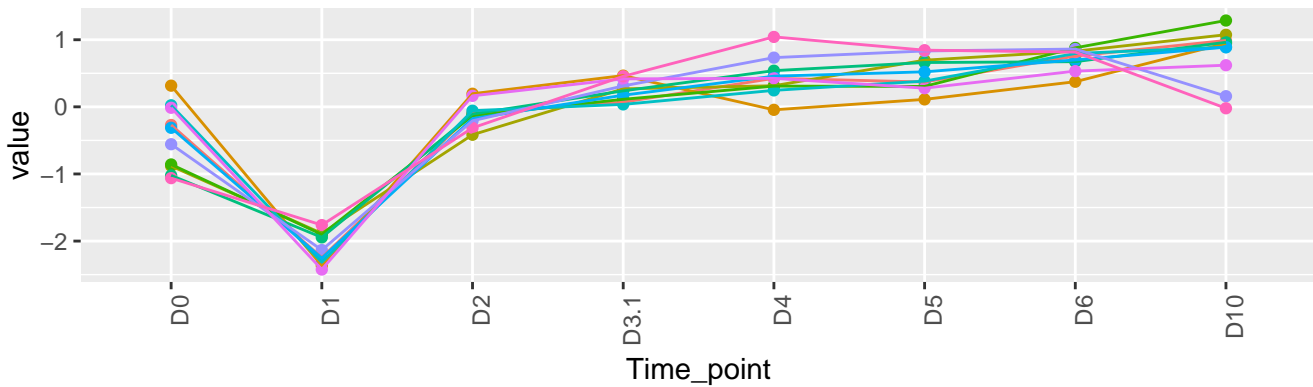
11 genes – WT-cluster-100-standardized



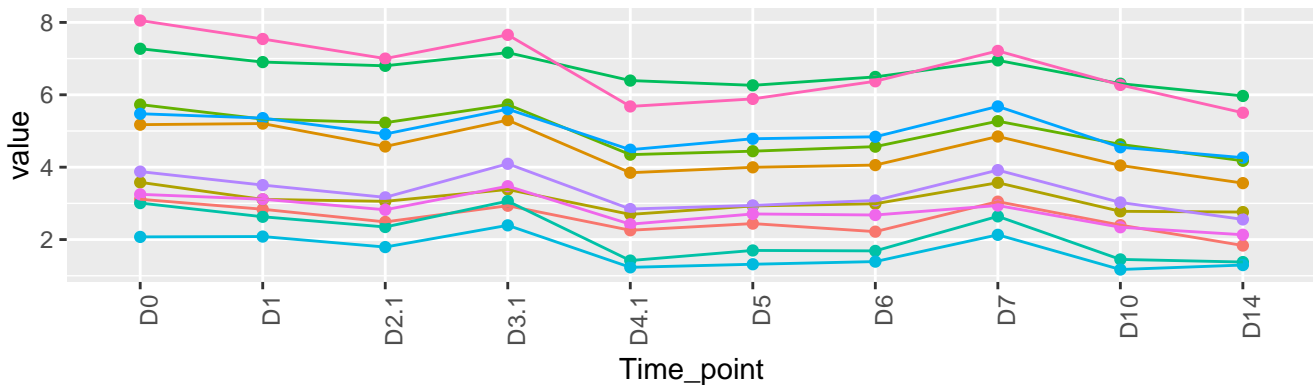
10 genes – KO-cluster-100-original



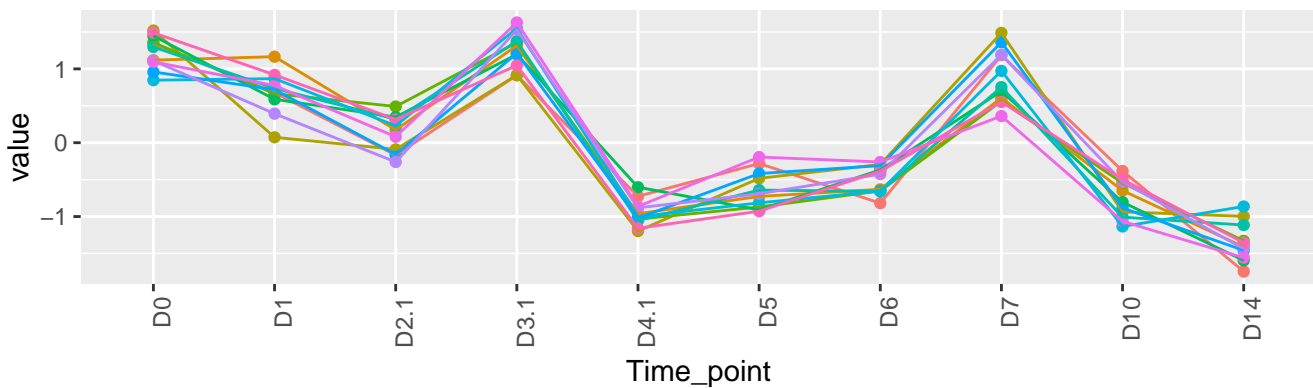
10 genes – KO-cluster-100-standardized



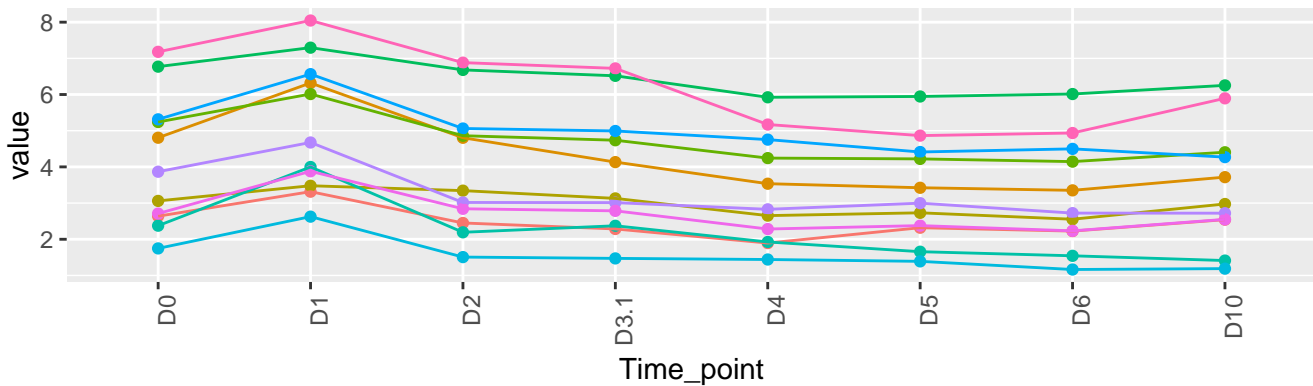
11 genes – WT-cluster-99-original



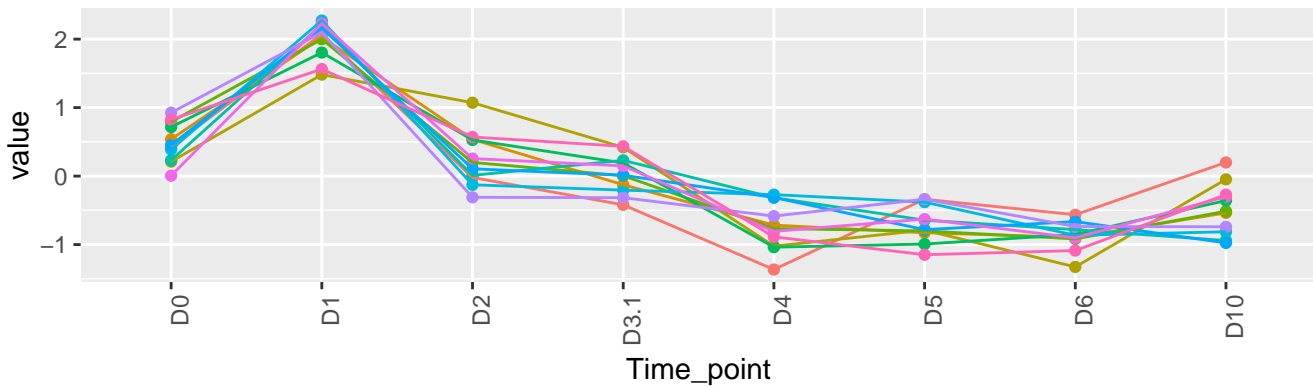
11 genes – WT-cluster-99-standardized



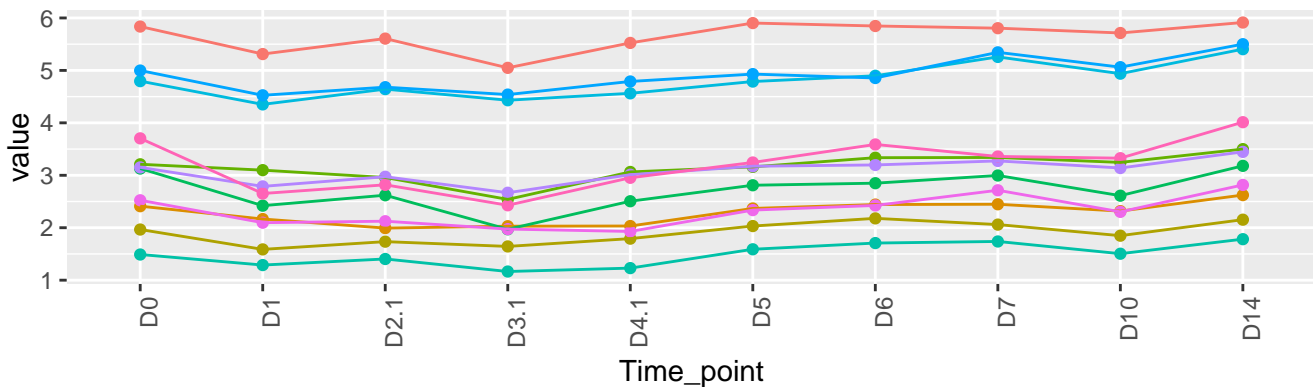
11 genes – KO-cluster-99-original



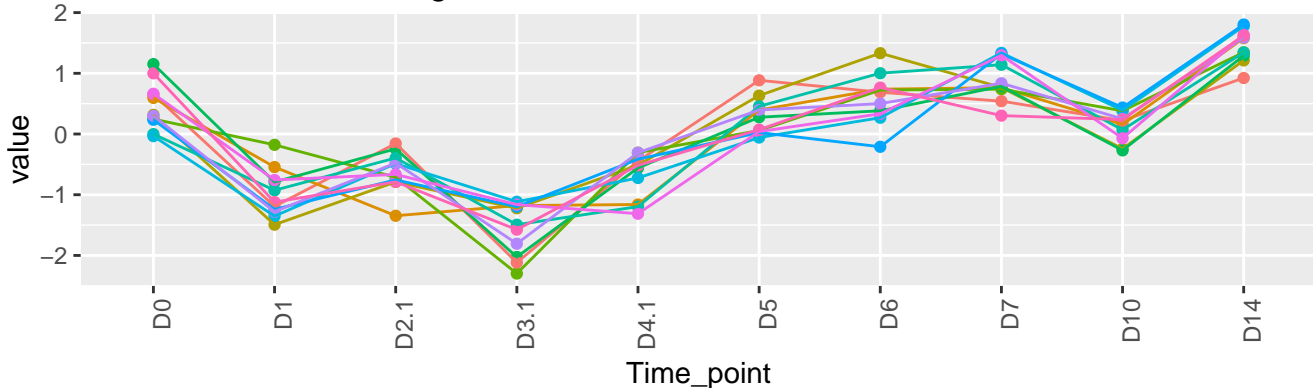
11 genes – KO-cluster-99-standardized



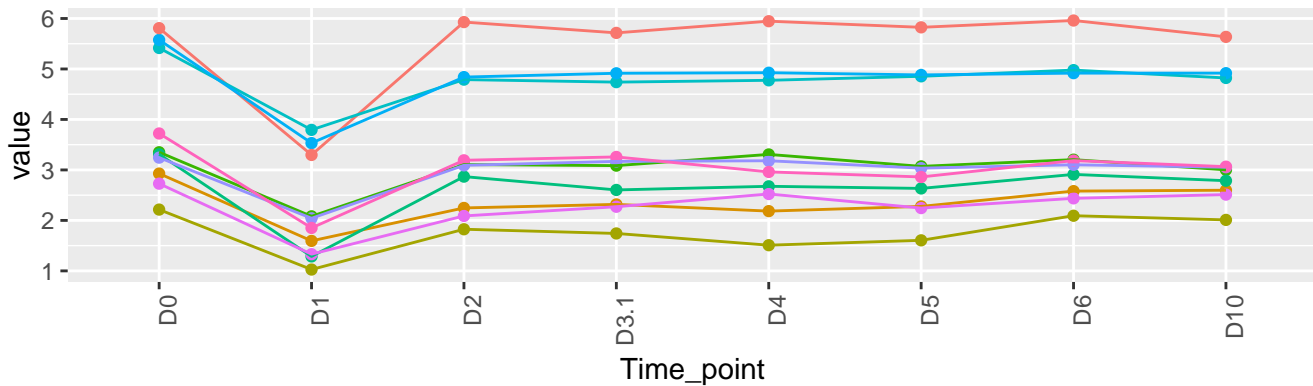
11 genes – WT-cluster-98-original



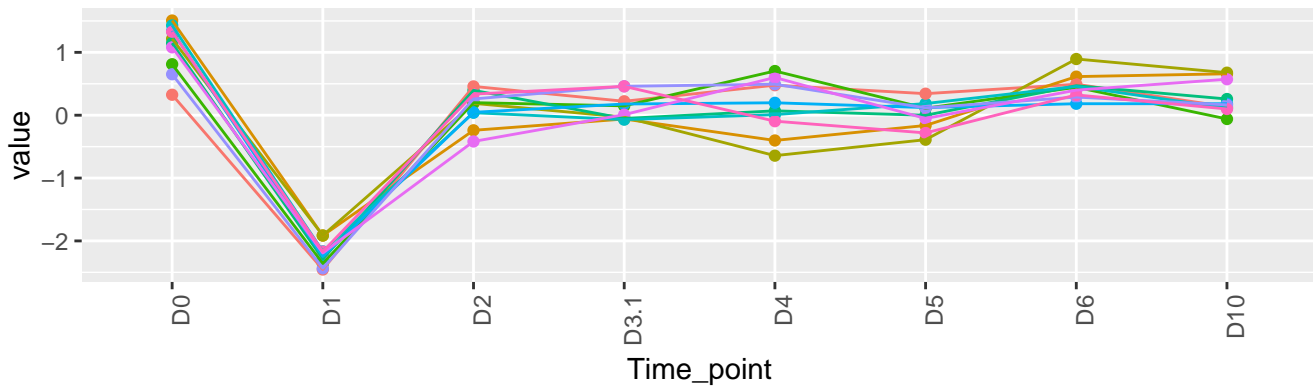
11 genes – WT-cluster-98-standardized



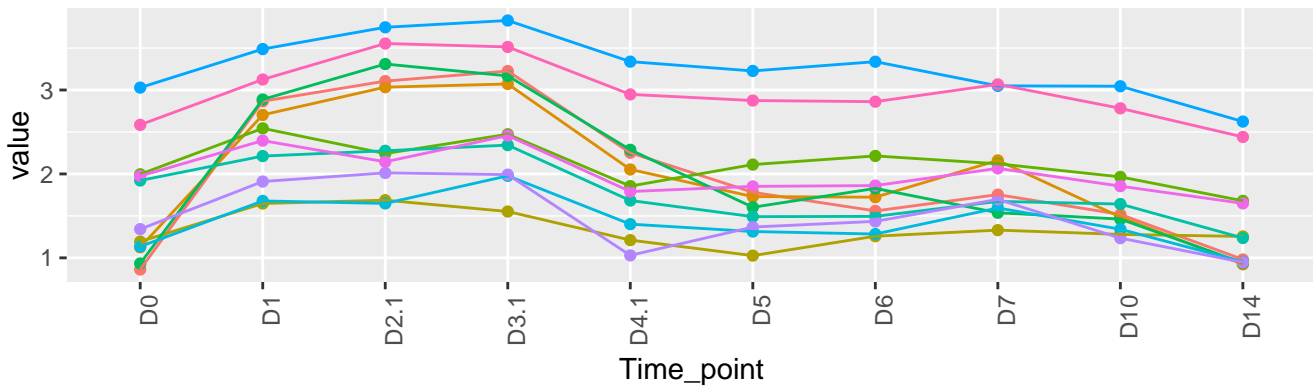
10 genes – KO-cluster-98-original



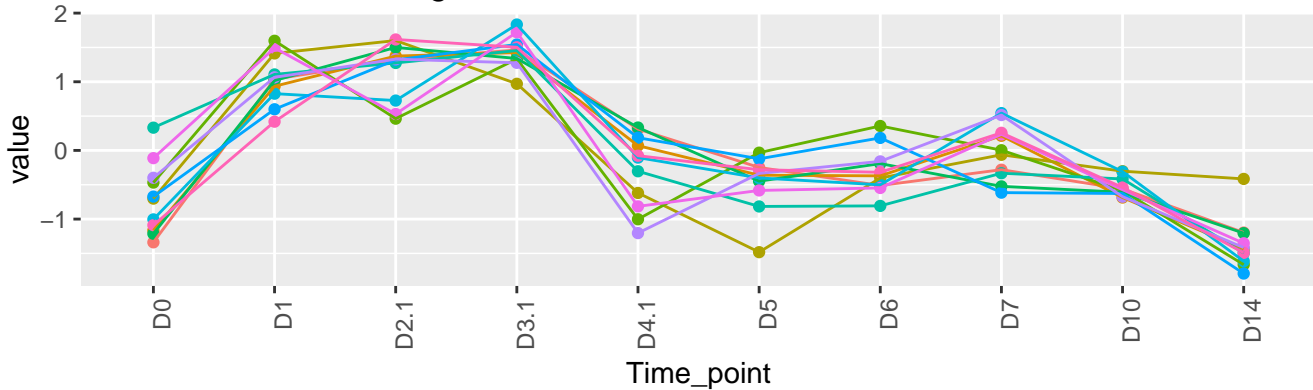
10 genes – KO-cluster-98-standardized



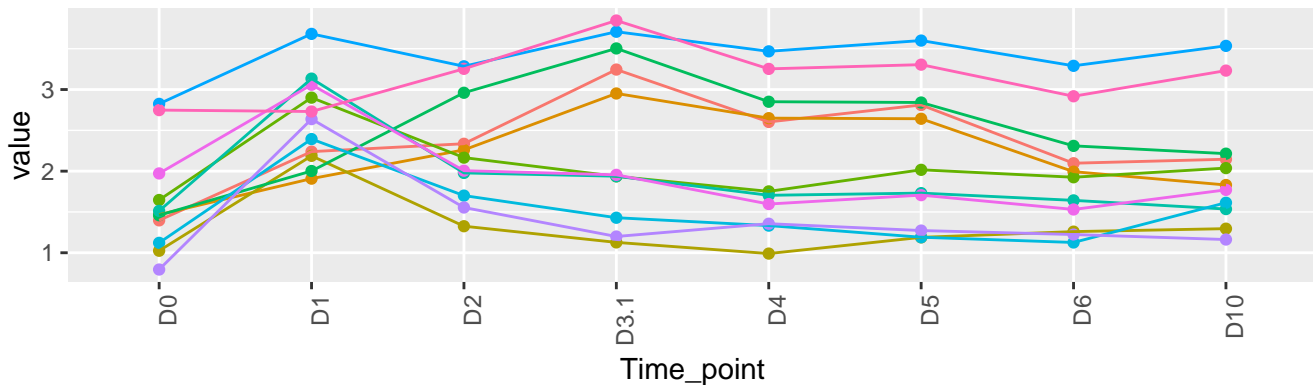
11 genes – WT-cluster-97-original



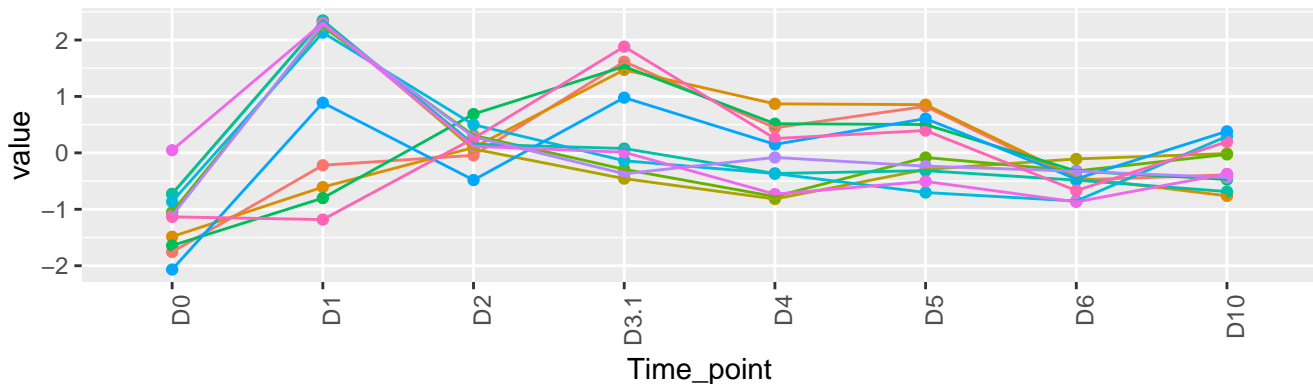
11 genes – WT-cluster-97-standardized



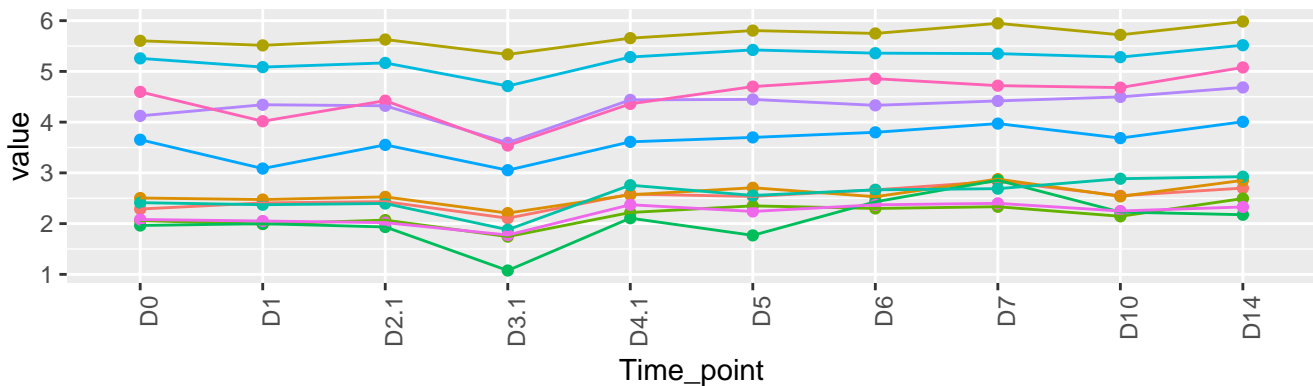
11 genes – KO-cluster-97–original



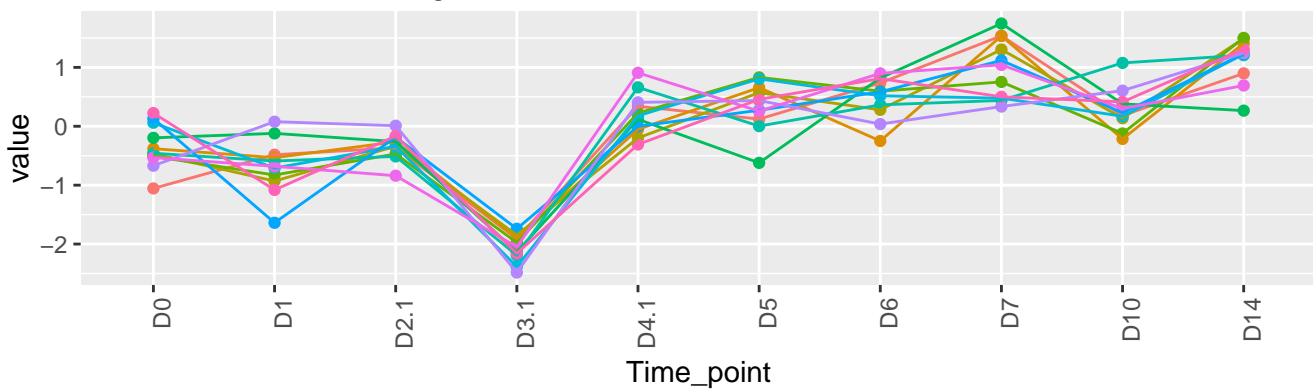
11 genes – KO-cluster-97–standardized



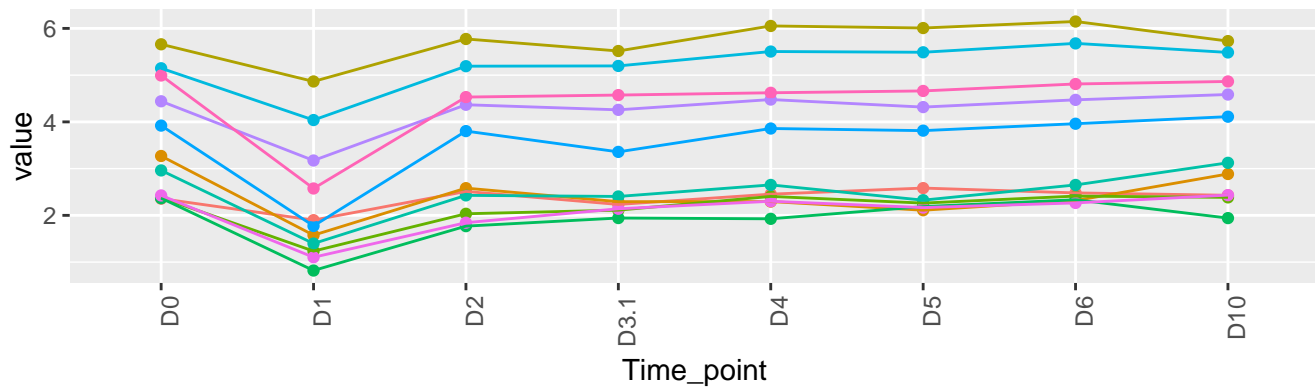
11 genes – WT-cluster-96-original



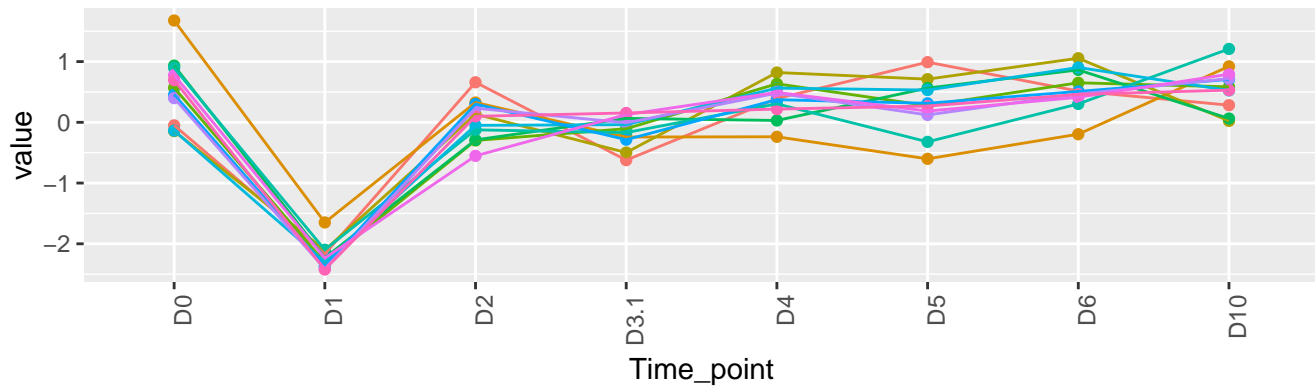
11 genes – WT-cluster-96-standardized



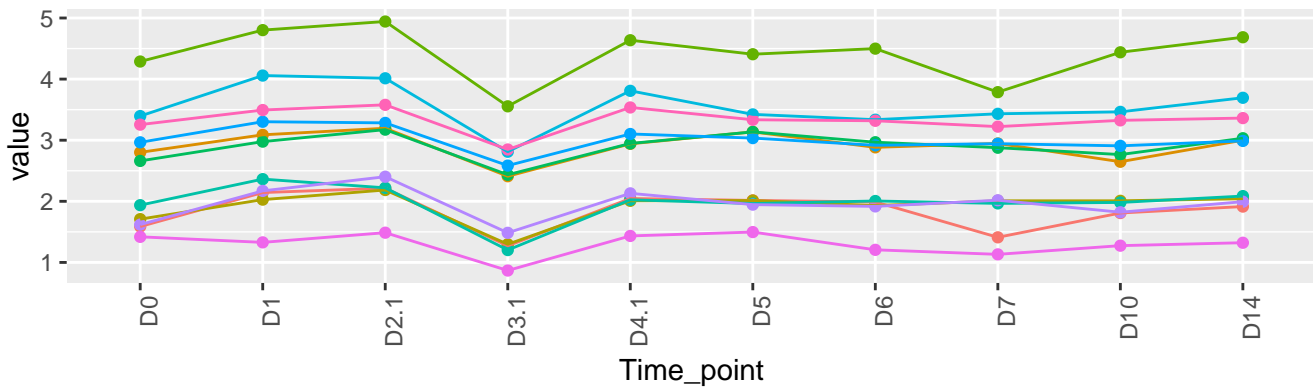
11 genes – KO-cluster-96-original



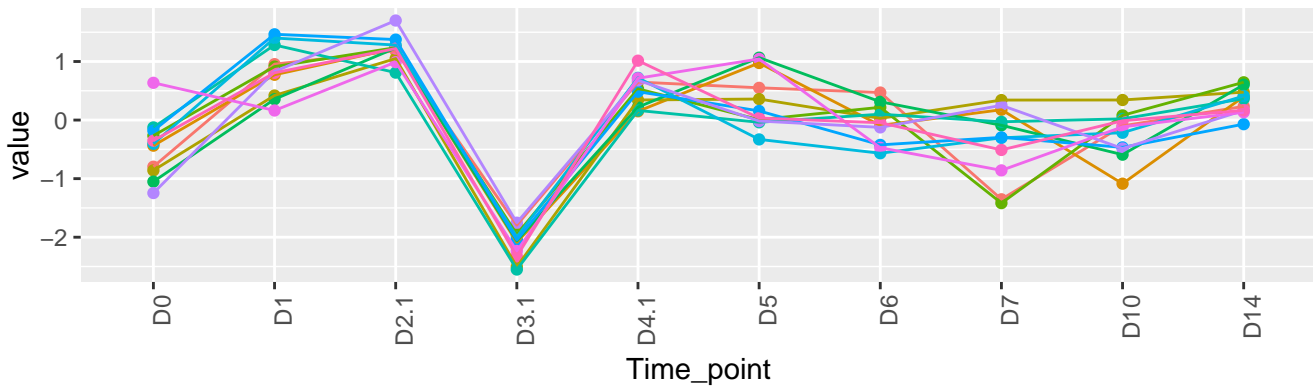
11 genes – KO-cluster-96-standardized



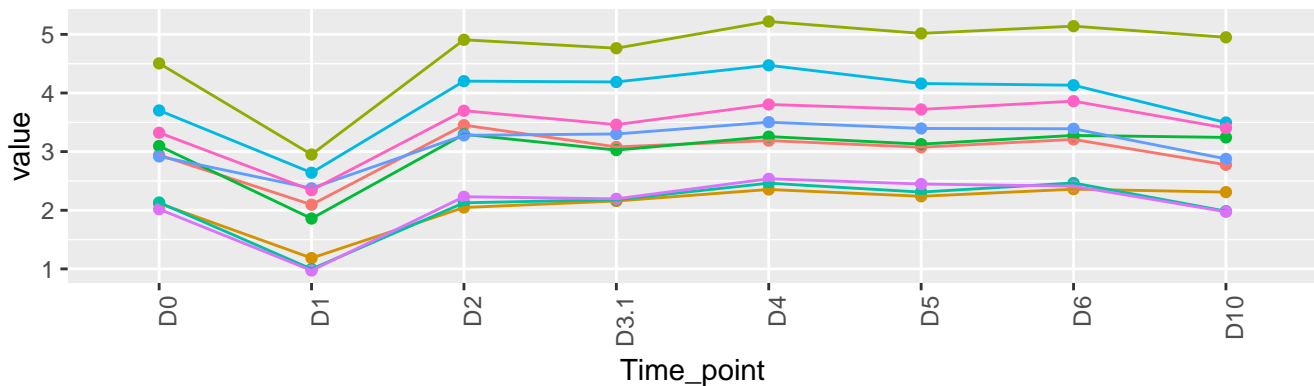
11 genes – WT-cluster-95-original



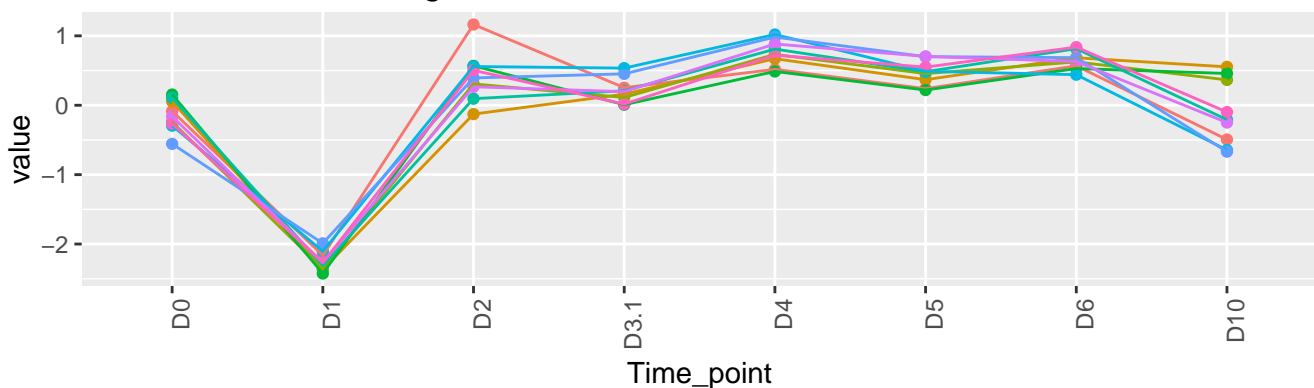
11 genes – WT-cluster-95-standardized



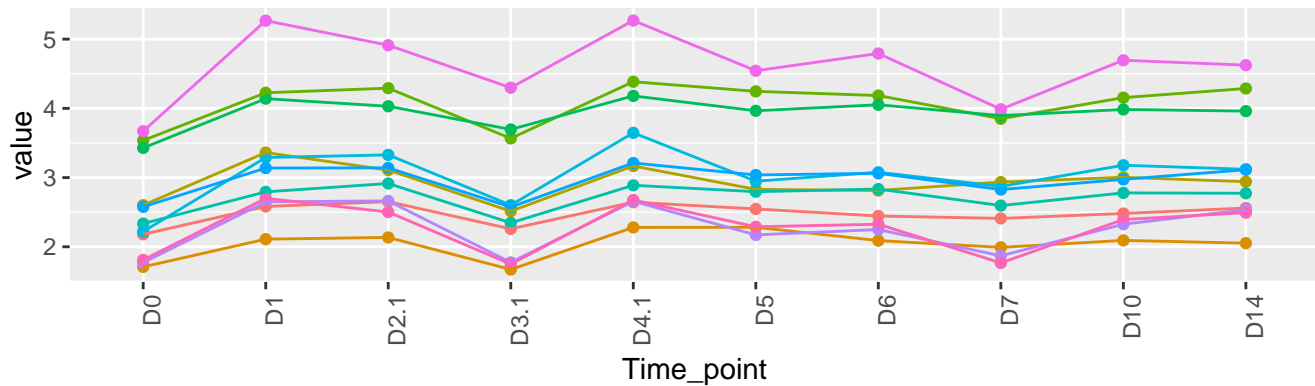
9 genes – KO-cluster-95-original



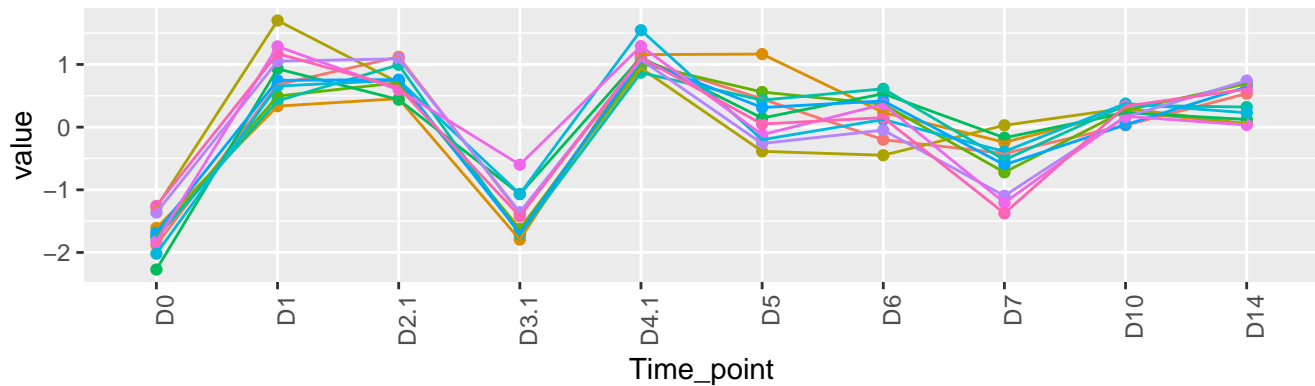
9 genes – KO-cluster-95-standardized



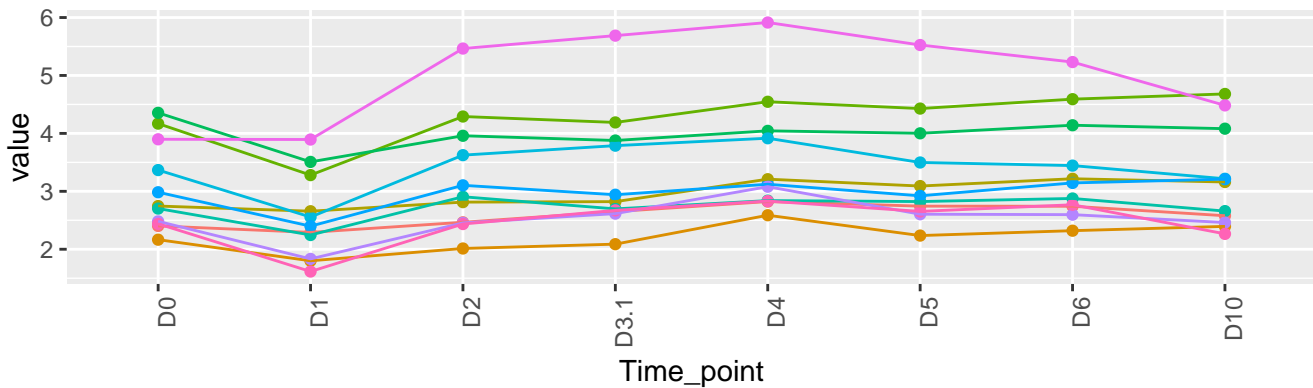
11 genes – WT-cluster-94-original



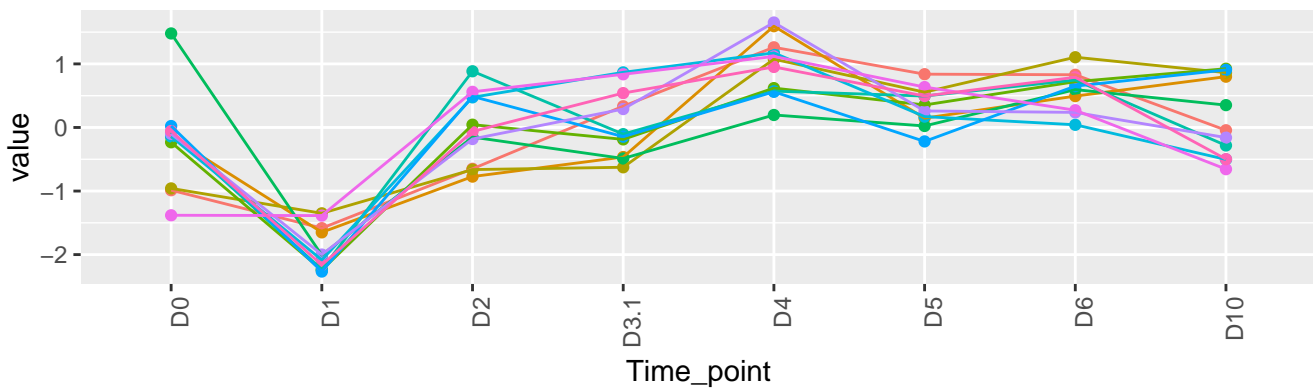
11 genes – WT-cluster-94-standardized



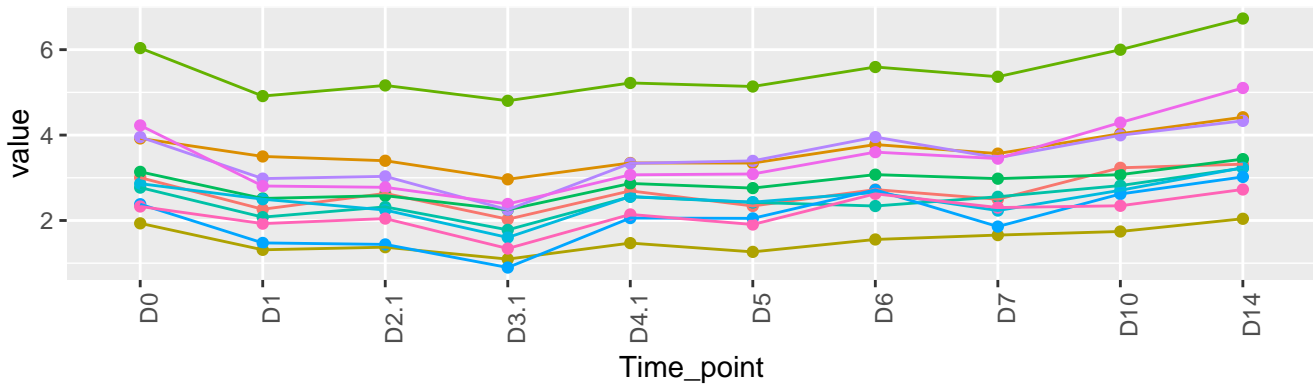
11 genes – KO-cluster-94–original



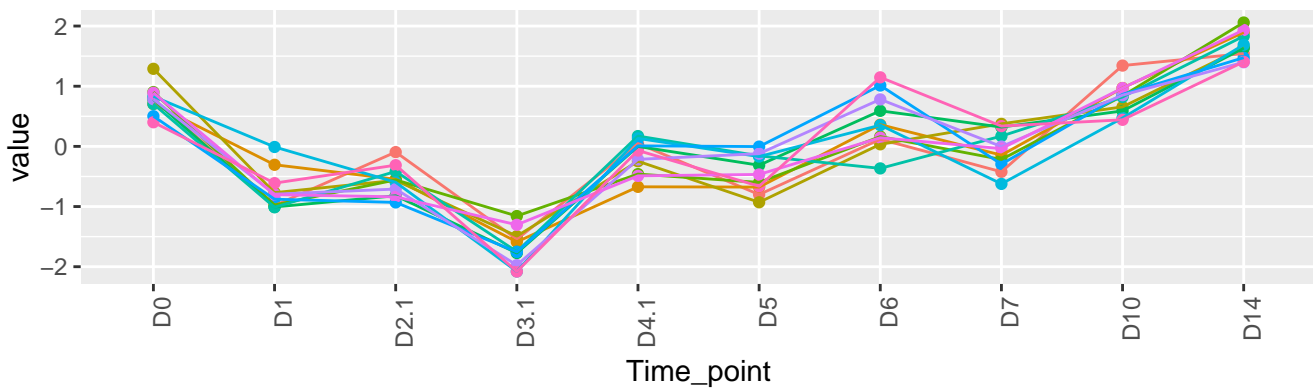
11 genes – KO-cluster-94–standardized



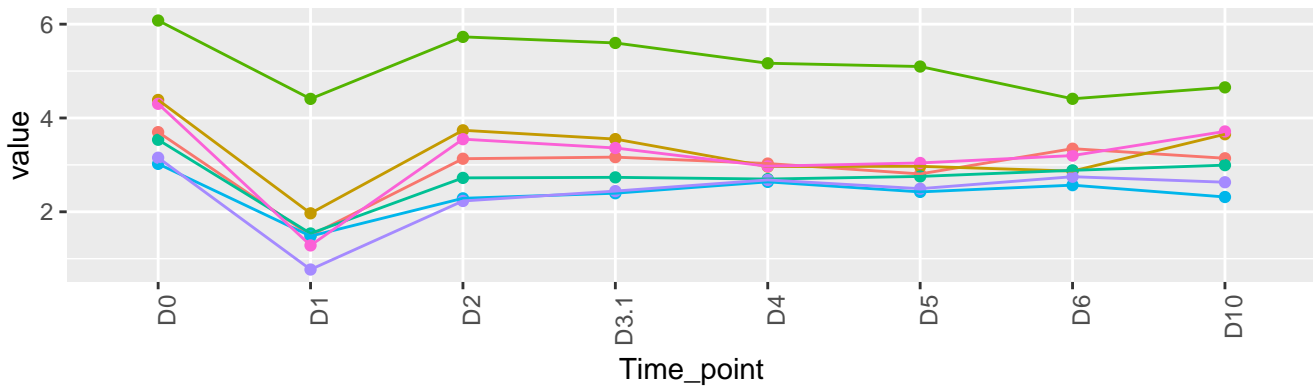
11 genes – WT-cluster-93-original



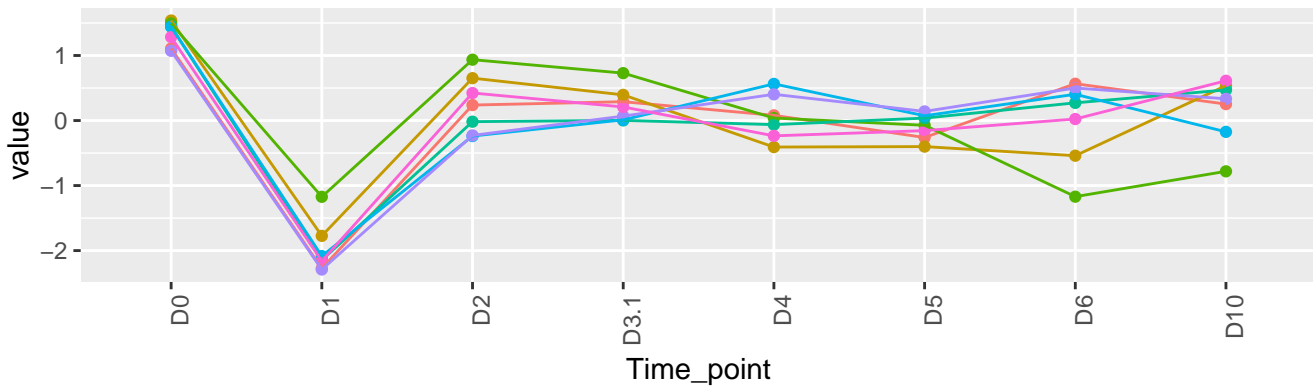
11 genes – WT-cluster-93-standardized



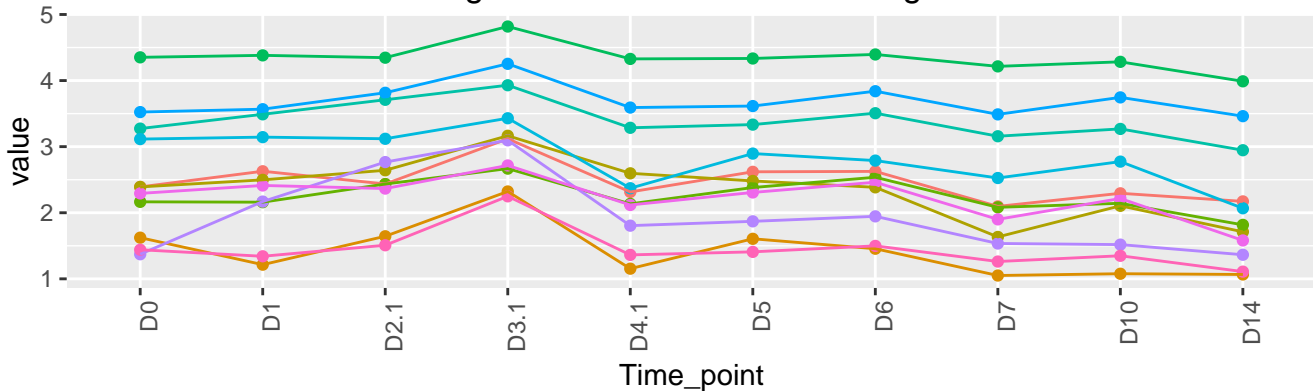
7 genes – KO-cluster-93-original



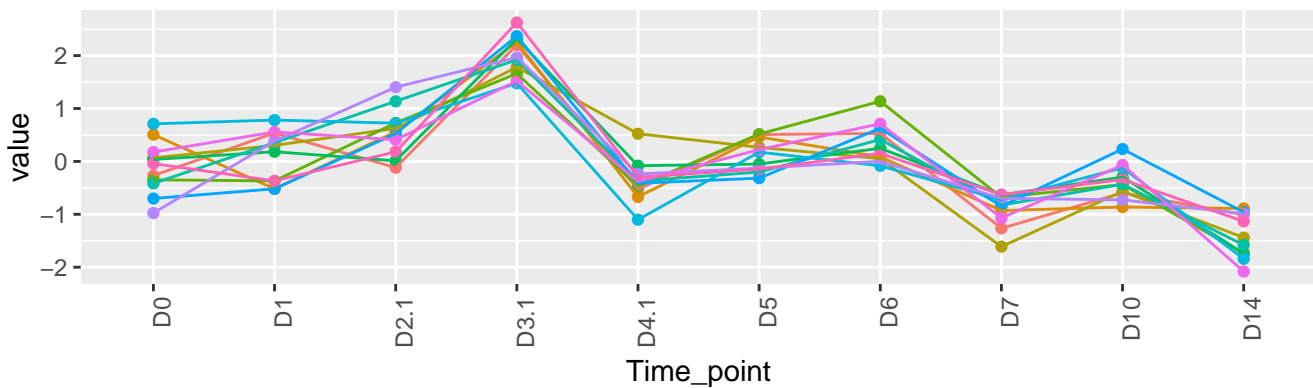
7 genes – KO-cluster-93-standardized



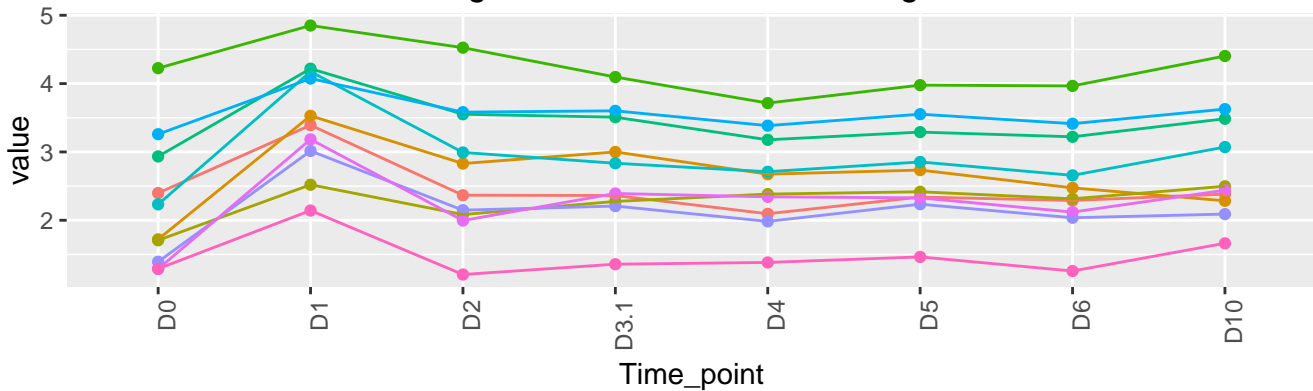
11 genes – WT-cluster-92-original



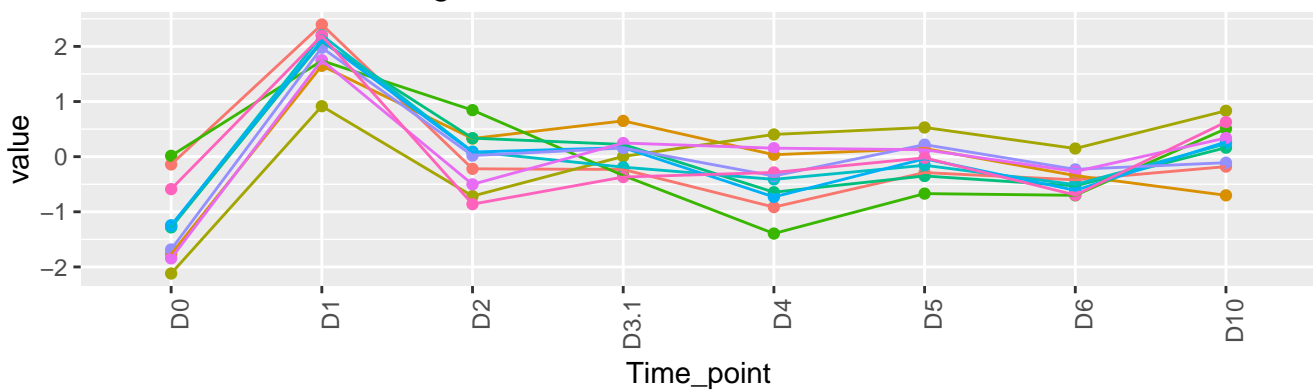
11 genes – WT-cluster-92-standardized



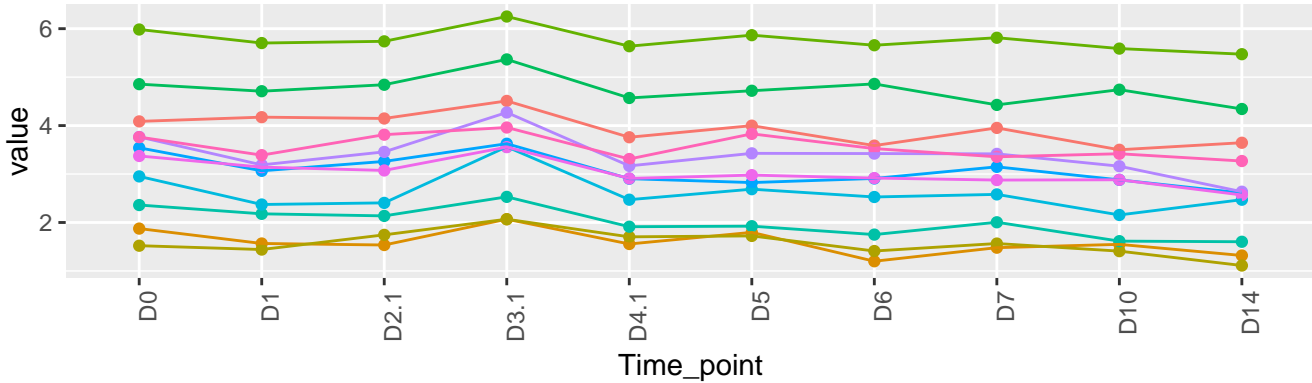
10 genes – KO-cluster-92-original



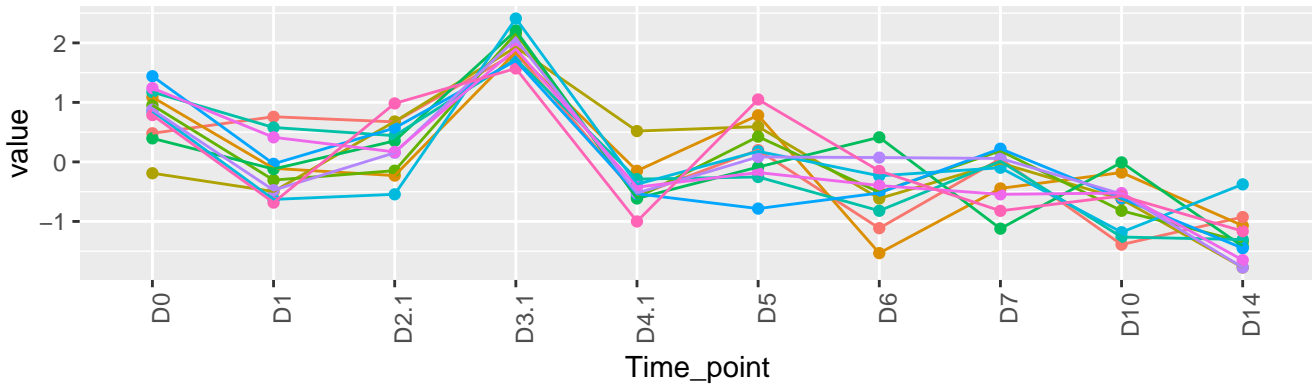
10 genes – KO-cluster-92-standardized



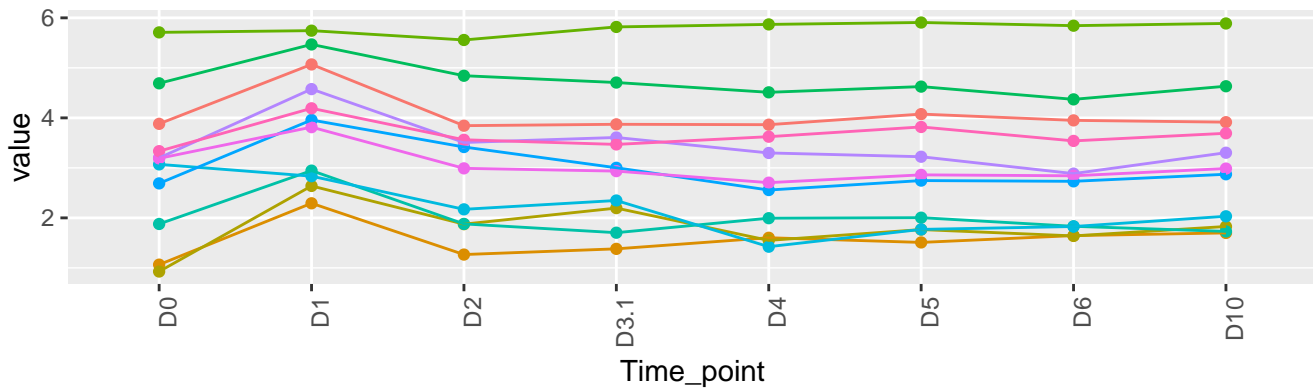
11 genes – WT-cluster-91-original



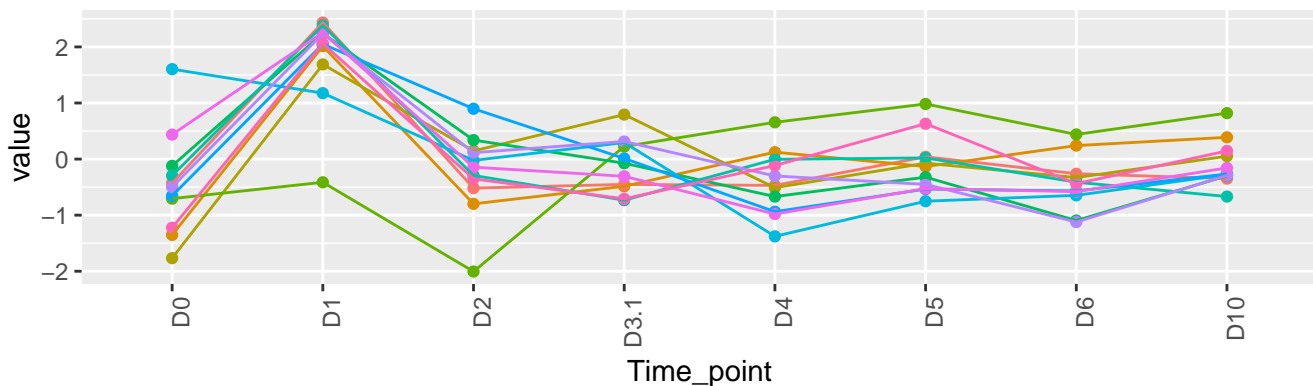
11 genes – WT-cluster-91-standardized



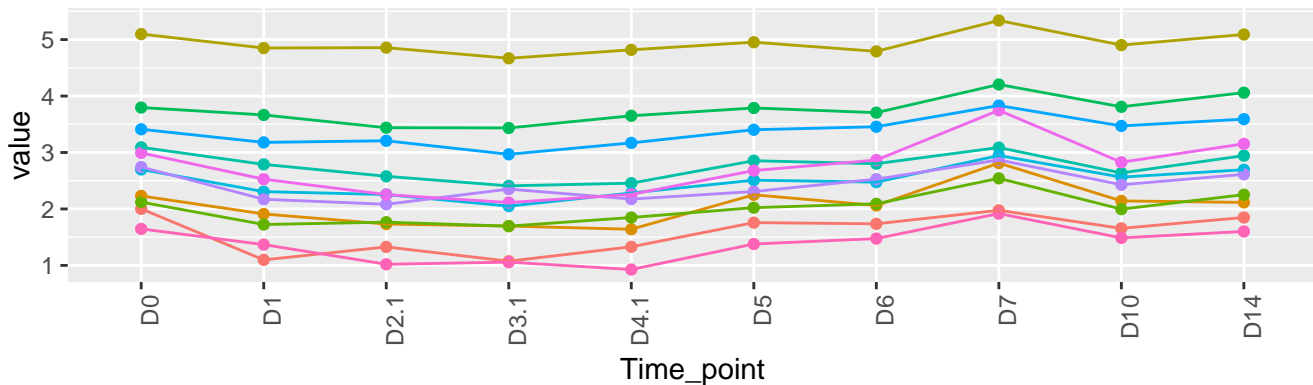
11 genes – KO-cluster-91-original



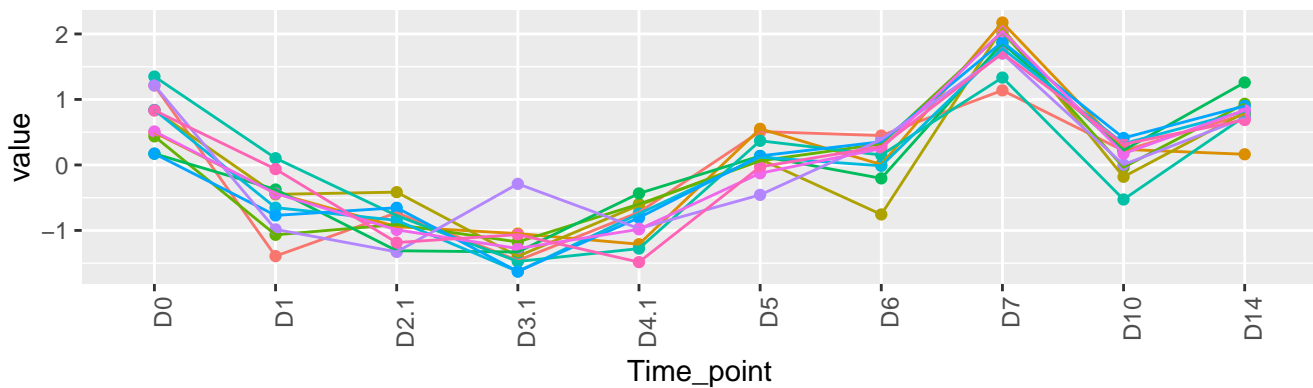
11 genes – KO-cluster-91-standardized



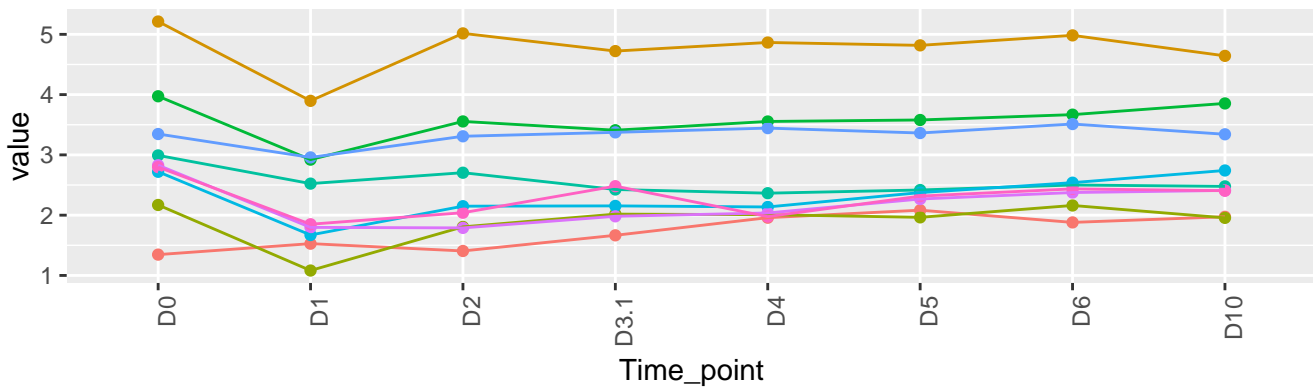
11 genes – WT-cluster-90-original



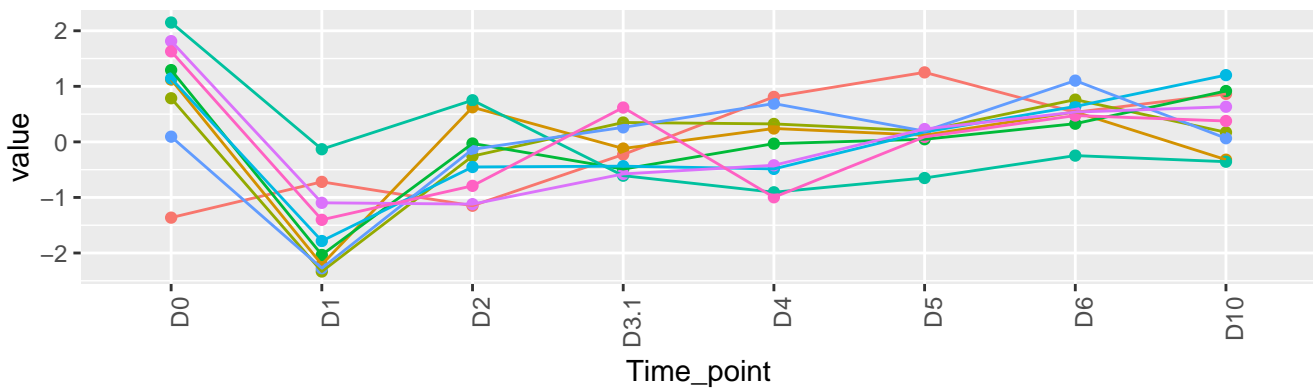
11 genes – WT-cluster-90-standardized



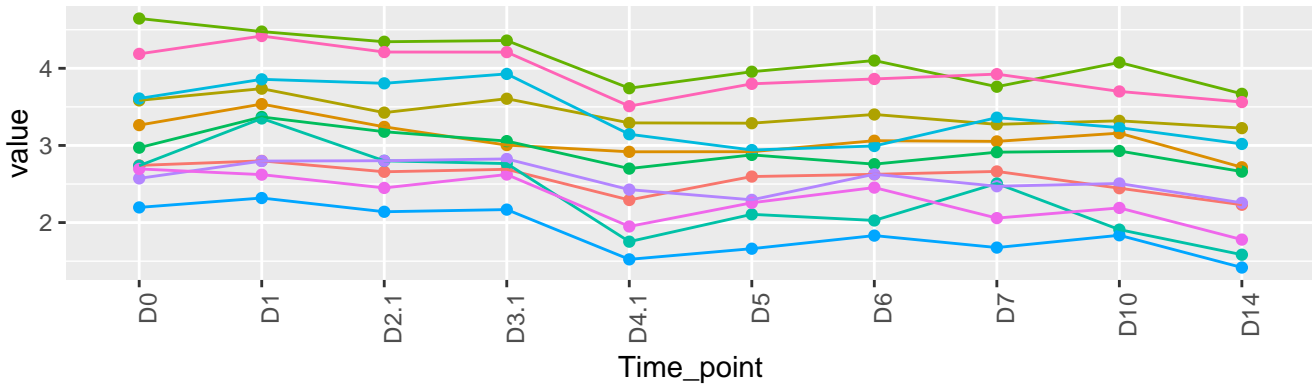
9 genes – KO-cluster-90-original



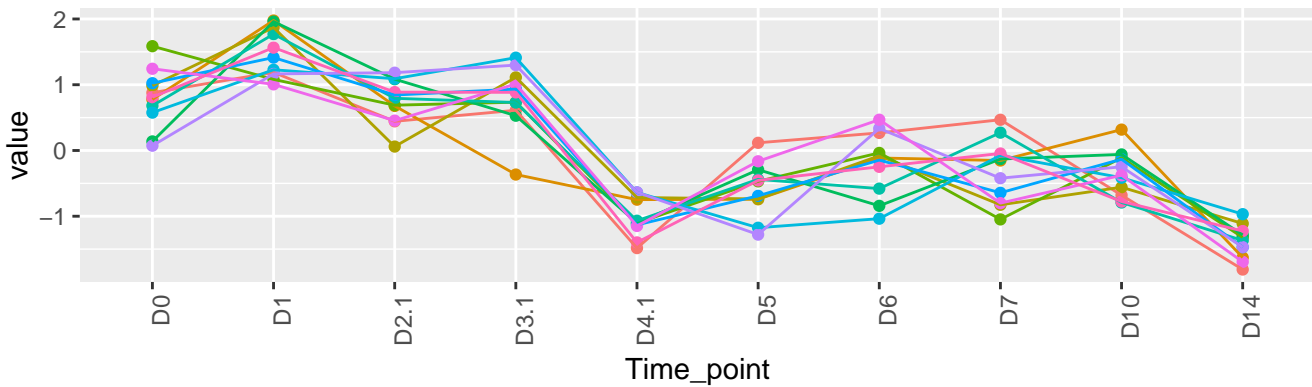
9 genes – KO-cluster-90-standardized



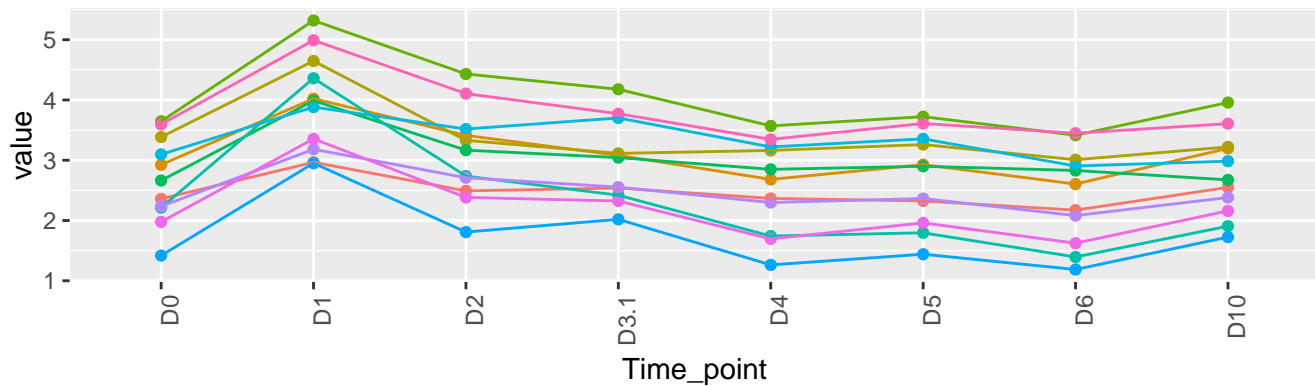
11 genes – WT-cluster-89-original



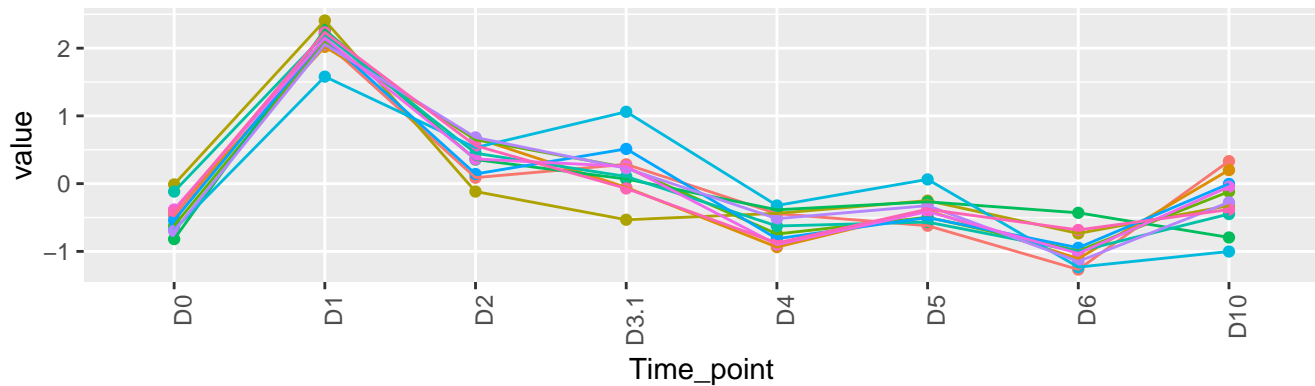
11 genes – WT-cluster-89-standardized



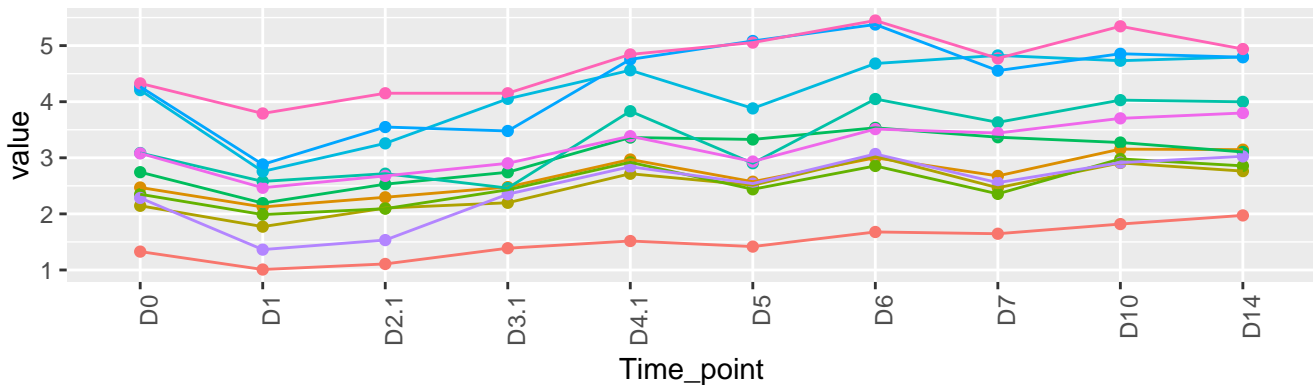
11 genes – KO-cluster-89-original



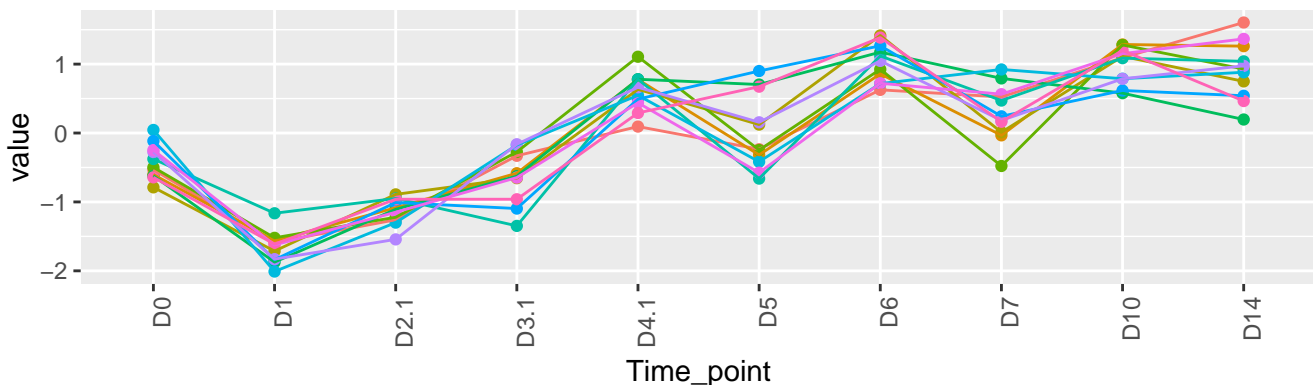
11 genes – KO-cluster-89-standardized



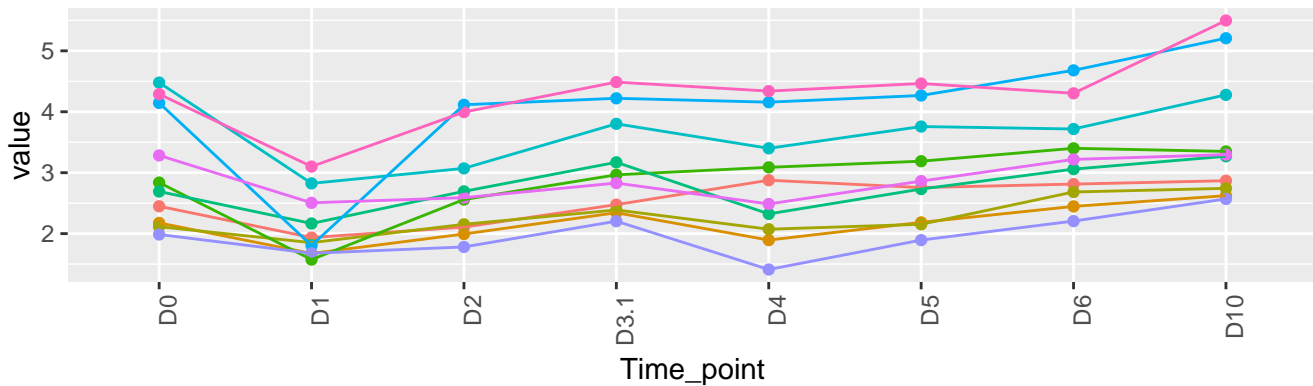
11 genes – WT-cluster-88-original



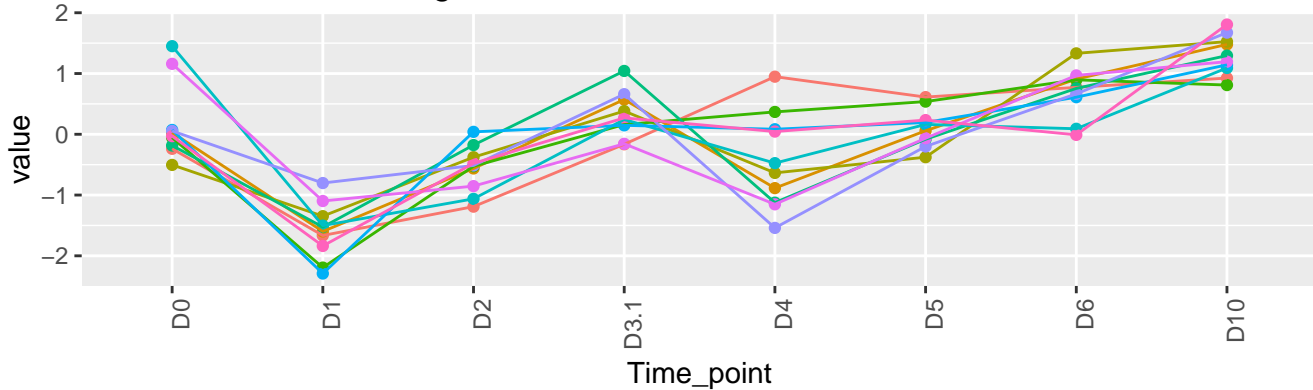
11 genes – WT-cluster-88-standardized



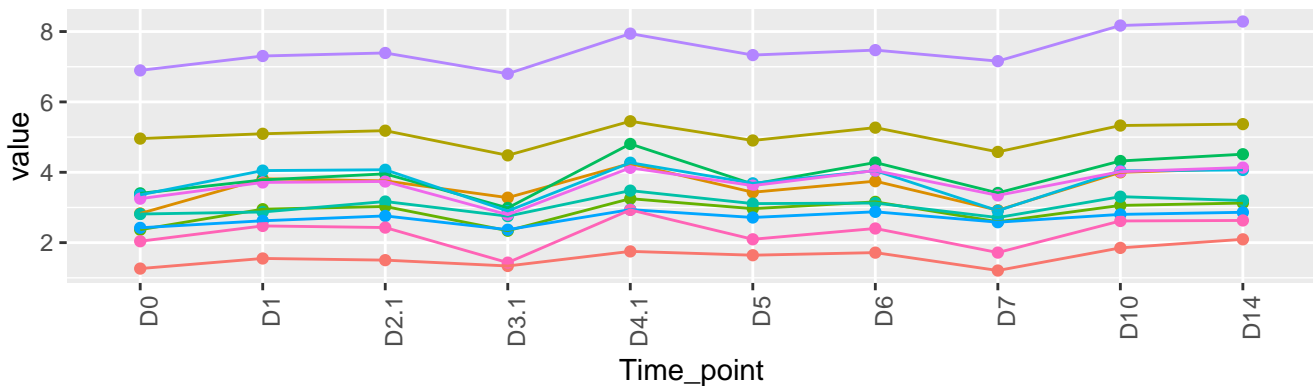
10 genes – KO-cluster-88-original



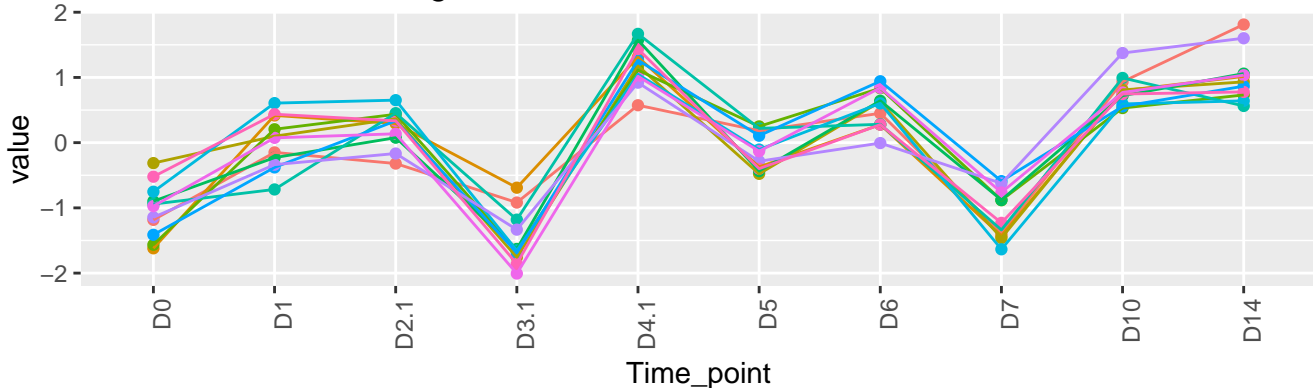
10 genes – KO-cluster-88-standardized



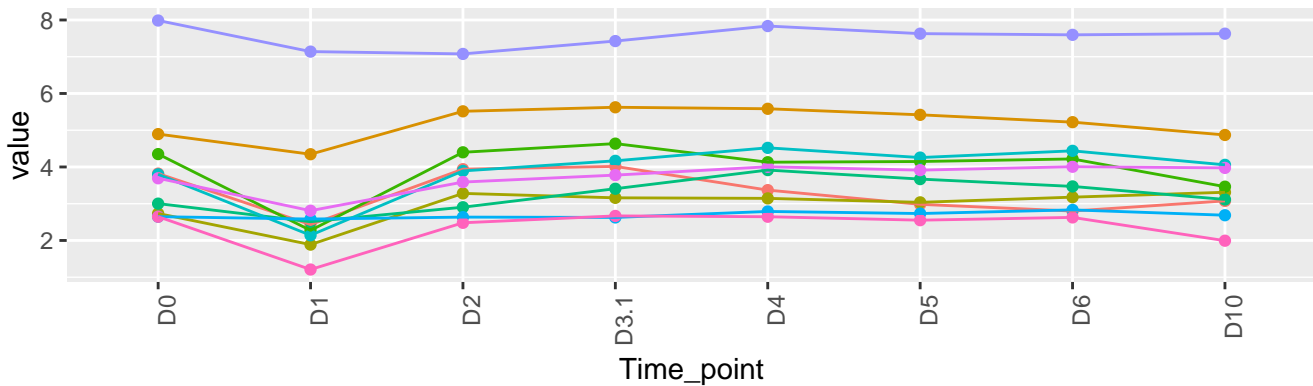
11 genes – WT-cluster-87-original



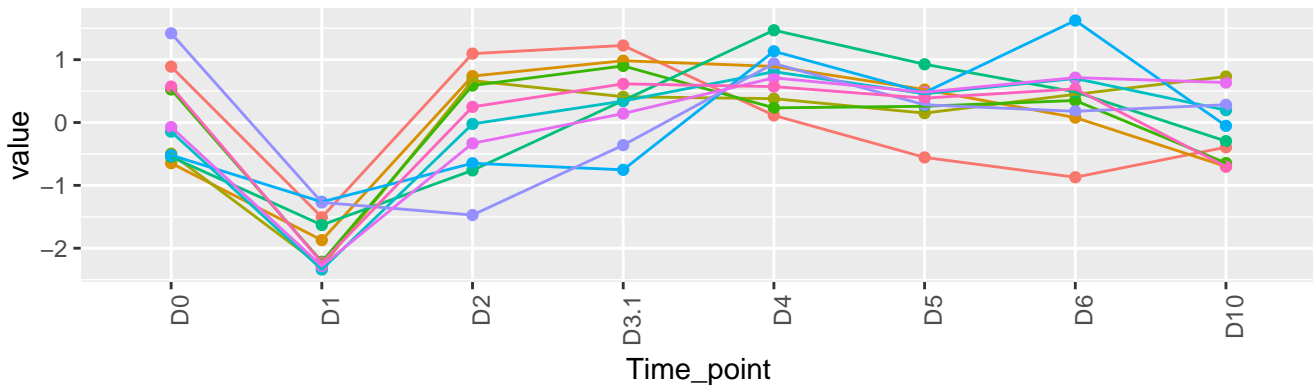
11 genes – WT-cluster-87-standardized



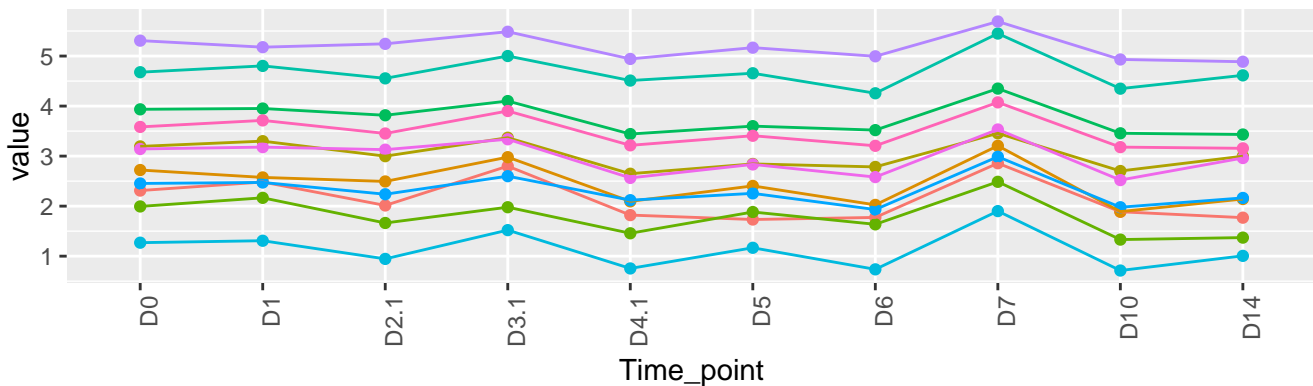
10 genes – KO-cluster-87-original



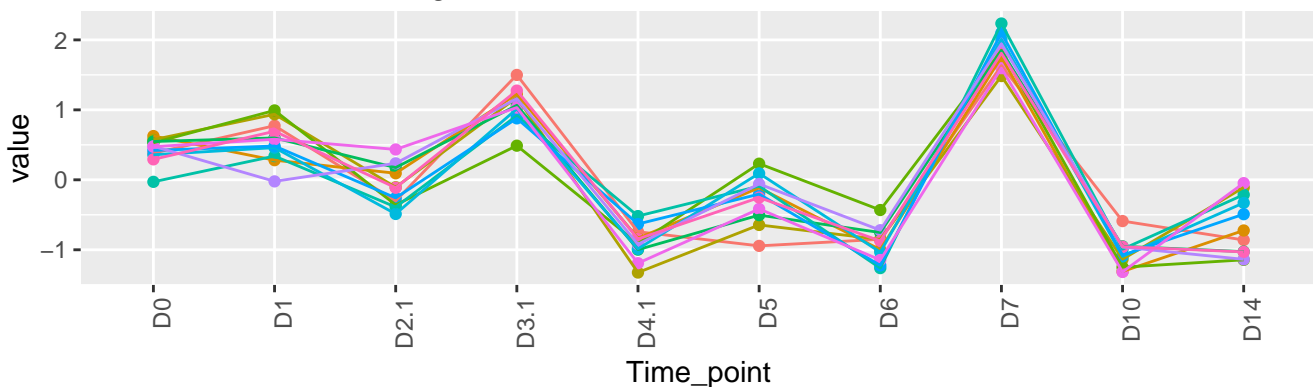
10 genes – KO-cluster-87-standardized



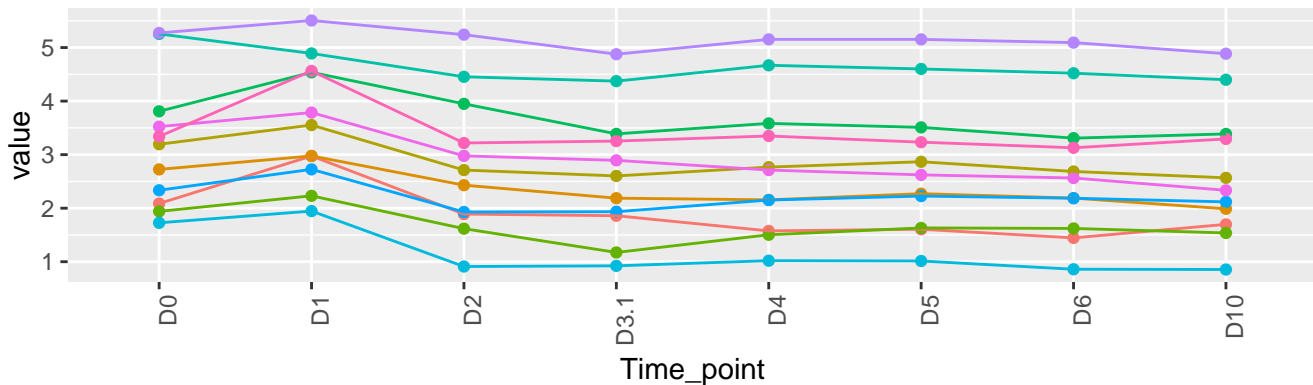
11 genes – WT-cluster-86-original



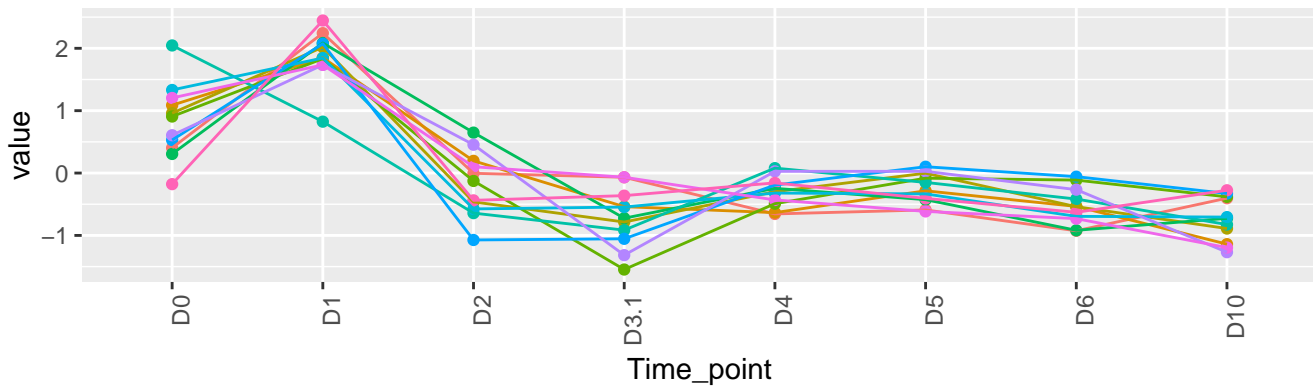
11 genes – WT-cluster-86-standardized



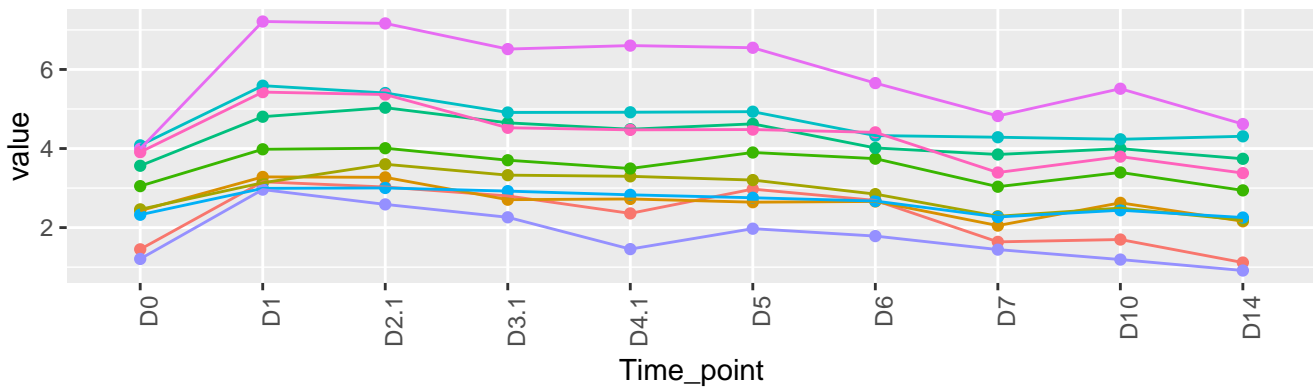
11 genes – KO-cluster-86-original



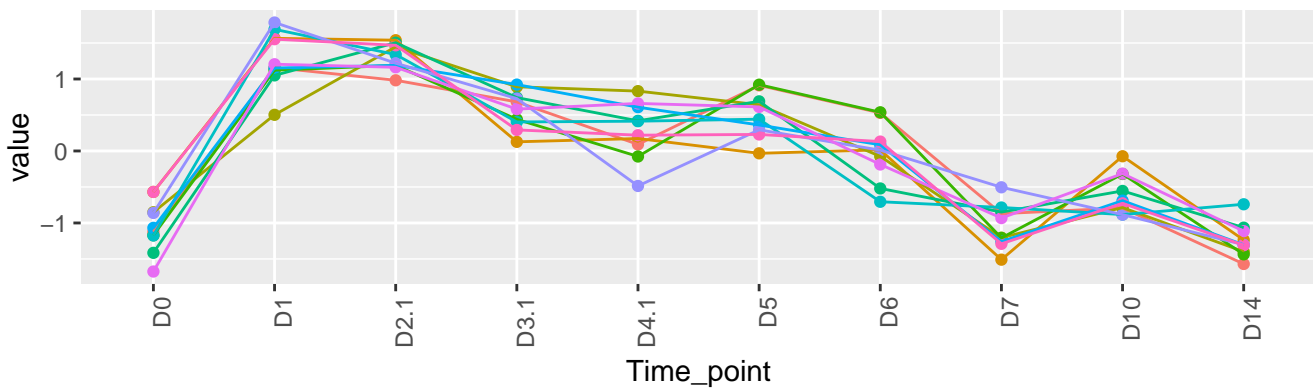
11 genes – KO-cluster-86-standardized



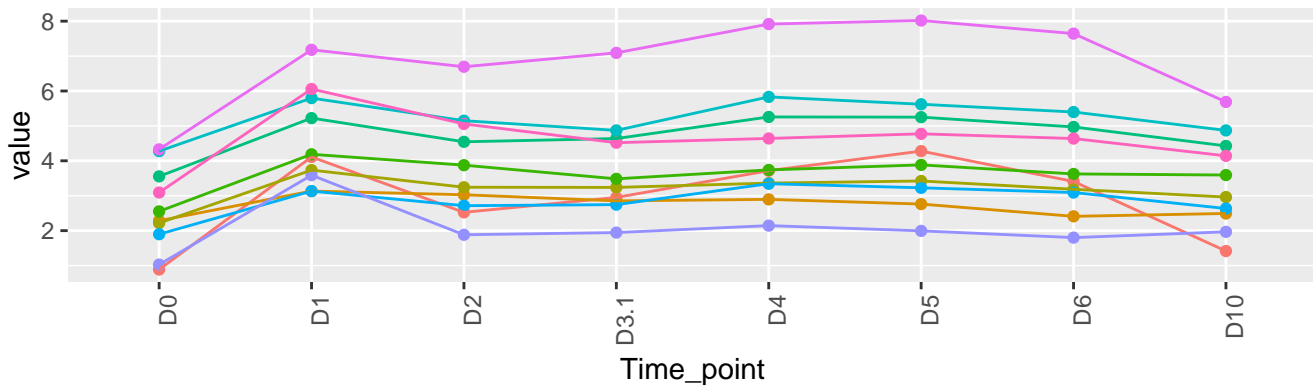
10 genes – WT-cluster-85-original



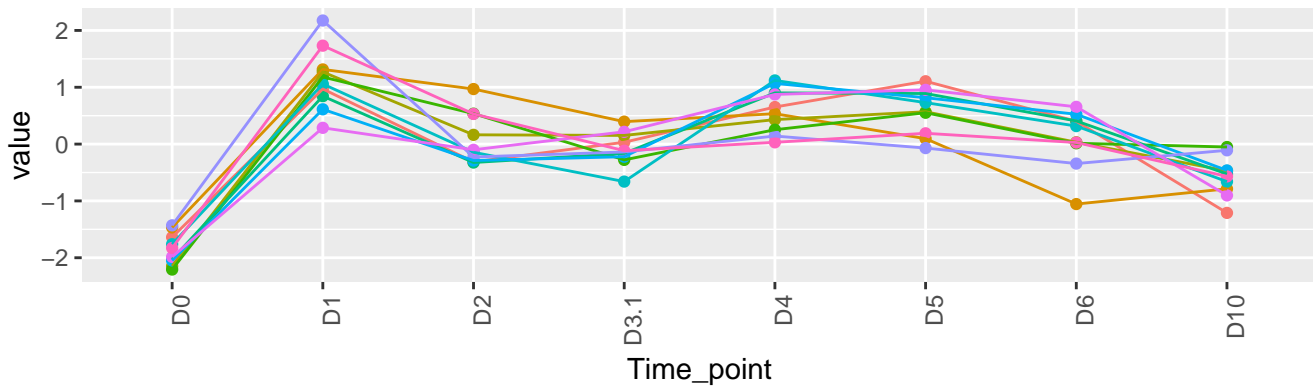
10 genes – WT-cluster-85-standardized



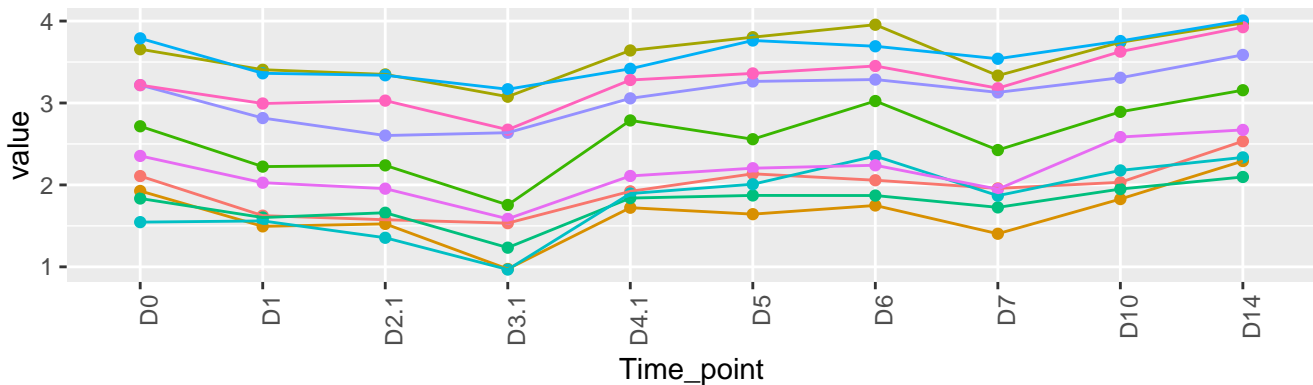
10 genes – KO-cluster-85-original



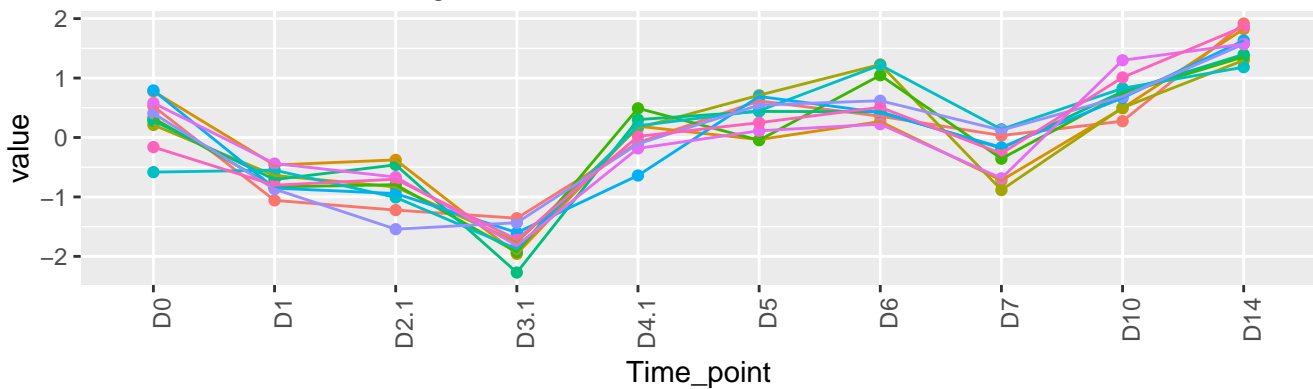
10 genes – KO-cluster-85-standardized



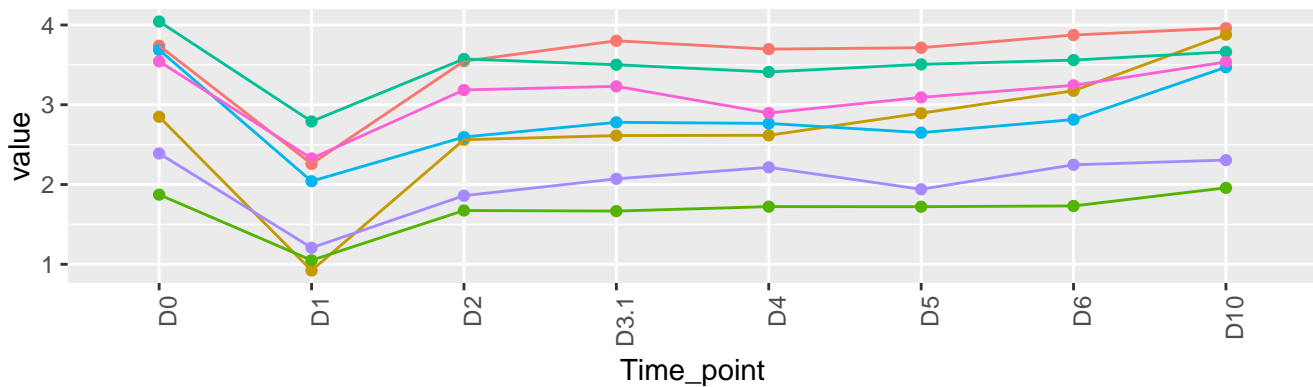
10 genes – WT-cluster-84-original



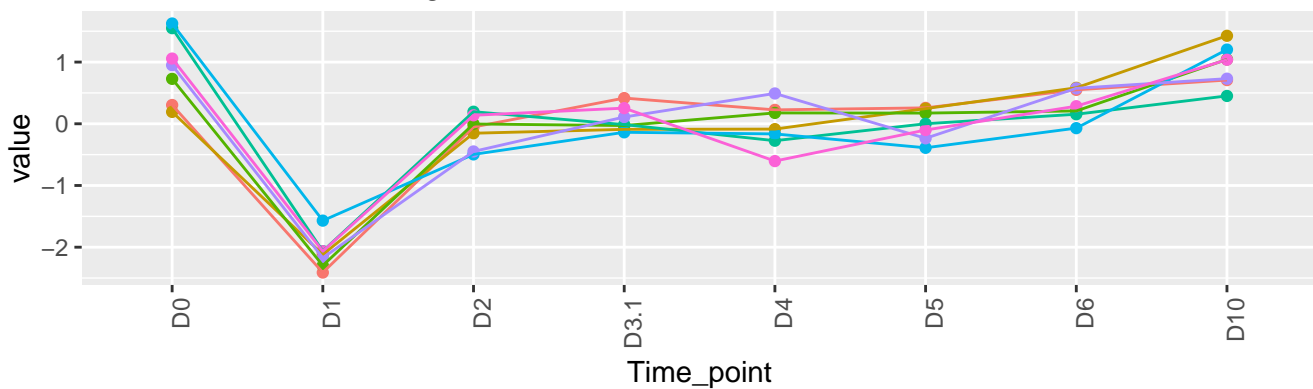
10 genes – WT-cluster-84-standardized



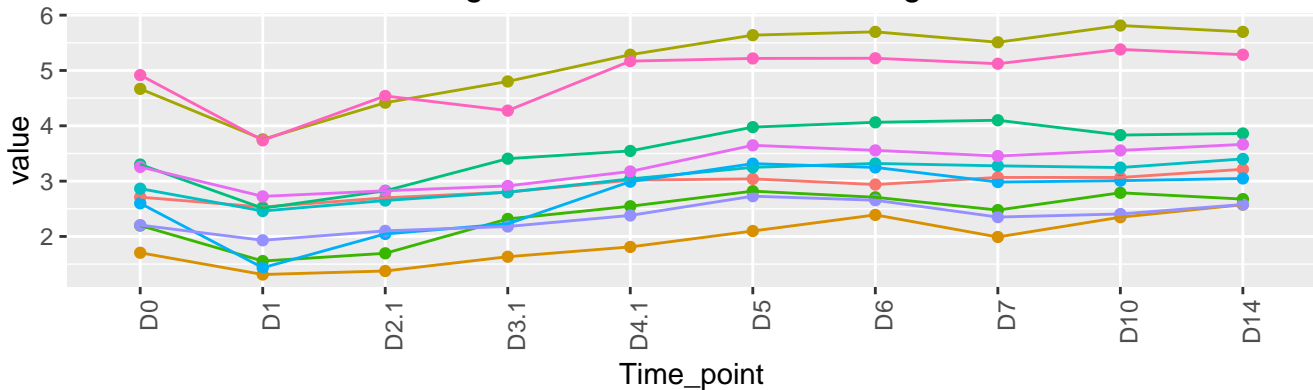
7 genes – KO-cluster-84-original



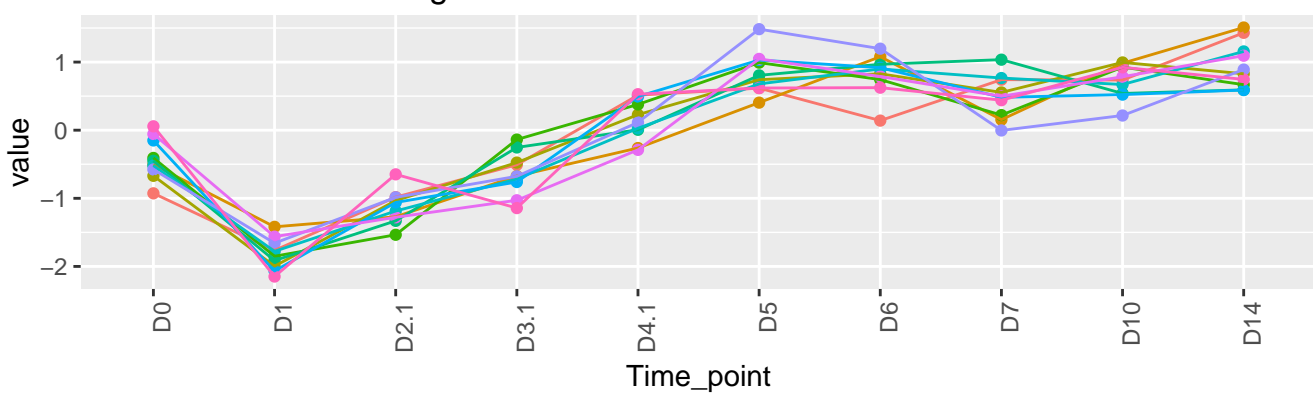
7 genes – KO-cluster-84-standardized



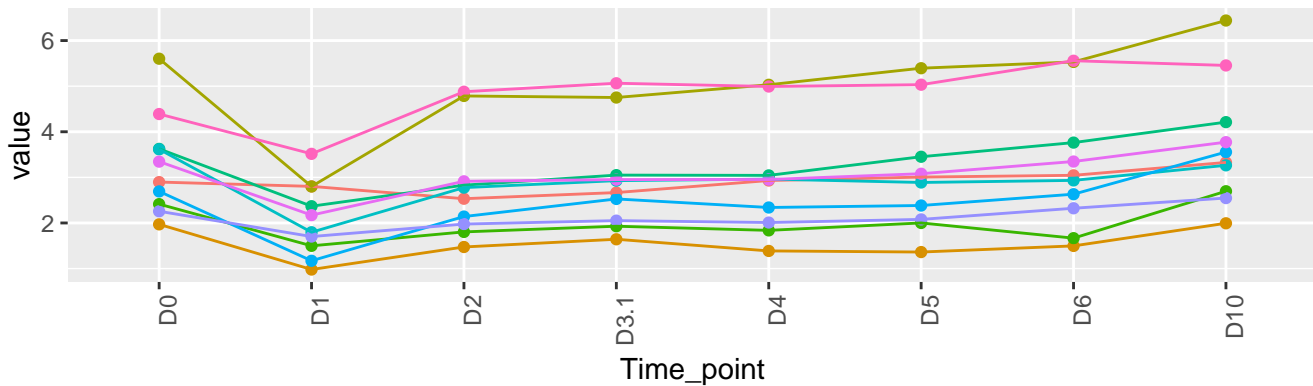
10 genes – WT-cluster-83-original



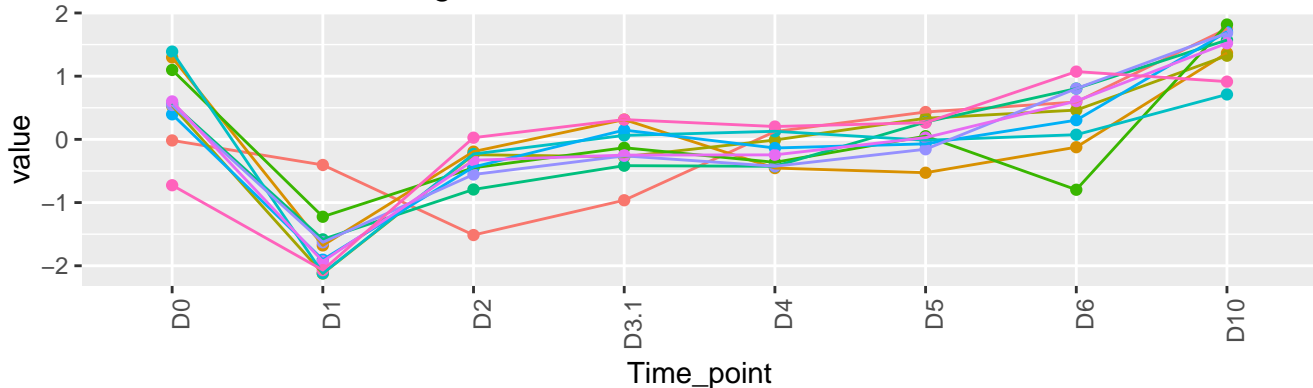
10 genes – WT-cluster-83-standardized



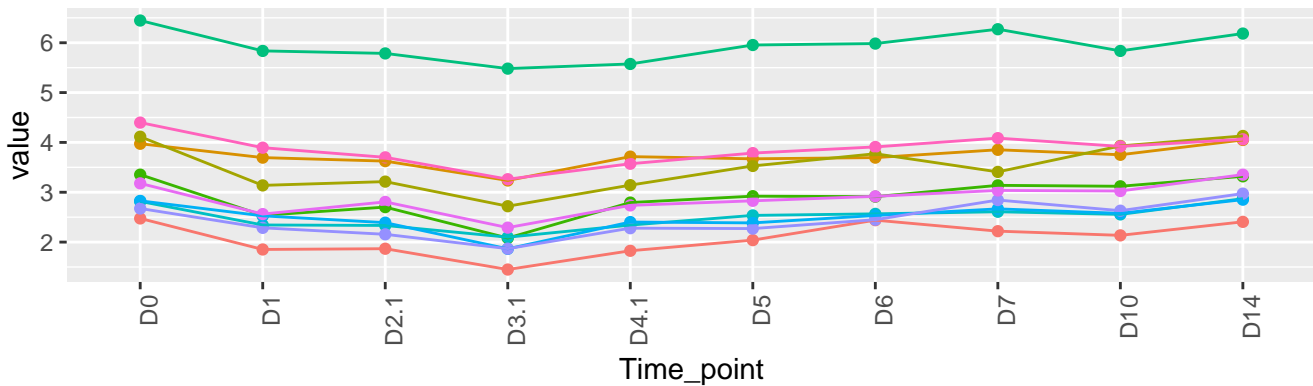
10 genes – KO-cluster-83–original



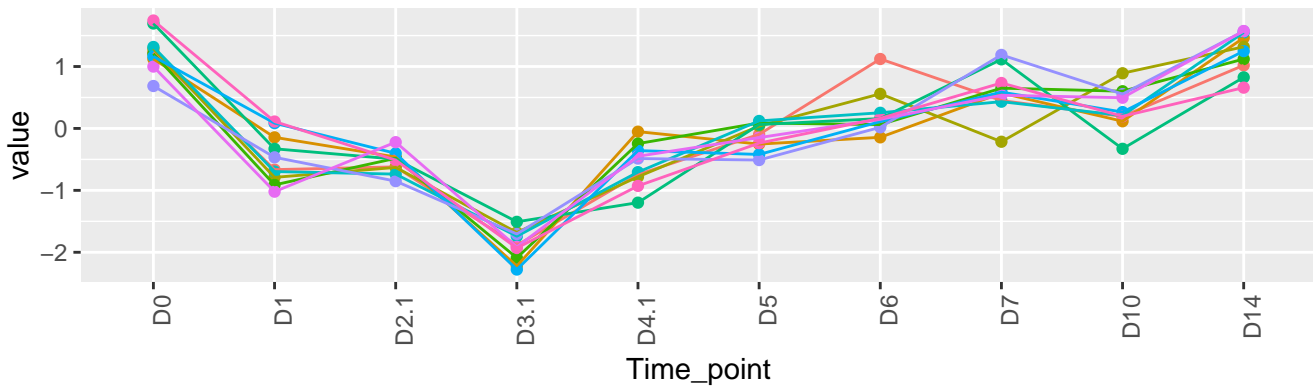
10 genes – KO-cluster-83–standardized



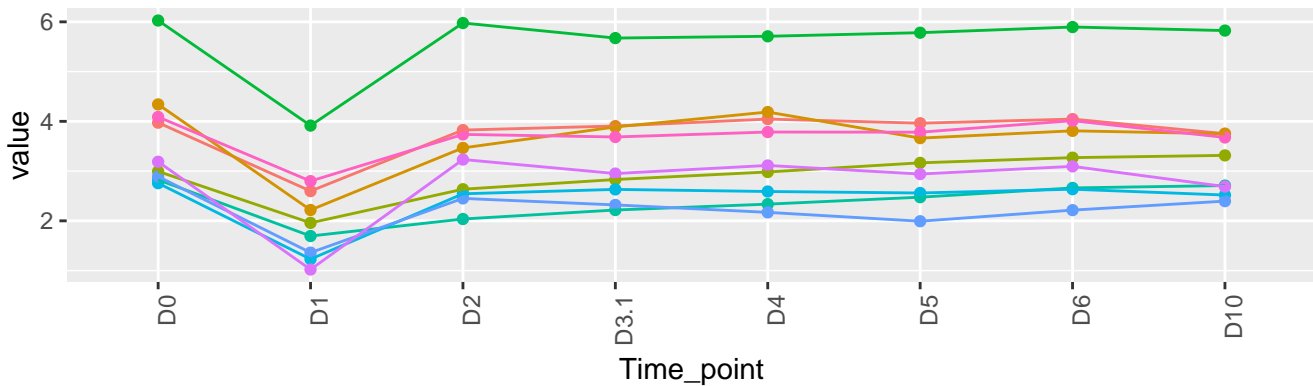
10 genes – WT-cluster-82-original



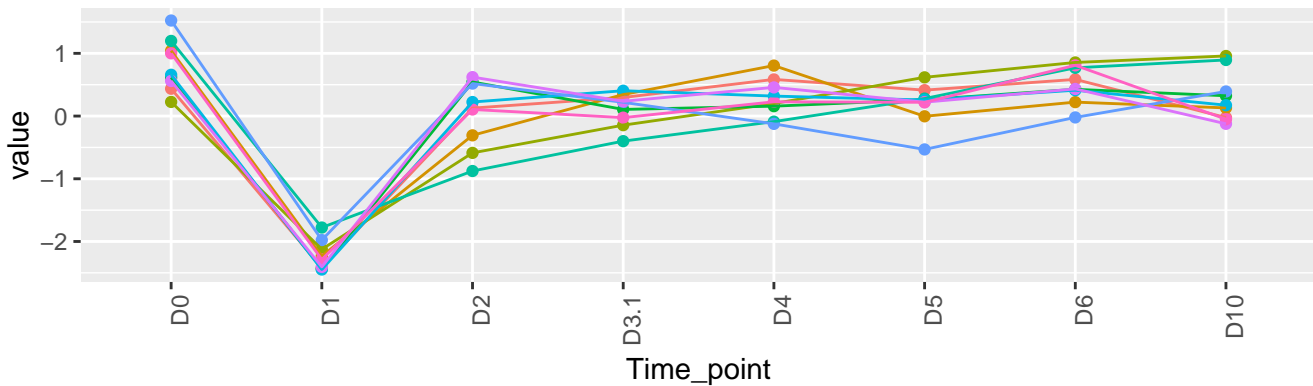
10 genes – WT-cluster-82-standardized



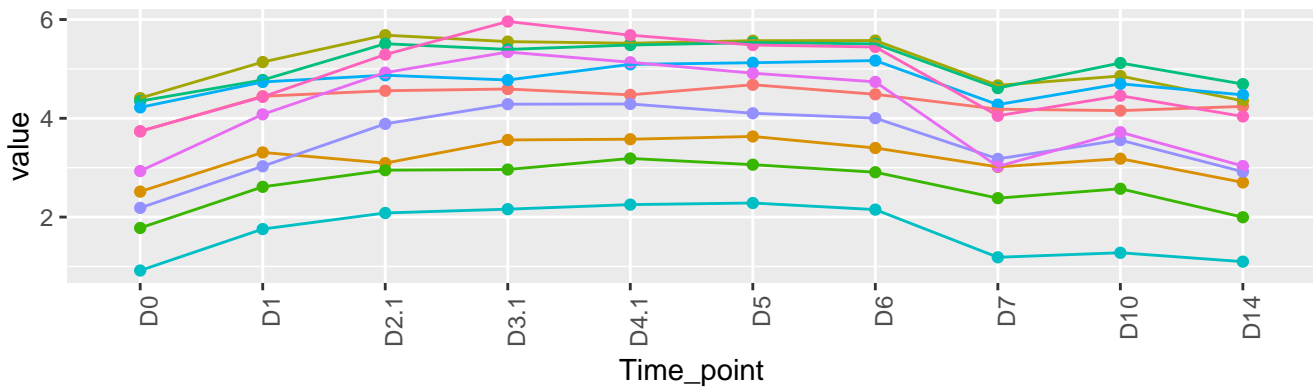
9 genes – KO-cluster-82-original



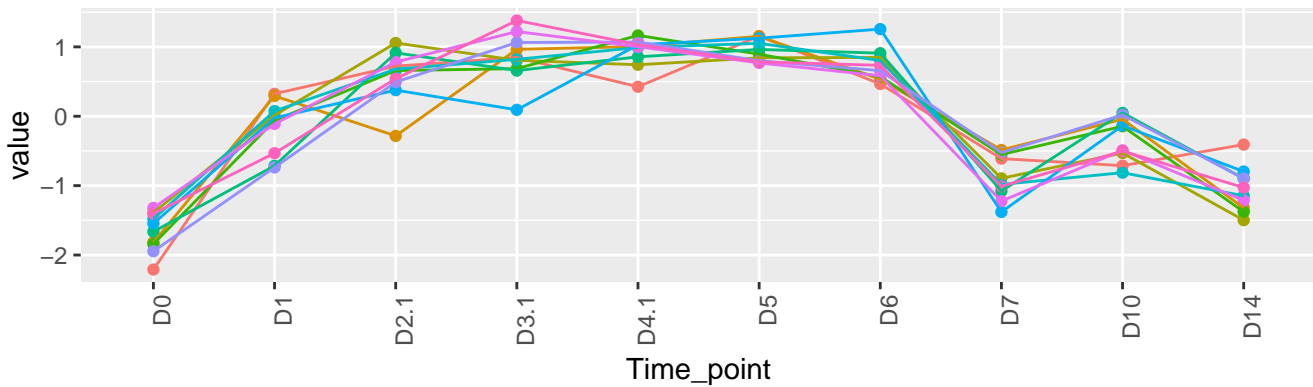
9 genes – KO-cluster-82-standardized



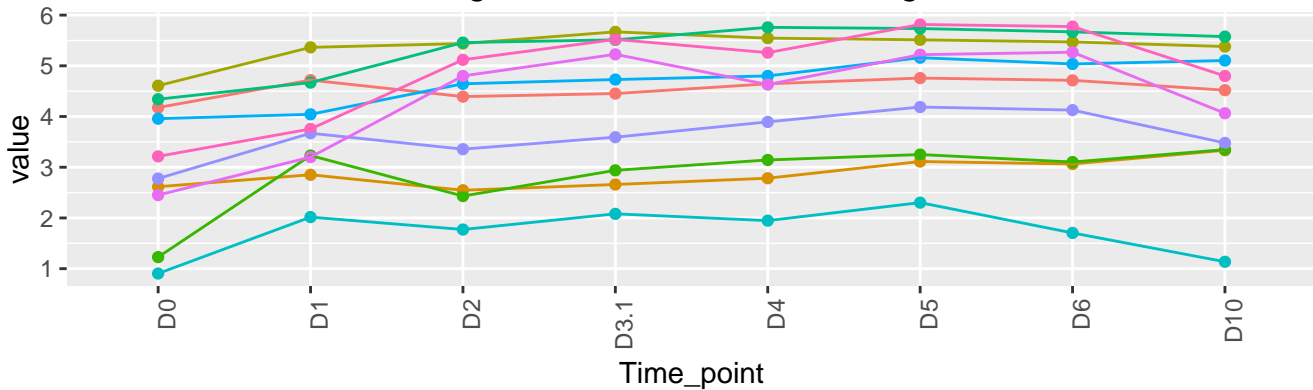
10 genes – WT-cluster-81-original



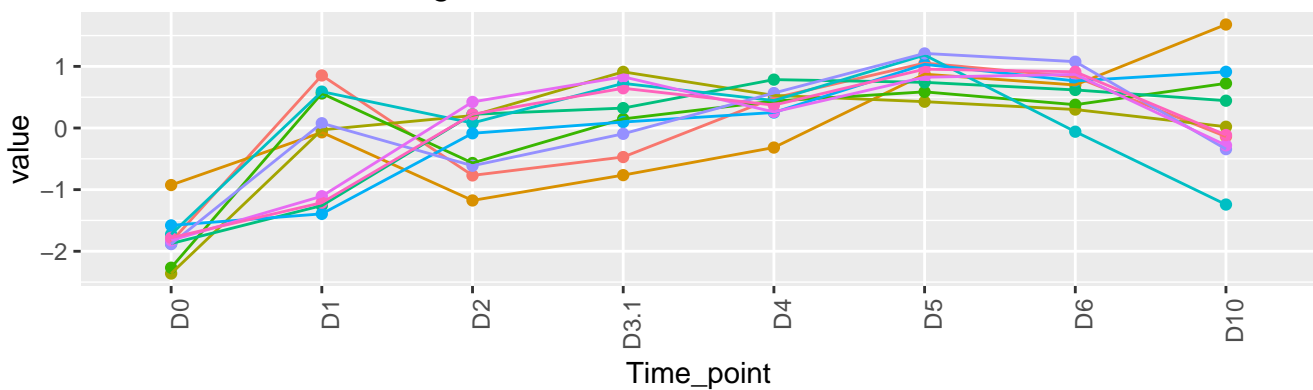
10 genes – WT-cluster-81-standardized



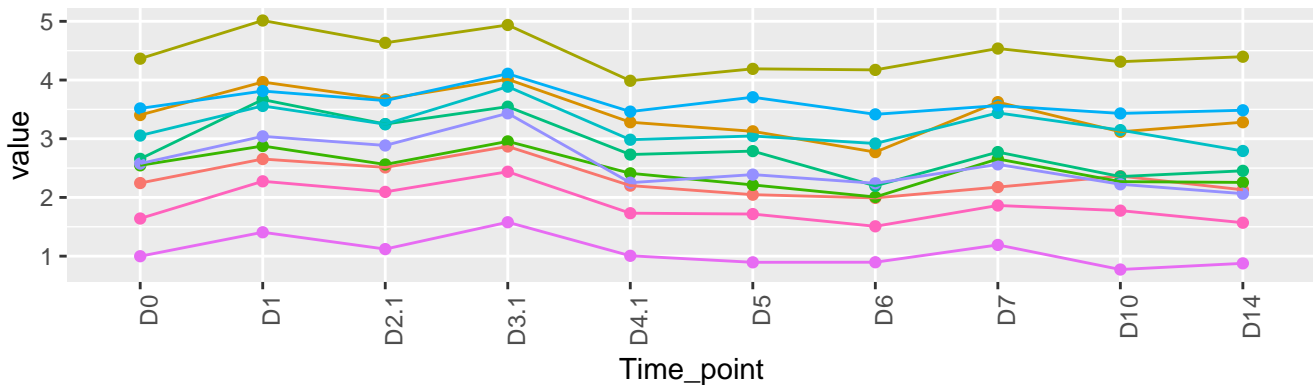
10 genes – KO-cluster-81-original



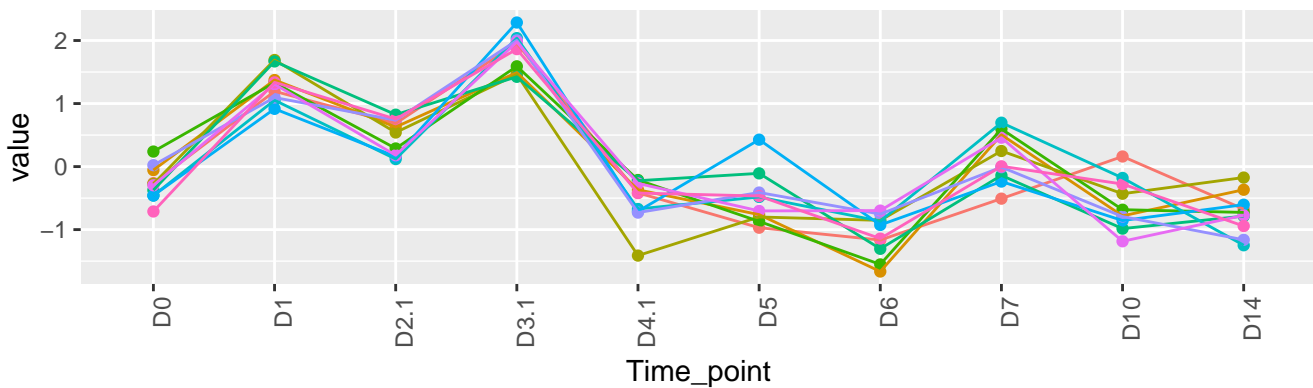
10 genes – KO-cluster-81-standardized



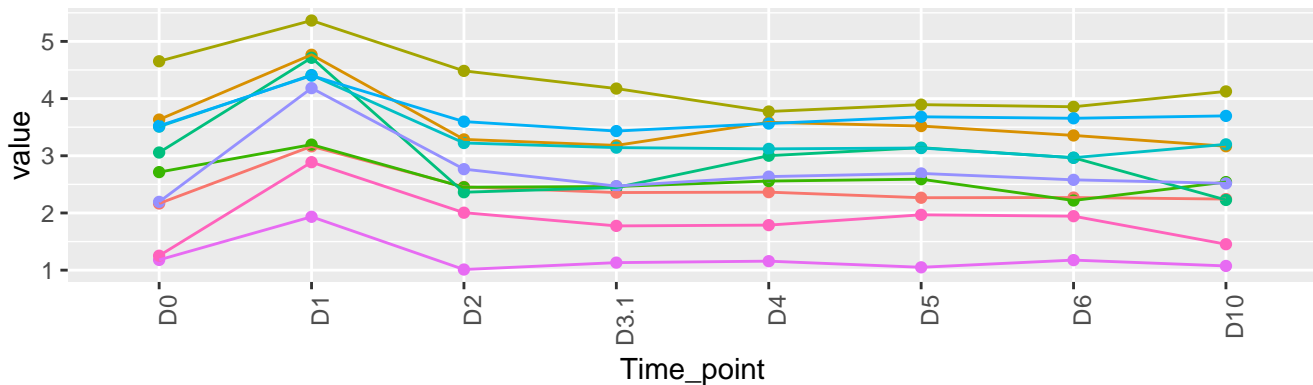
10 genes – WT-cluster-80-original



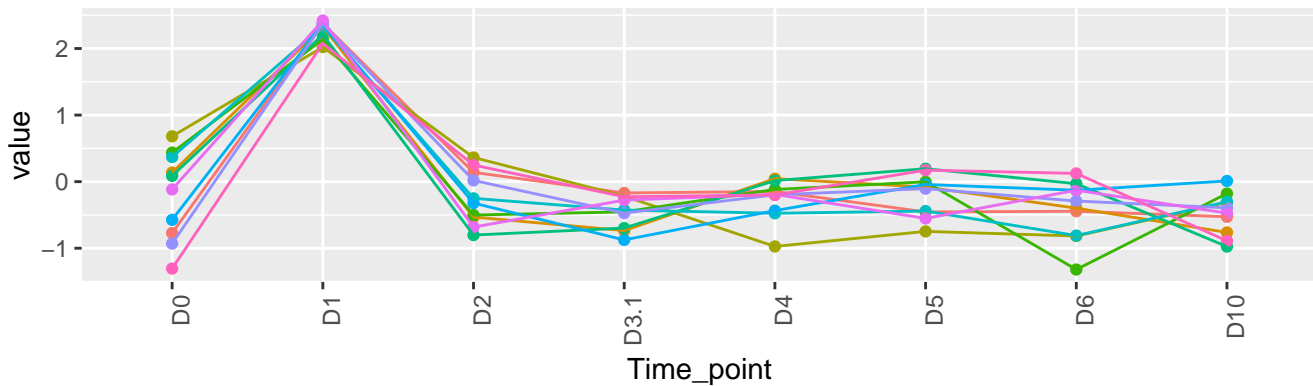
10 genes – WT-cluster-80-standardized



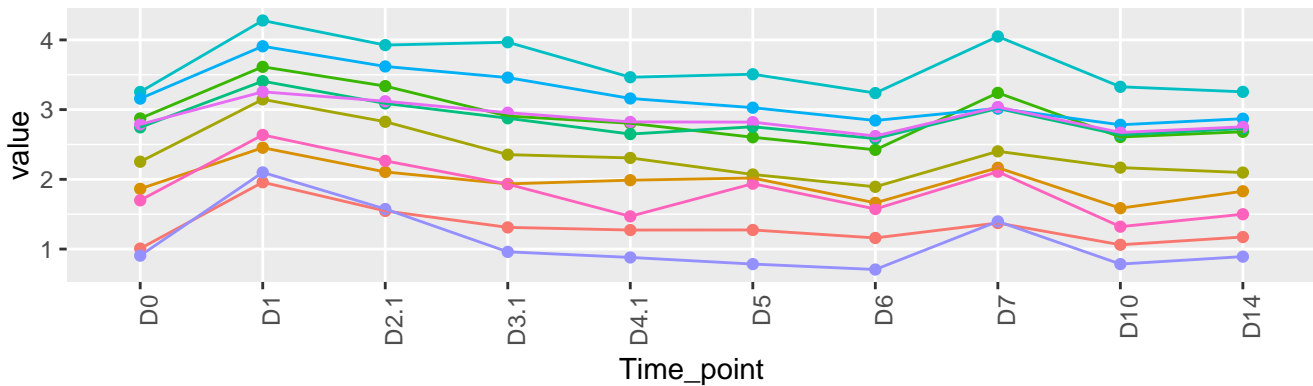
10 genes – KO-cluster-80–original



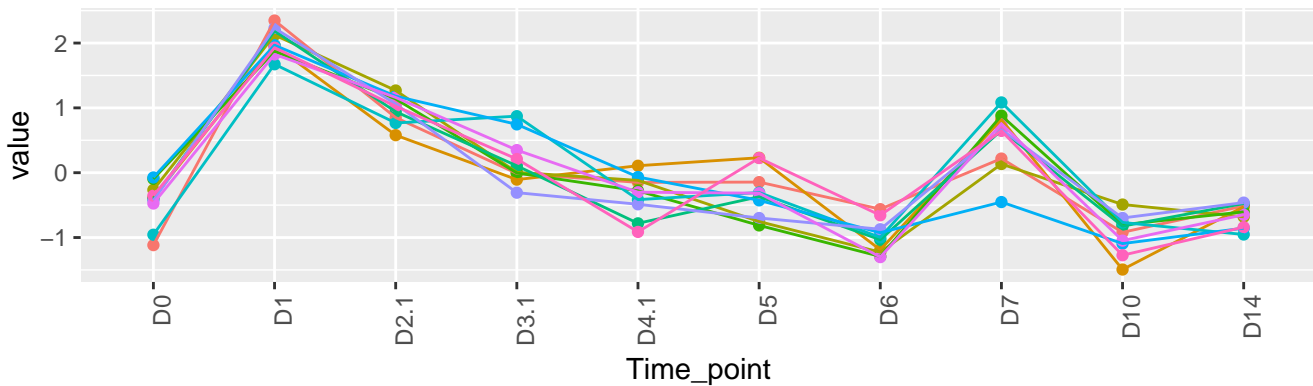
10 genes – KO-cluster-80–standardized



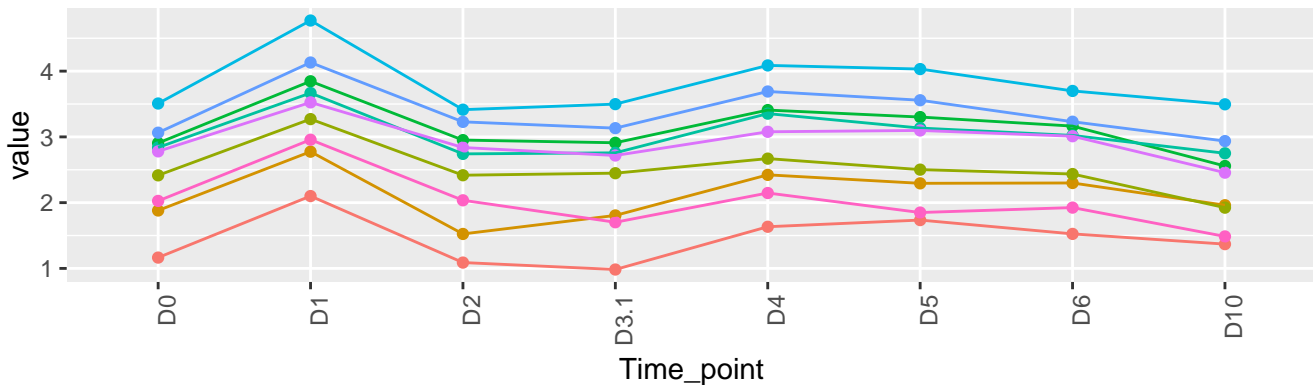
10 genes – WT-cluster-79-original



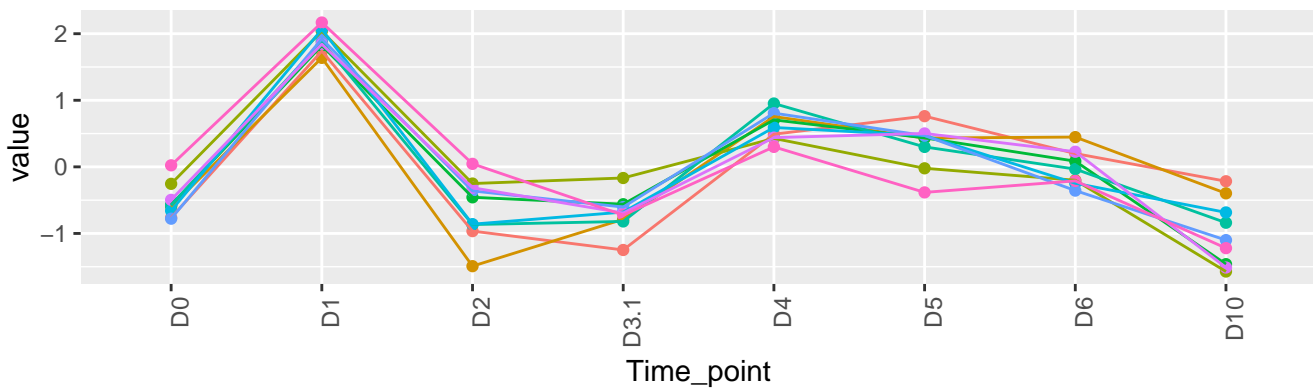
10 genes – WT-cluster-79-standardized



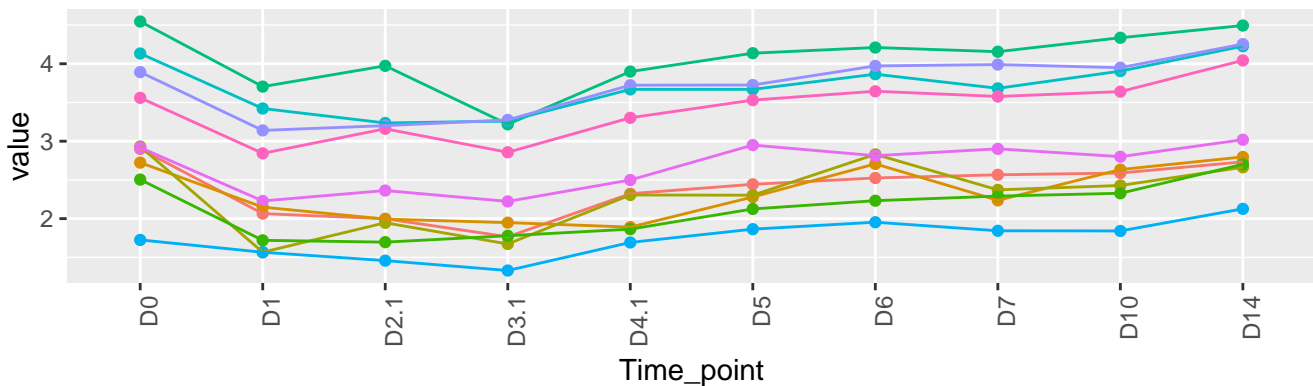
9 genes – KO-cluster-79-original



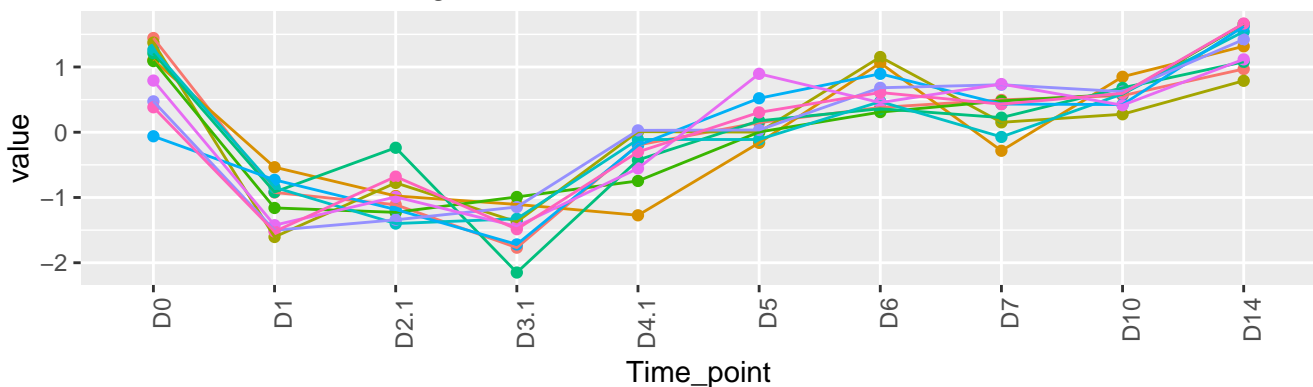
9 genes – KO-cluster-79-standardized



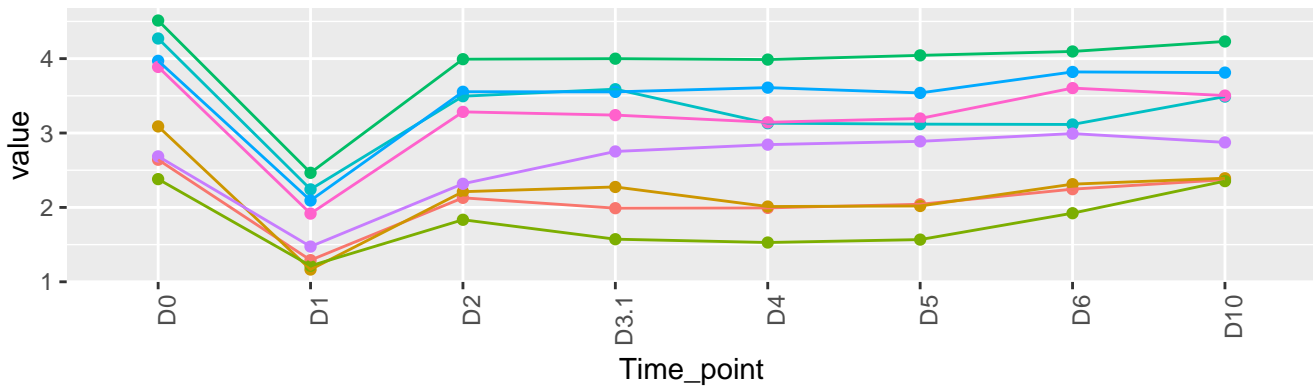
10 genes – WT-cluster-78-original



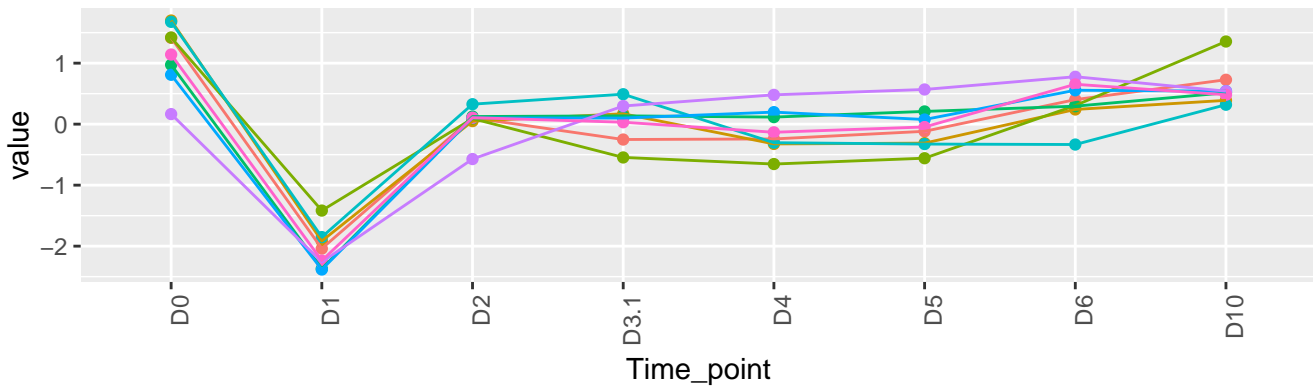
10 genes – WT-cluster-78-standardized



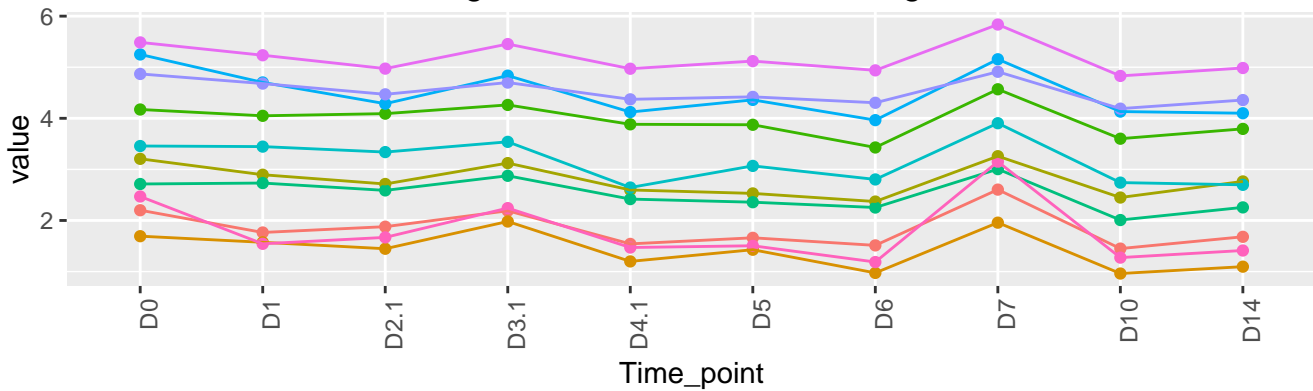
8 genes – KO-cluster-78-original



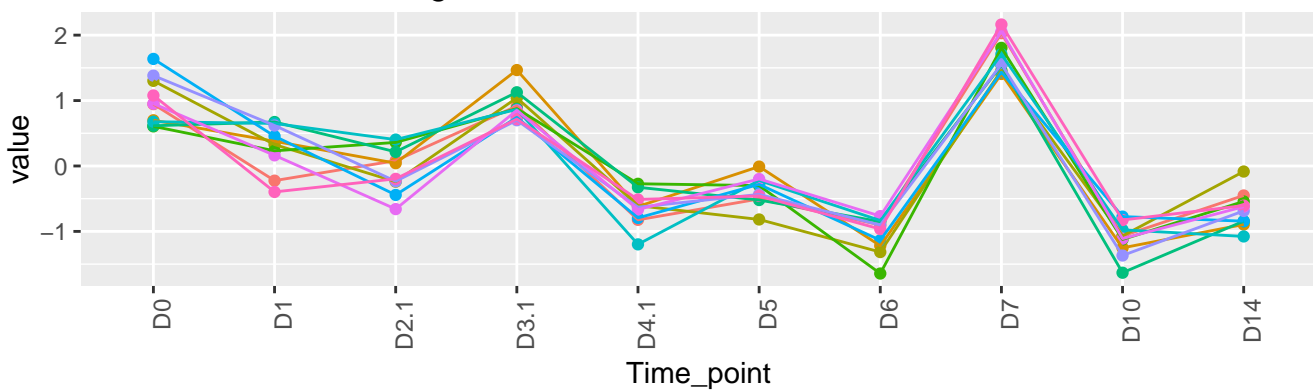
8 genes – KO-cluster-78-standardized



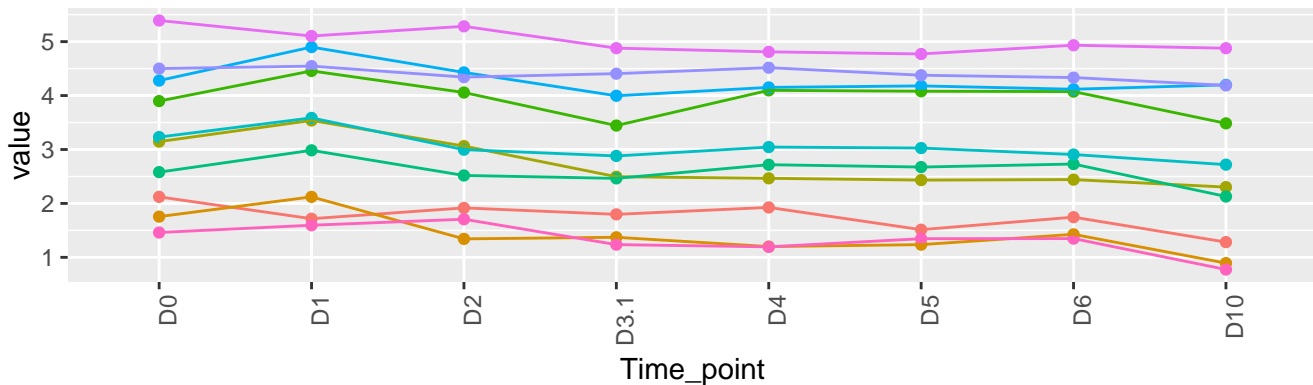
10 genes – WT-cluster-77-original



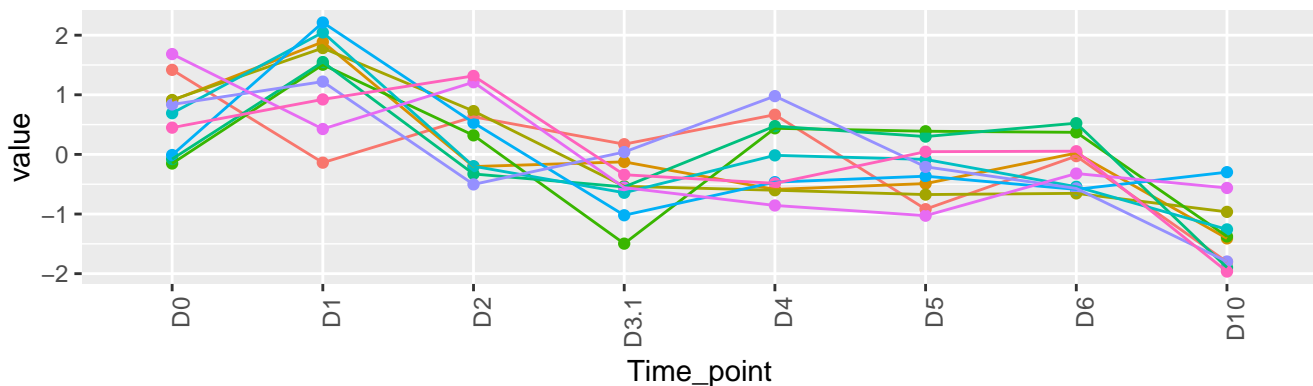
10 genes – WT-cluster-77-standardized



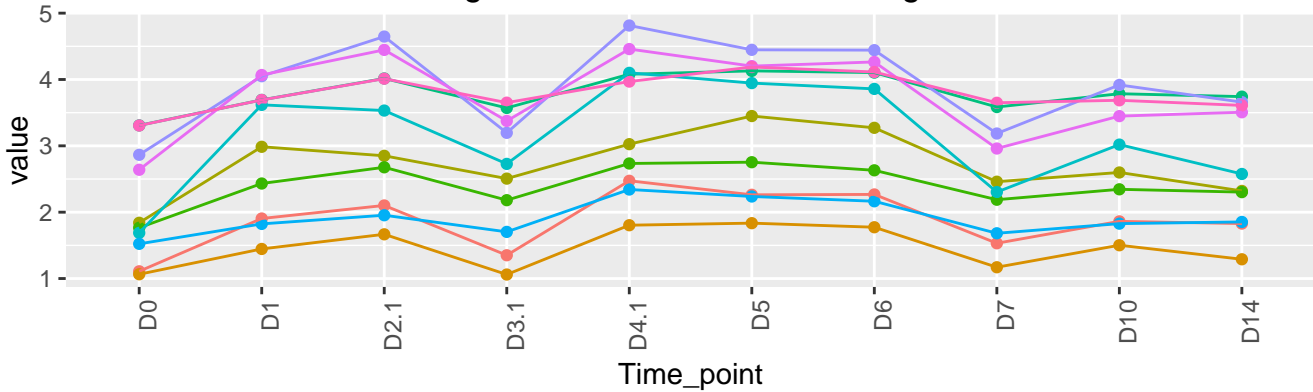
10 genes – KO-cluster-77–original



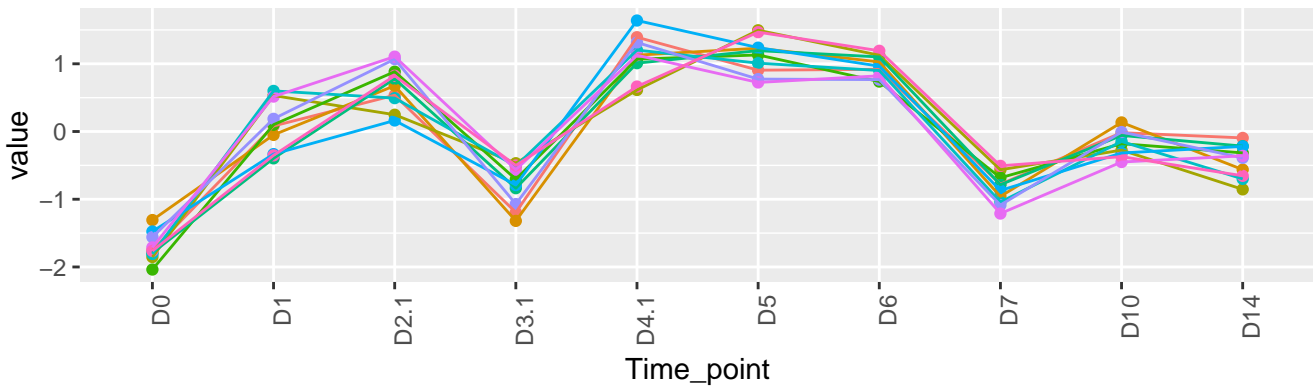
10 genes – KO-cluster-77–standardized



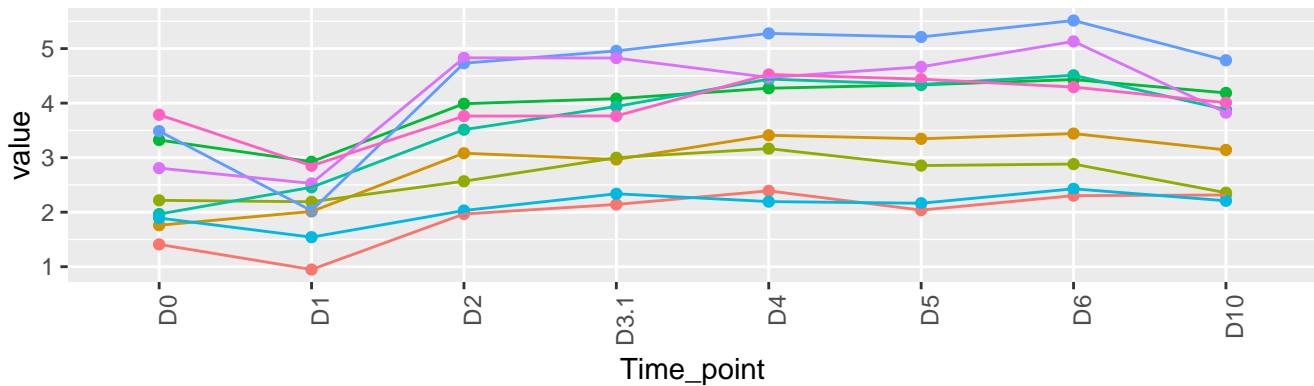
10 genes – WT-cluster-76-original



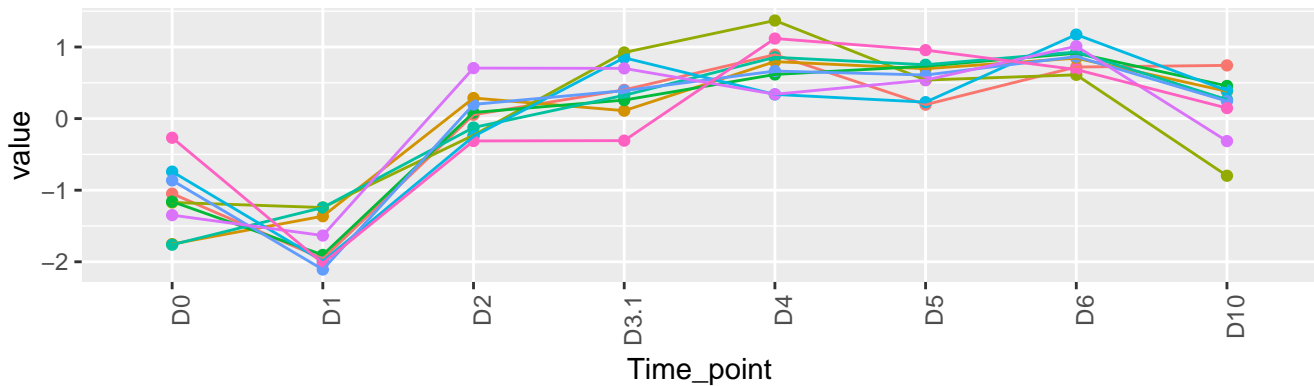
10 genes – WT-cluster-76-standardized



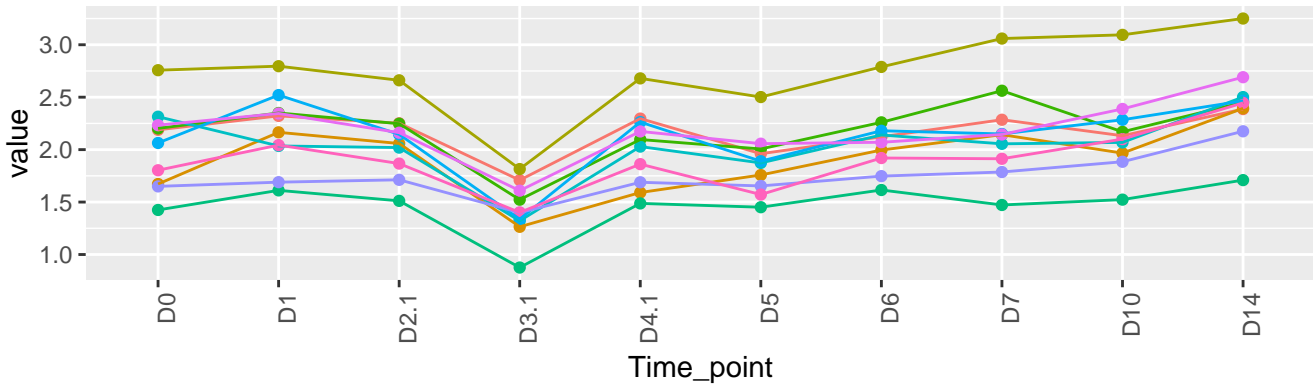
9 genes – KO-cluster-76-original



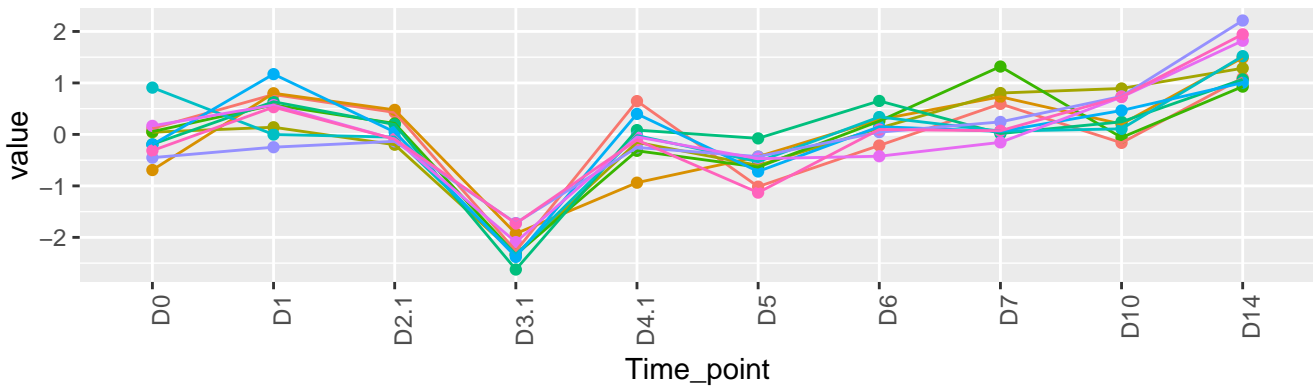
9 genes – KO-cluster-76-standardized



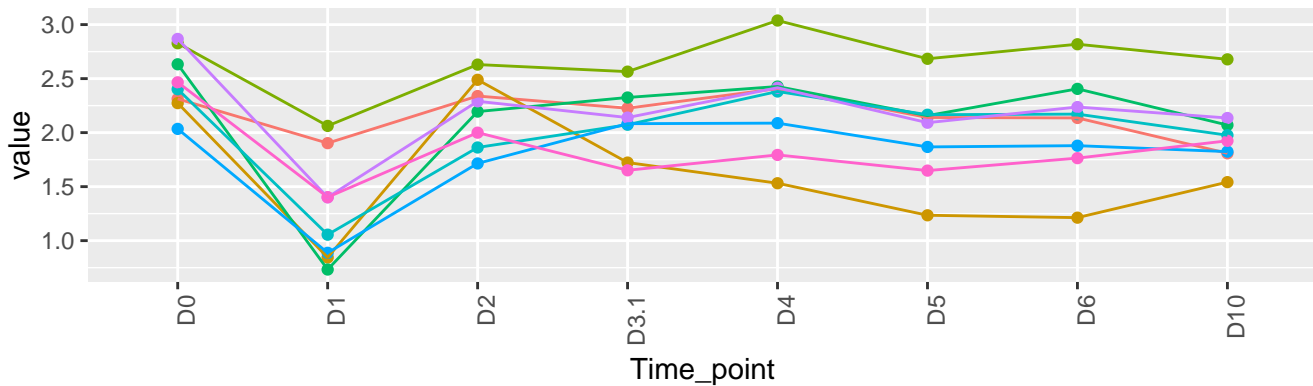
10 genes – WT-cluster-75-original



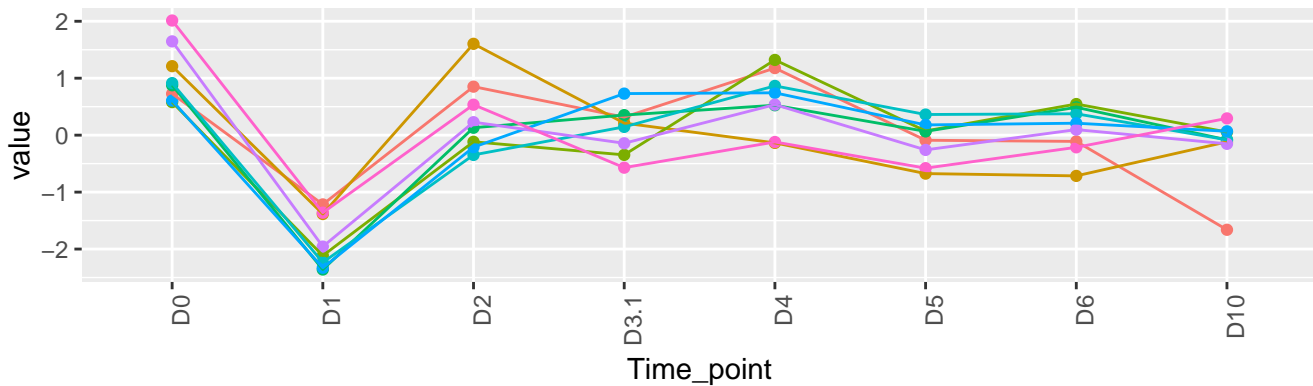
10 genes – WT-cluster-75-standardized



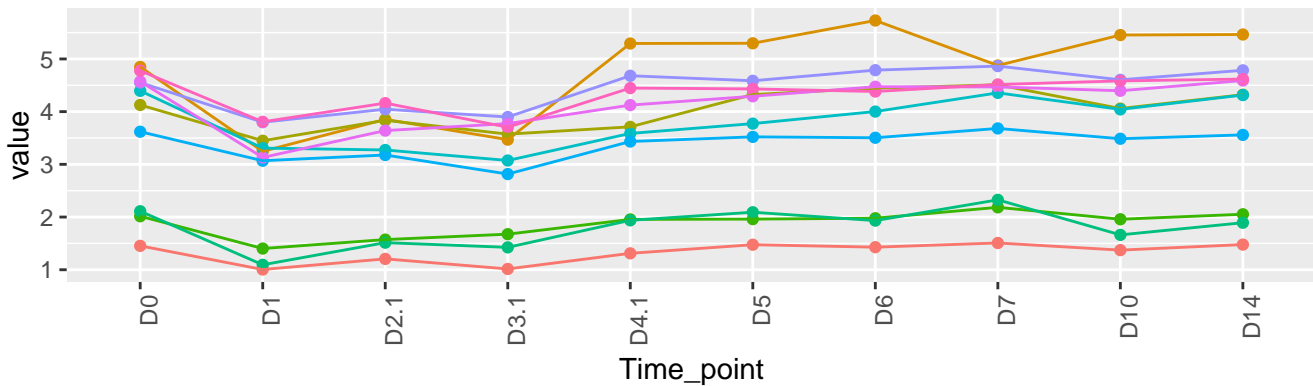
8 genes – KO-cluster-75-original



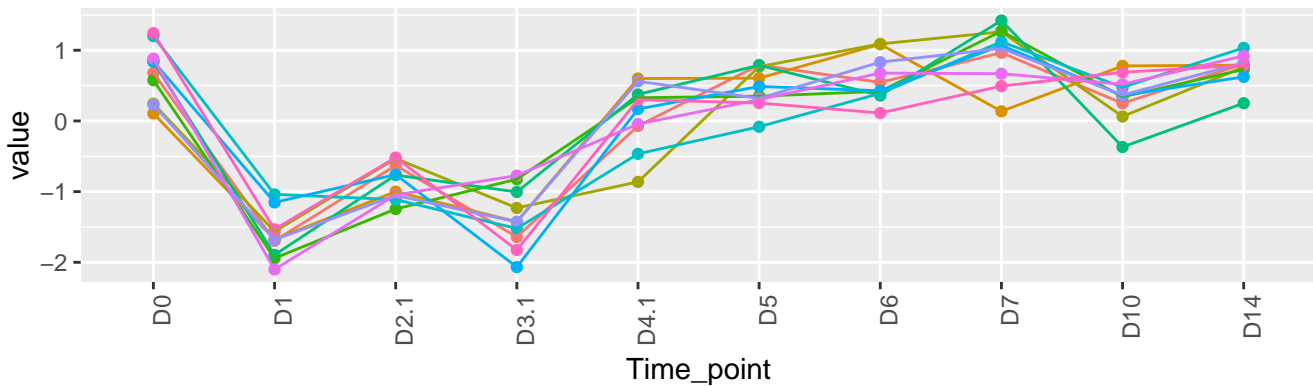
8 genes – KO-cluster-75-standardized



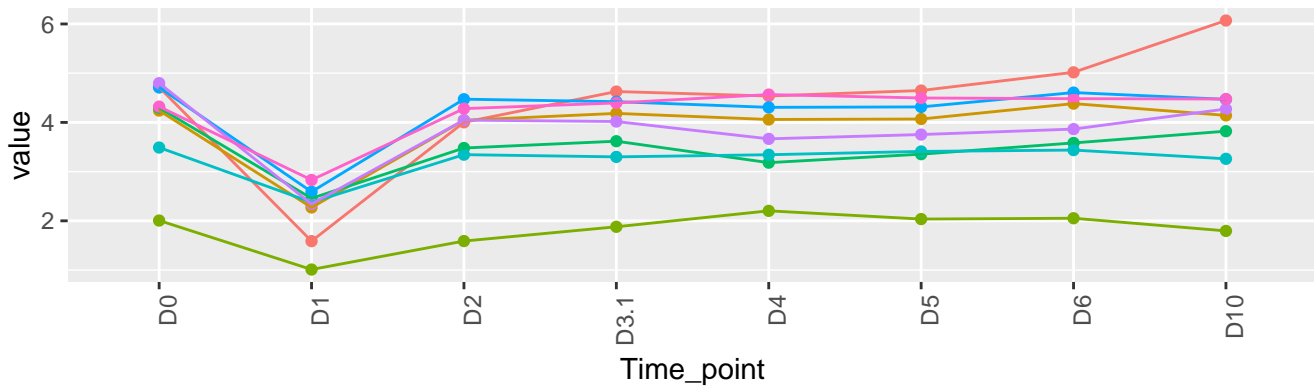
10 genes – WT-cluster-74–original



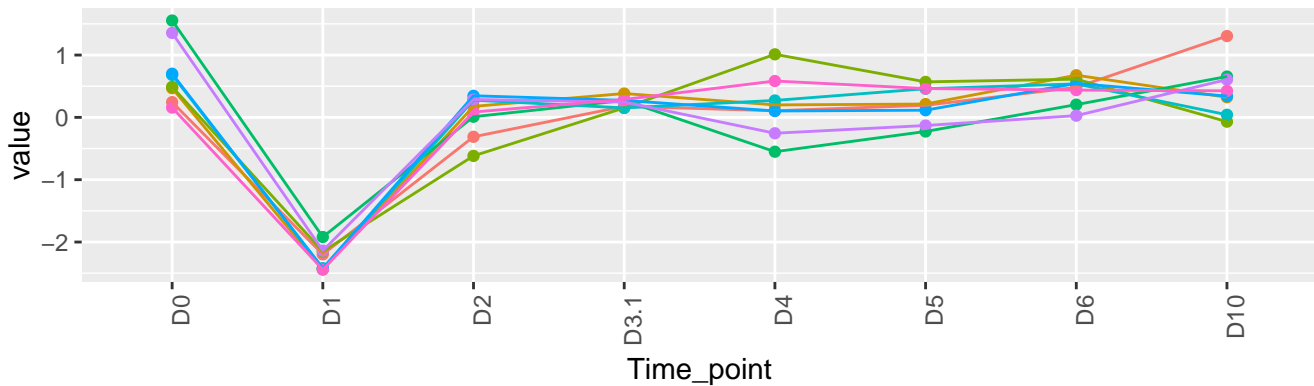
10 genes – WT-cluster-74–standardized



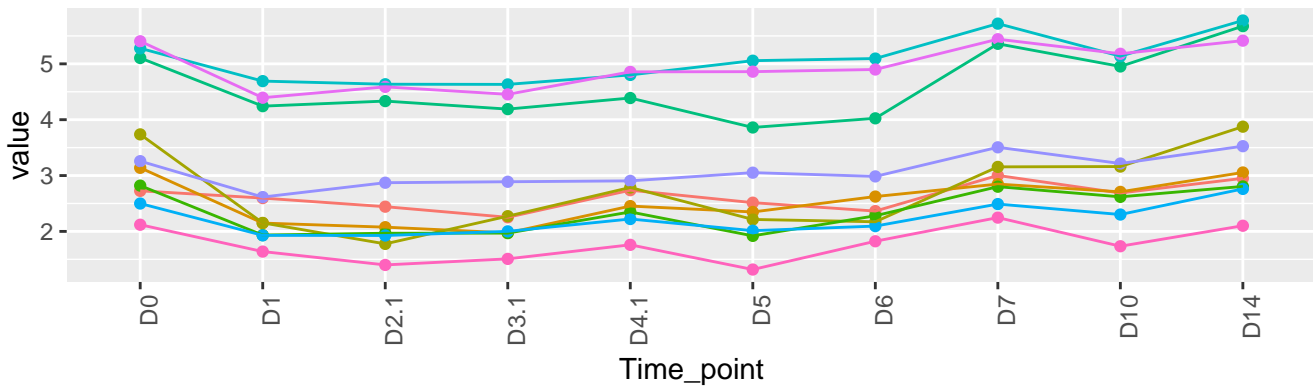
8 genes – KO-cluster-74-original



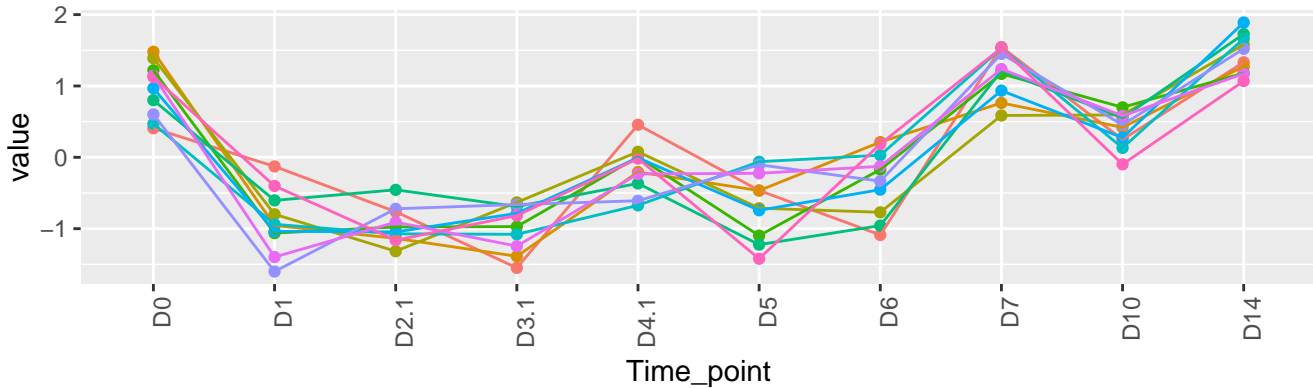
8 genes – KO-cluster-74-standardized



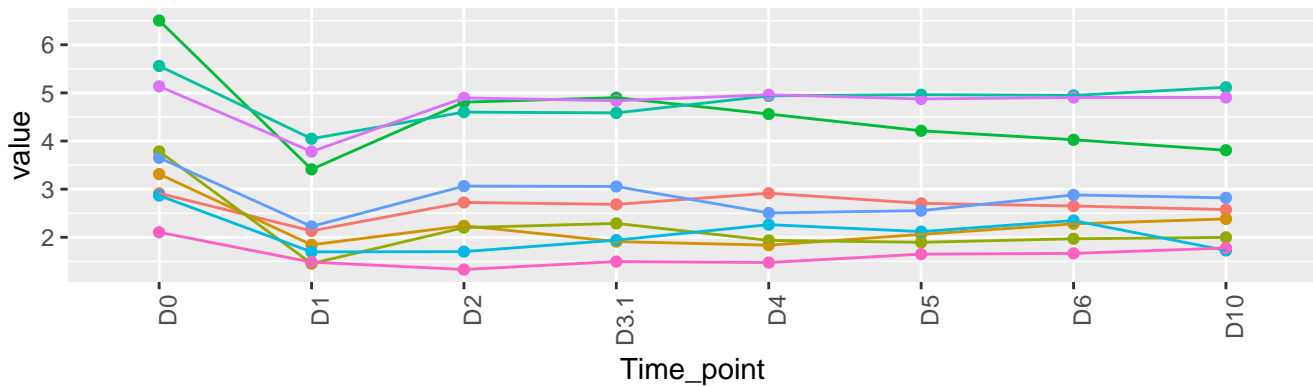
10 genes – WT-cluster-73-original



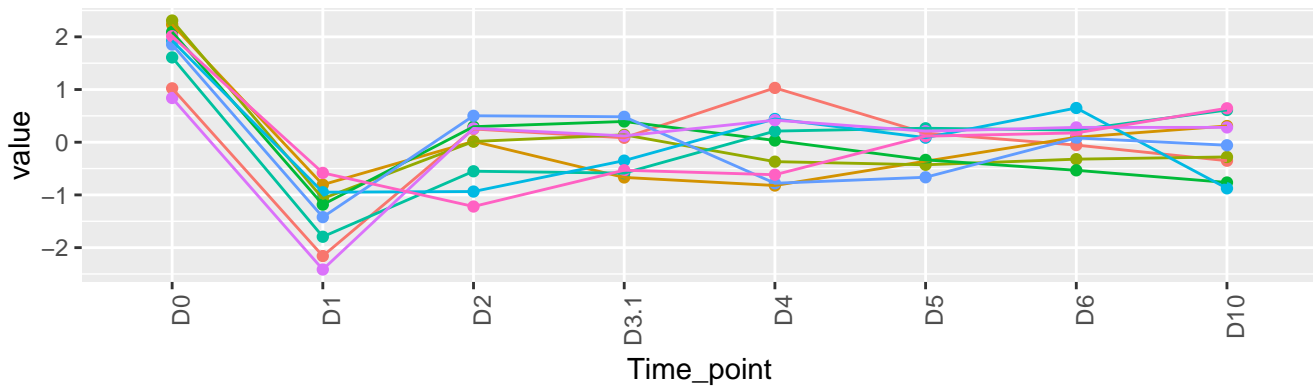
10 genes – WT-cluster-73-standardized



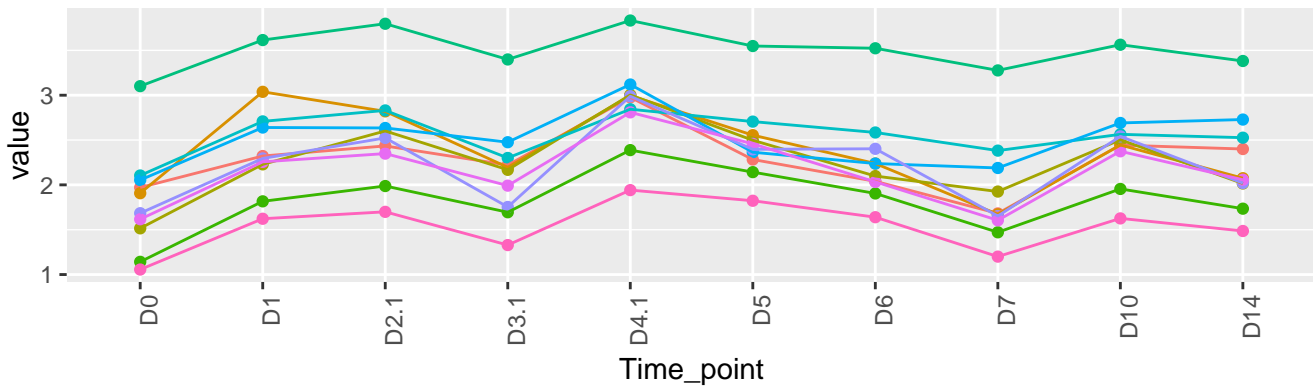
9 genes – KO-cluster-73-original



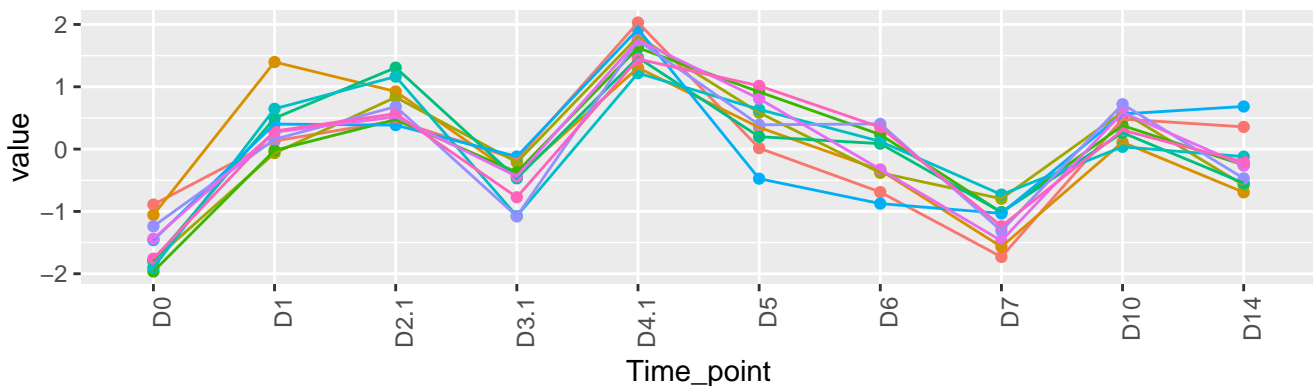
9 genes – KO-cluster-73-standardized



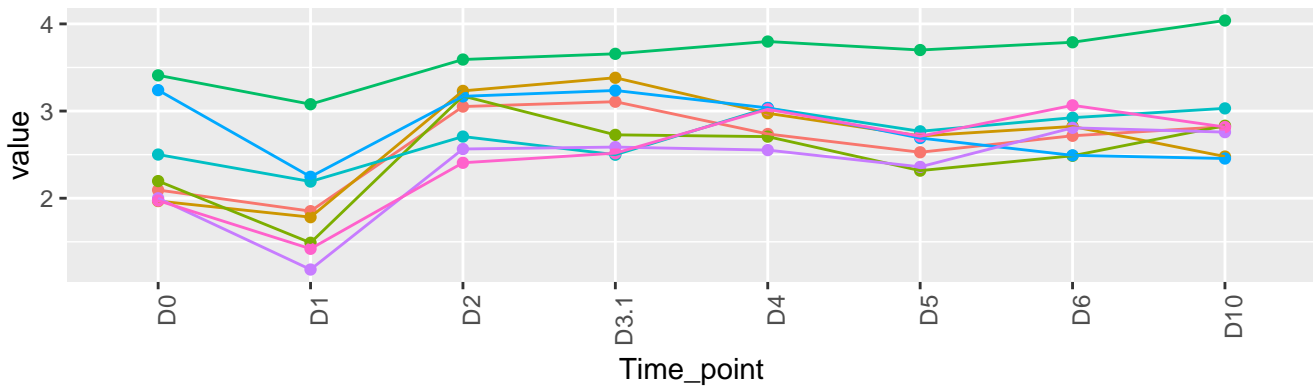
10 genes – WT-cluster-72-original



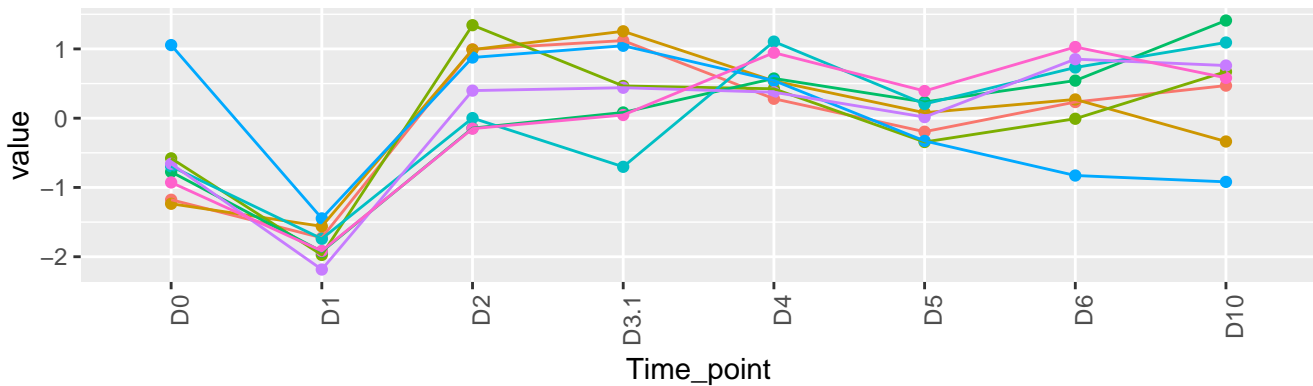
10 genes – WT-cluster-72-standardized



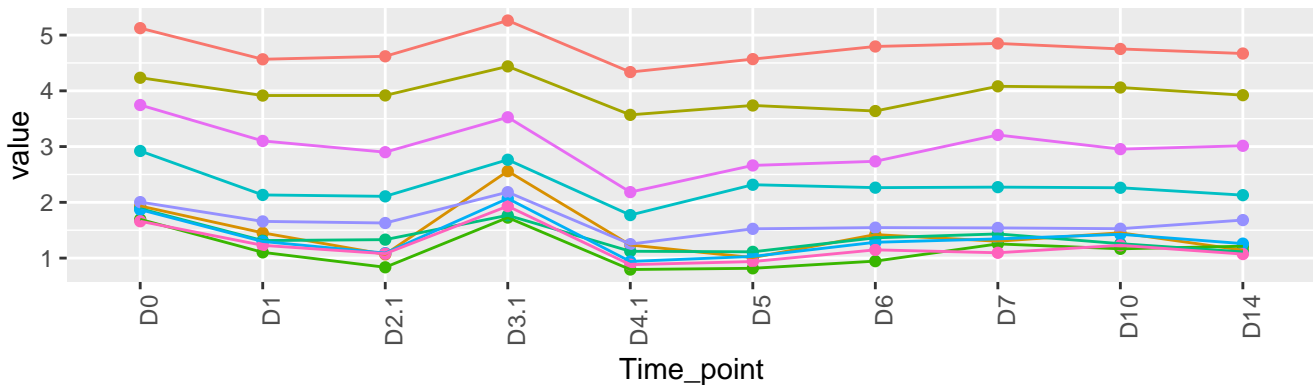
8 genes – KO-cluster-72-original



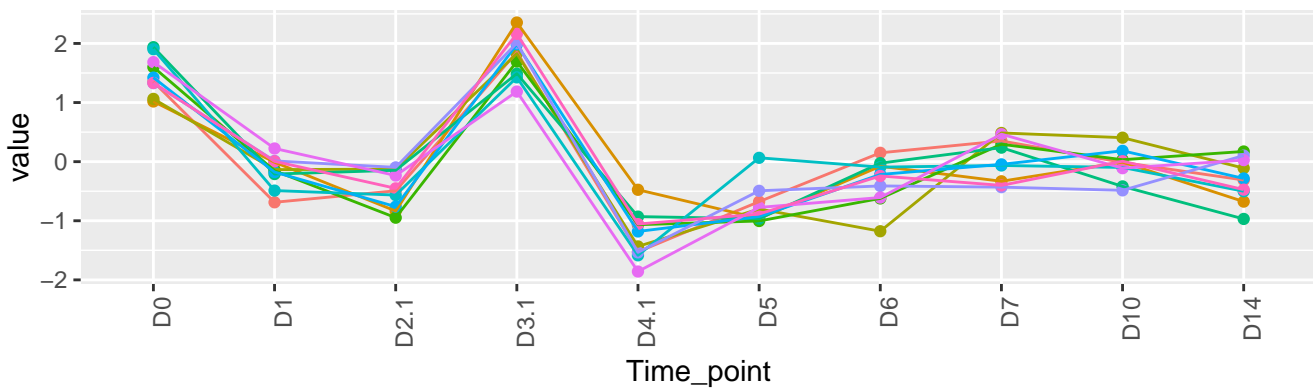
8 genes – KO-cluster-72-standardized



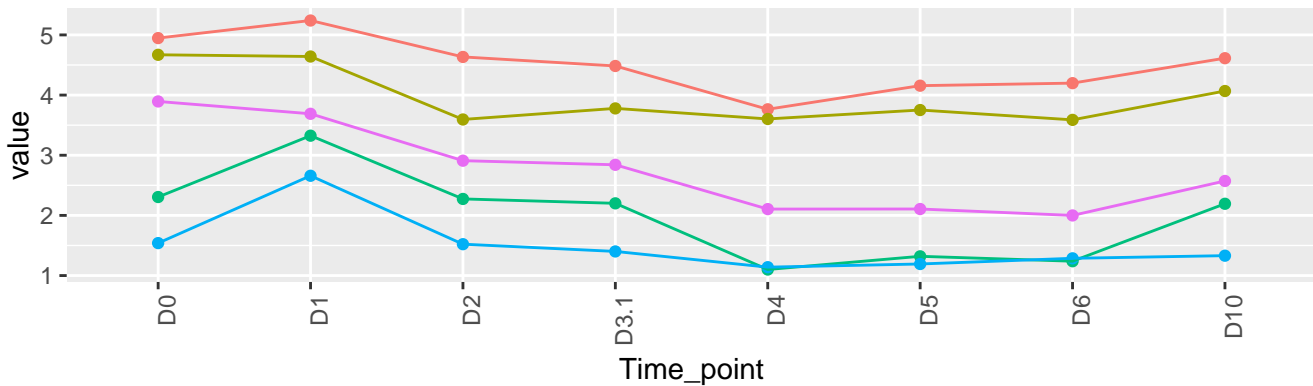
10 genes – WT-cluster-71-original



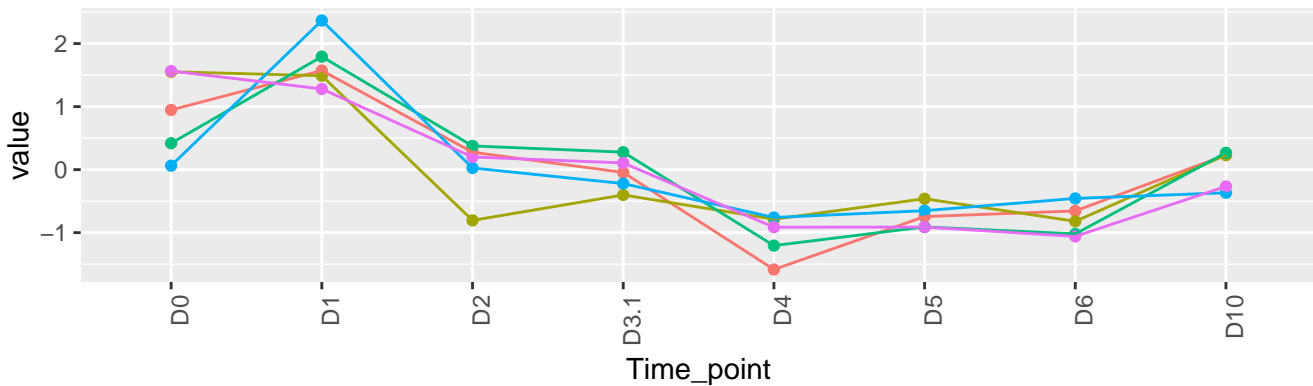
10 genes – WT-cluster-71-standardized



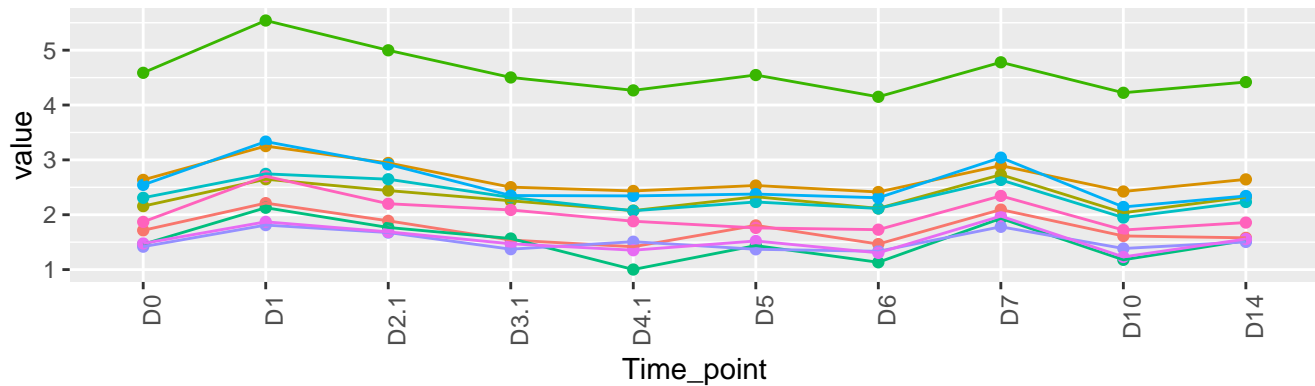
5 genes – KO-cluster-71-original



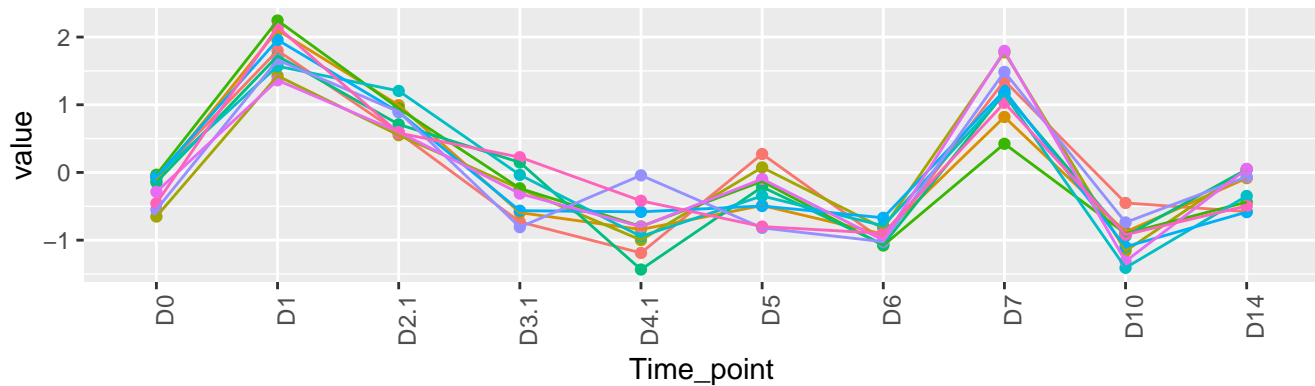
5 genes – KO-cluster-71-standardized



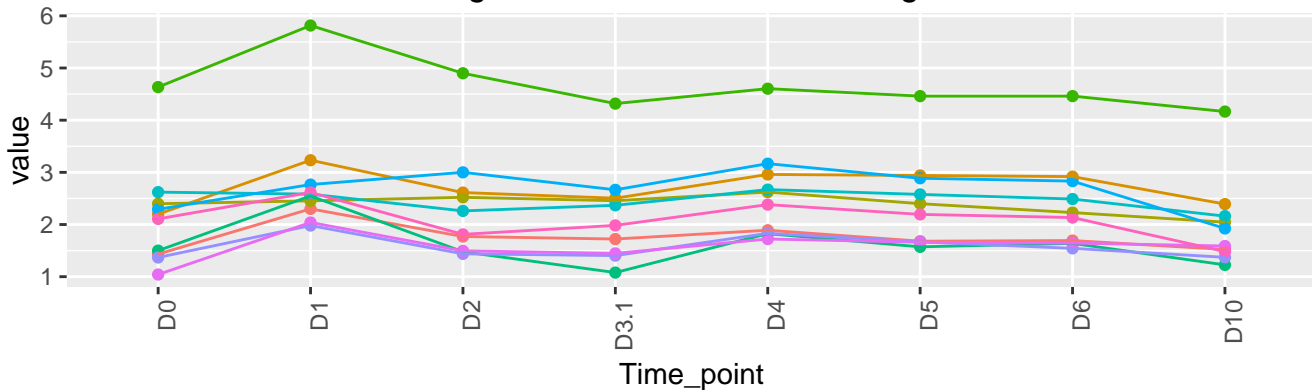
10 genes – WT-cluster-70-original



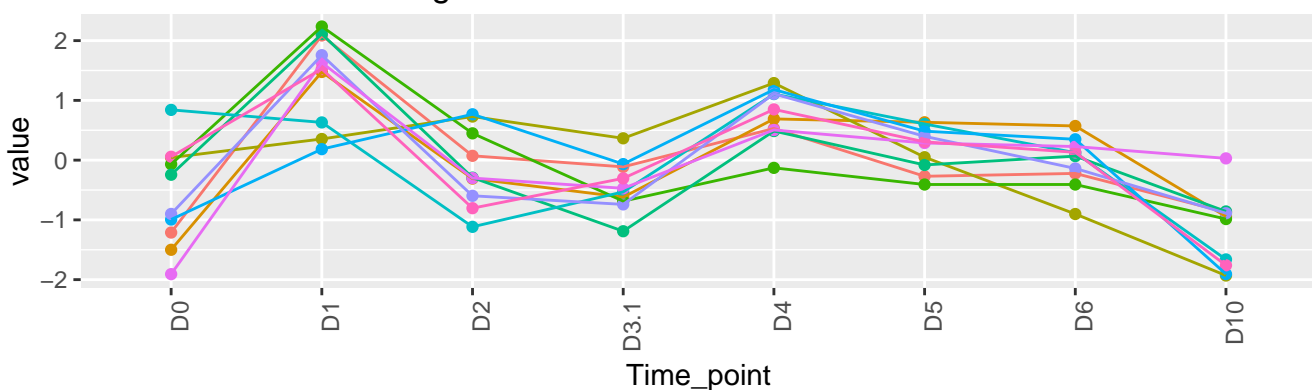
10 genes – WT-cluster-70-standardized



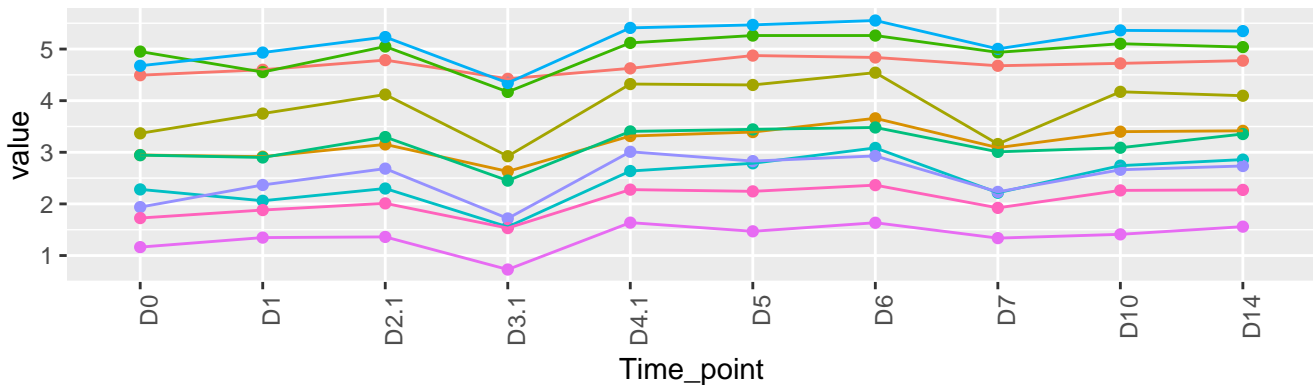
10 genes – KO-cluster-70-original



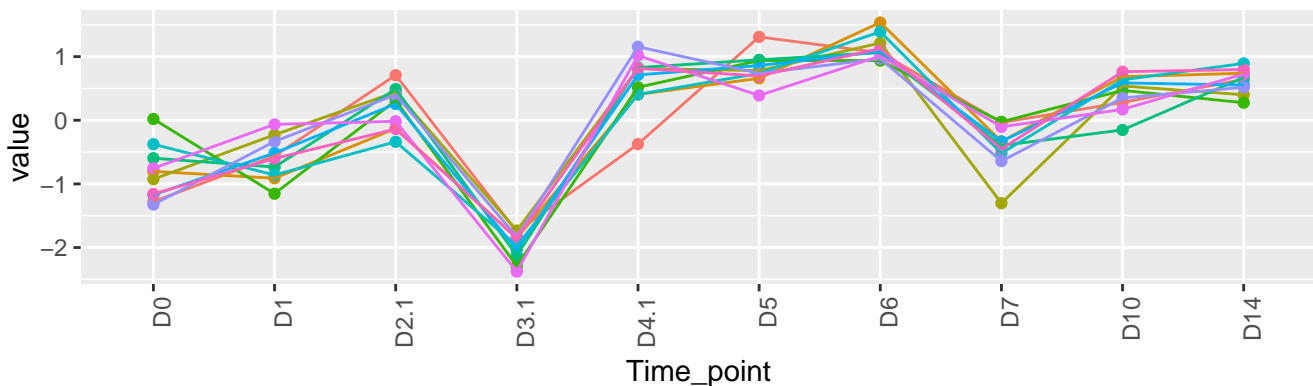
10_genes - KO-cluster-70-standardized



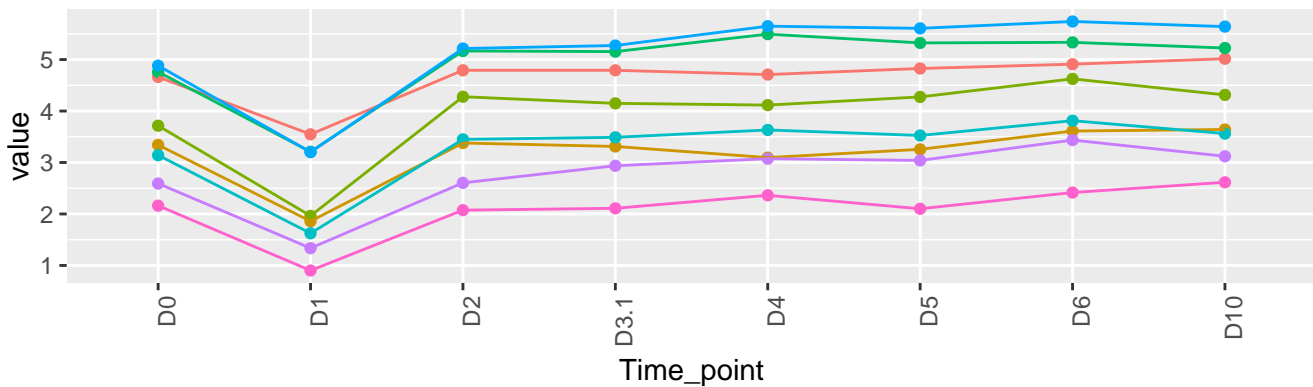
10 genes – WT-cluster-69-original



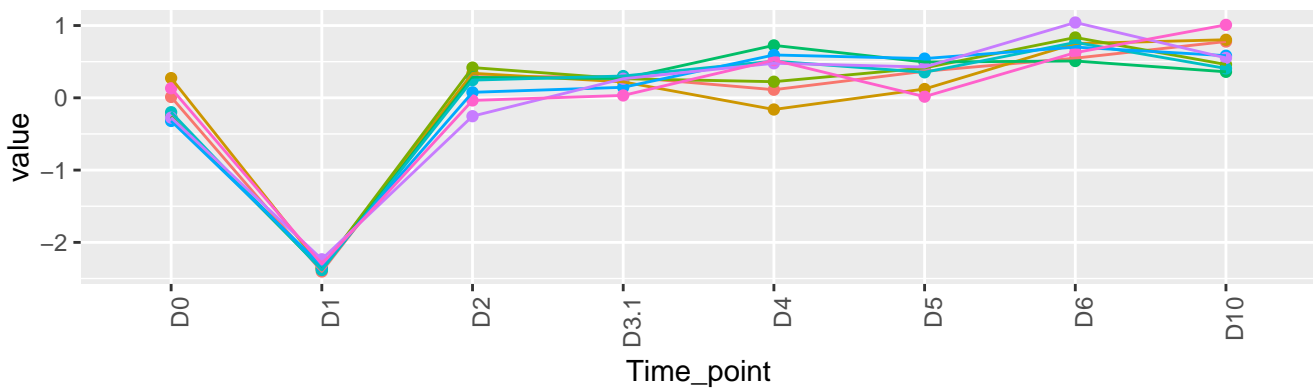
10 genes – WT-cluster-69-standardized



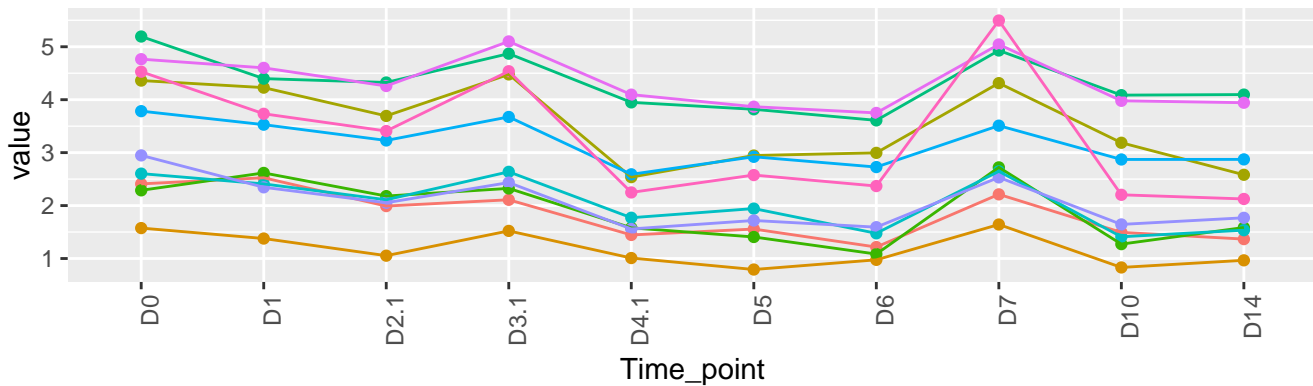
8 genes – KO-cluster-69-original



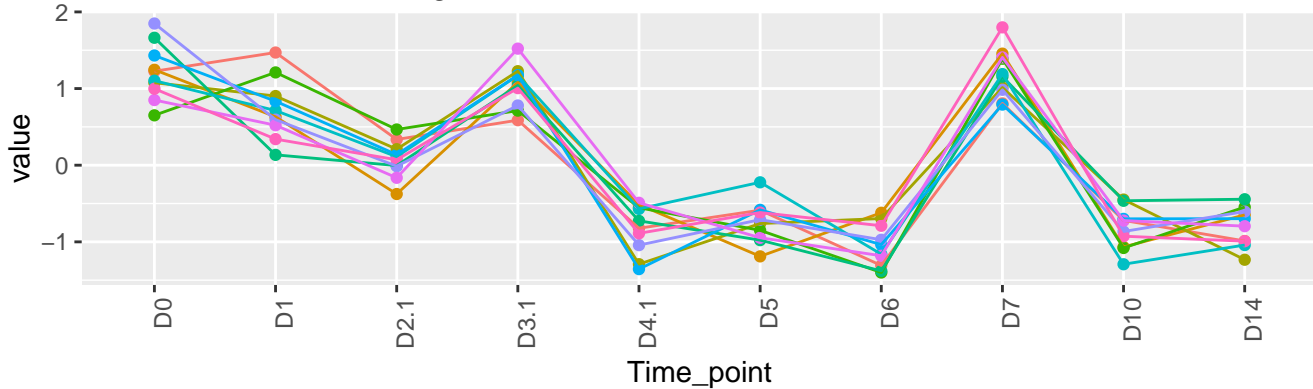
8 genes – KO-cluster-69-standardized



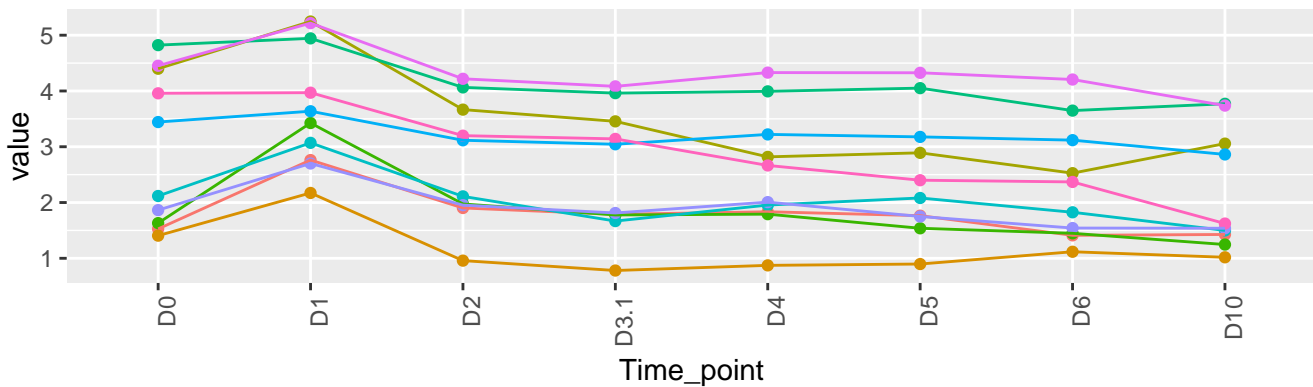
10 genes – WT-cluster-68-original



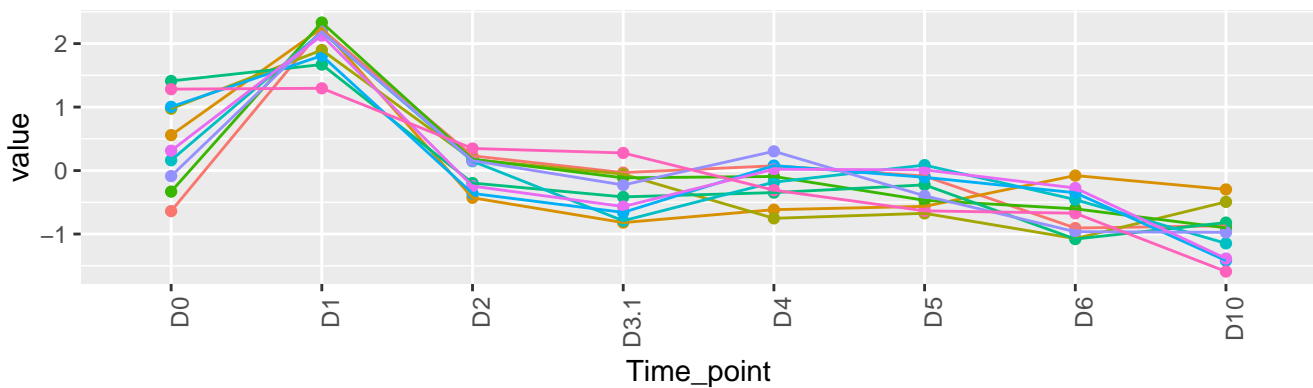
10 genes – WT-cluster-68-standardized



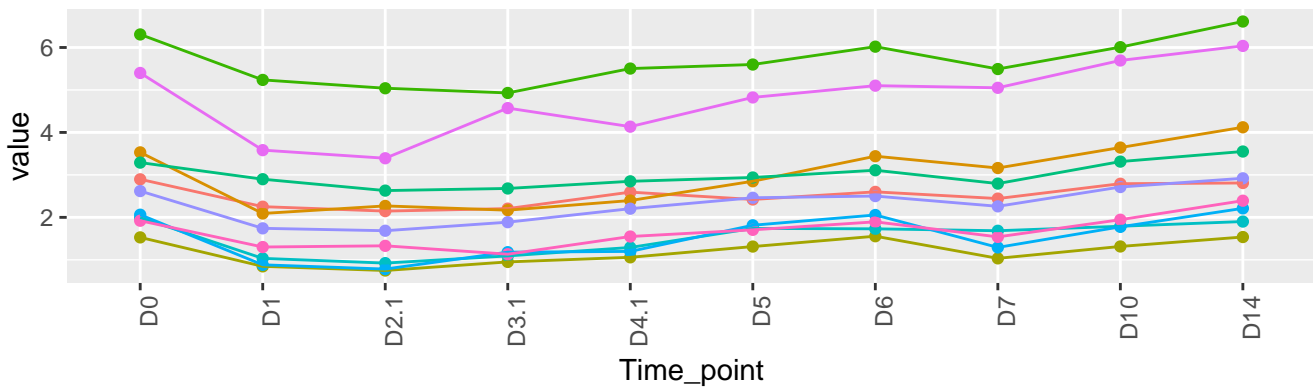
10 genes – KO-cluster-68–original



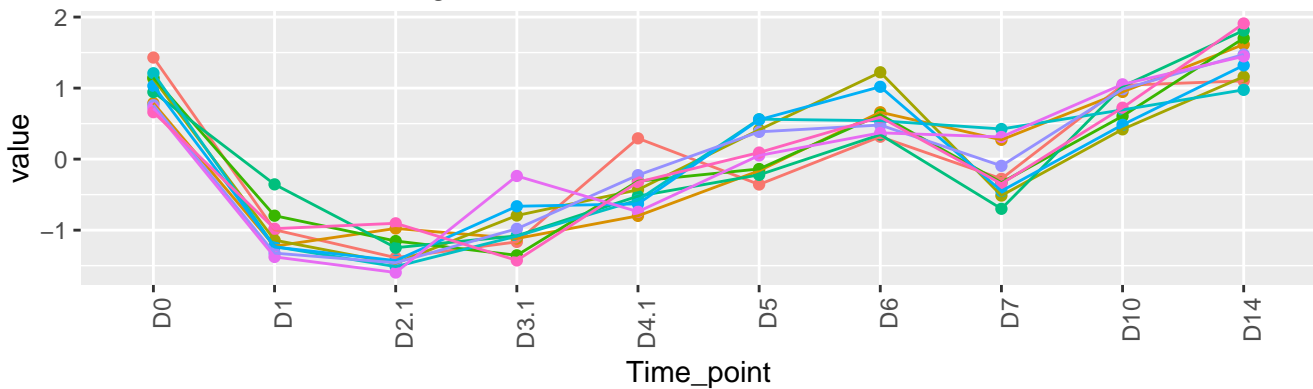
10 genes – KO-cluster-68–standardized



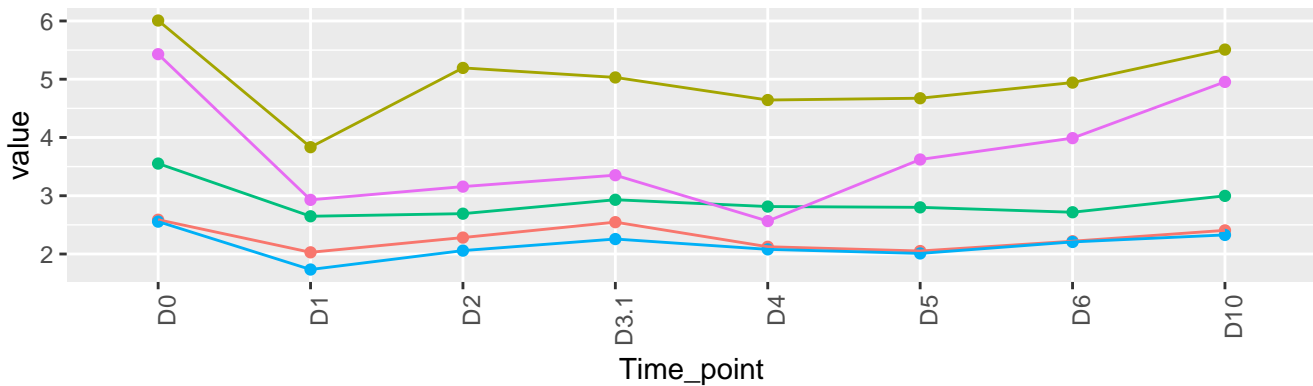
10 genes – WT-cluster-67-original



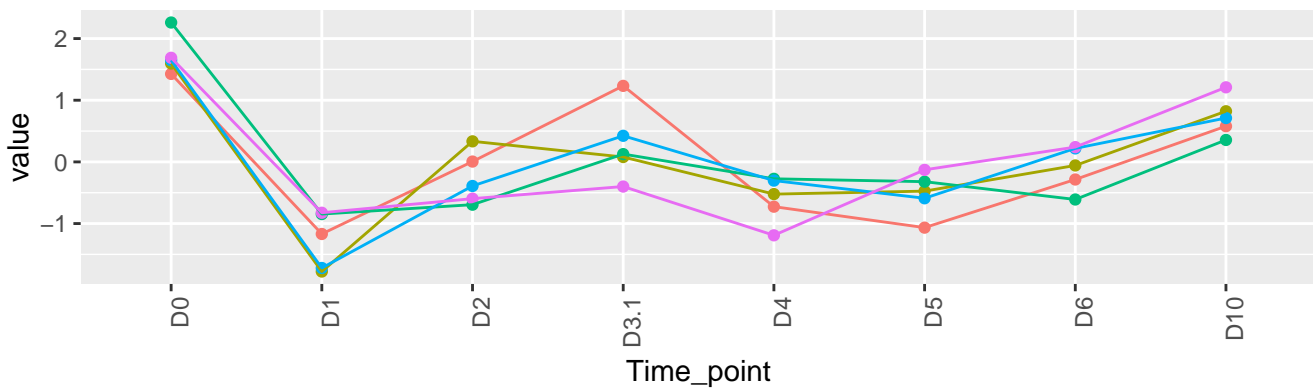
10 genes – WT-cluster-67-standardized



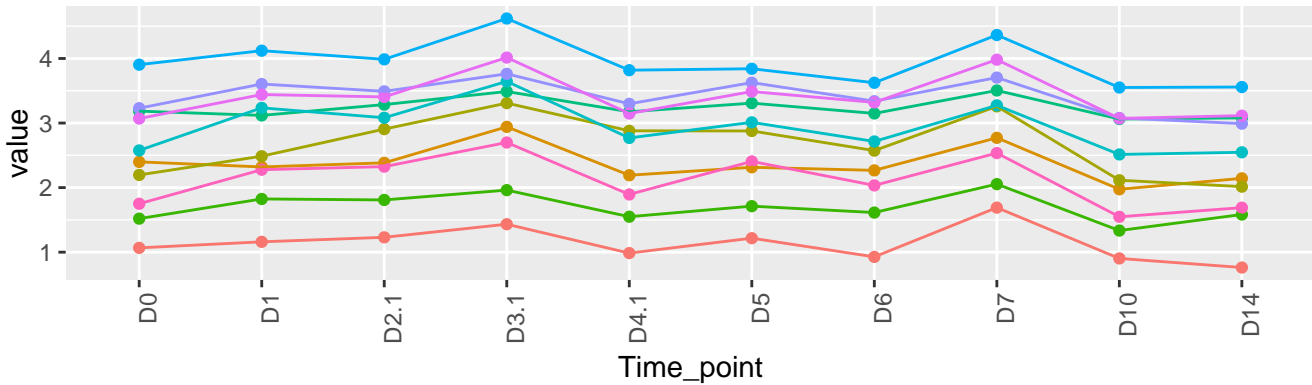
5 genes – KO-cluster-67-original



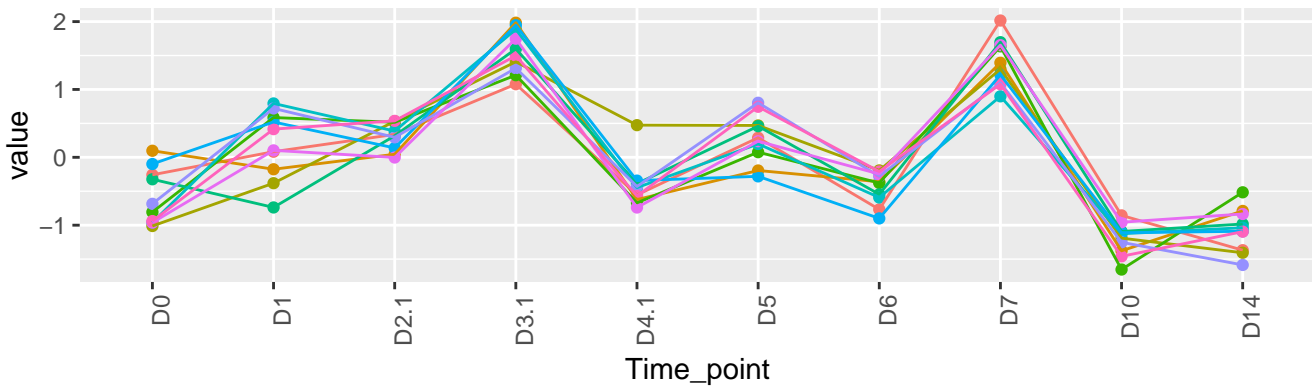
5 genes – KO-cluster-67-standardized



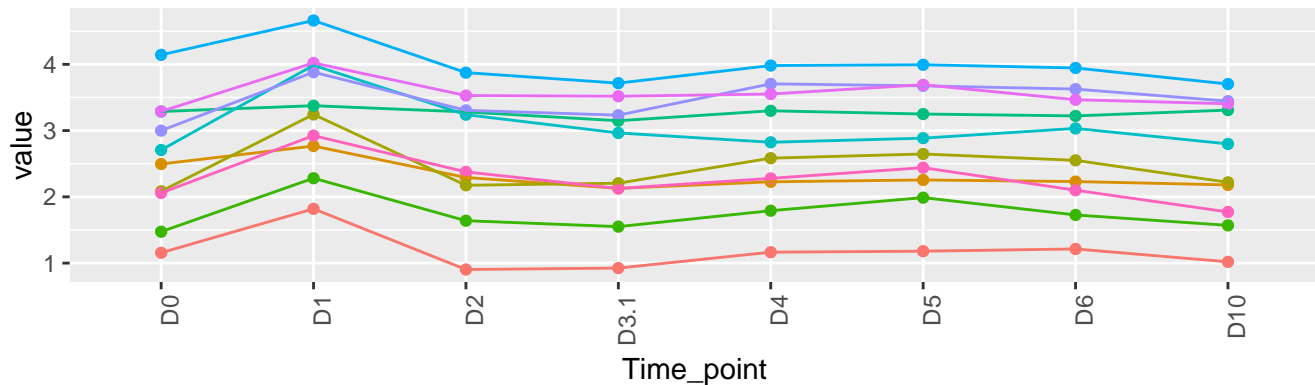
10 genes – WT-cluster-66-original



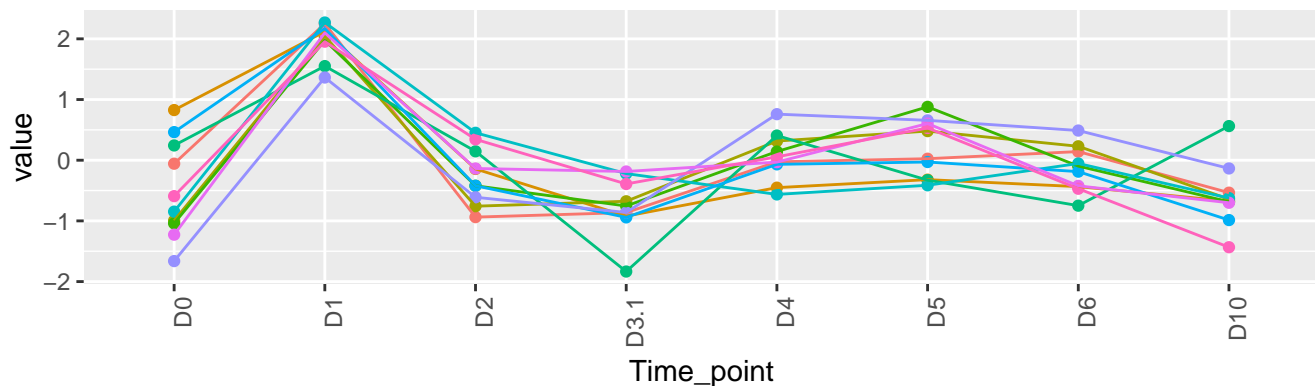
10 genes – WT-cluster-66-standardized



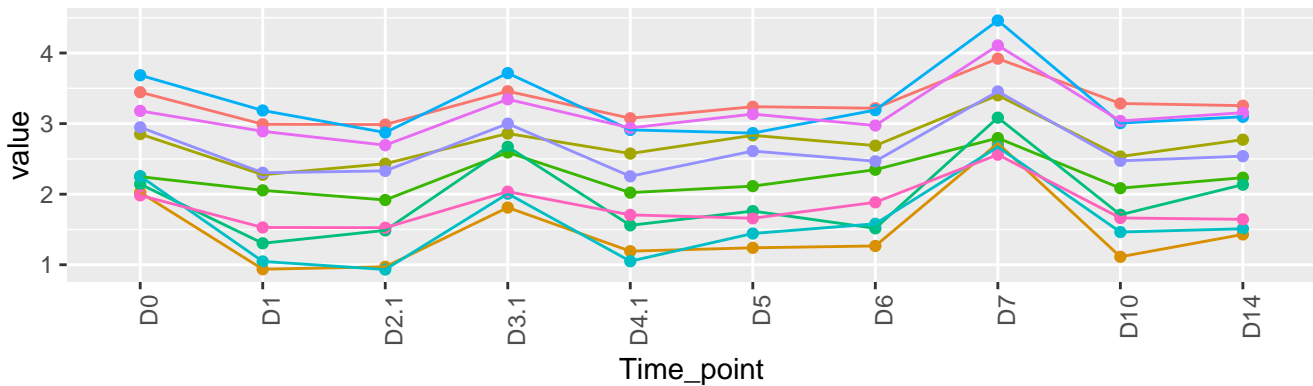
10 genes – KO-cluster-66–original



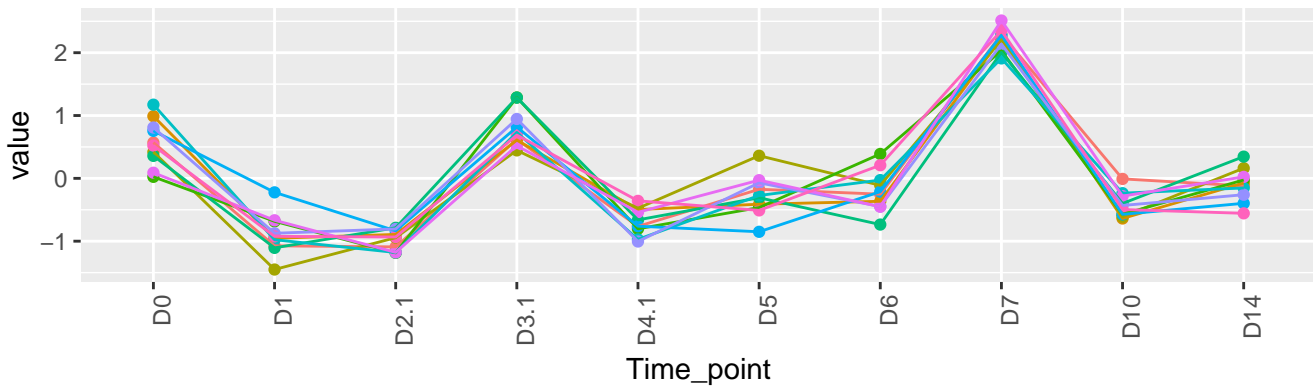
10 genes – KO-cluster-66–standardized



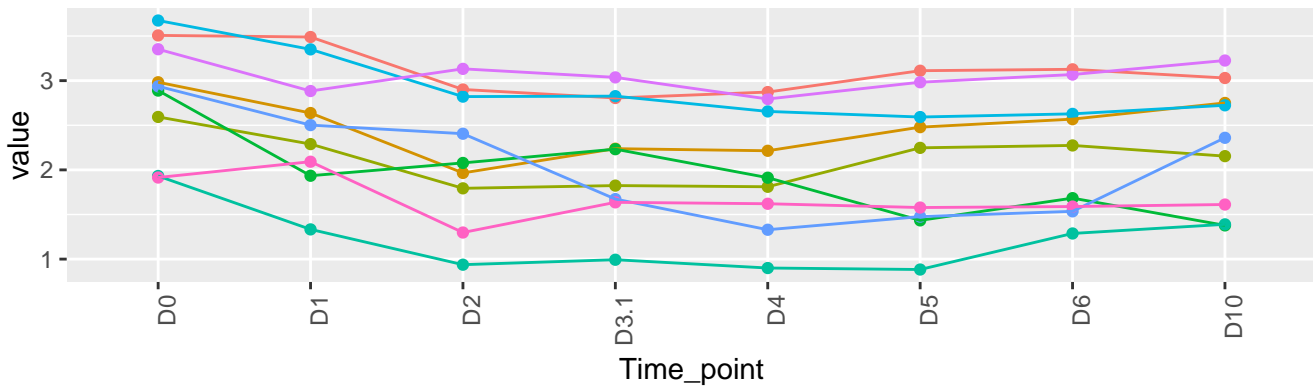
10 genes – WT-cluster-65-original



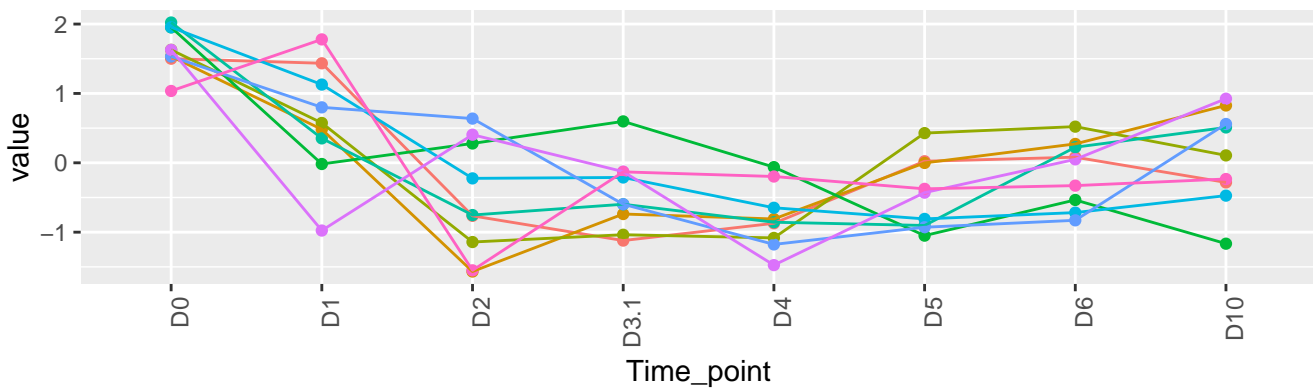
10 genes – WT-cluster-65-standardized



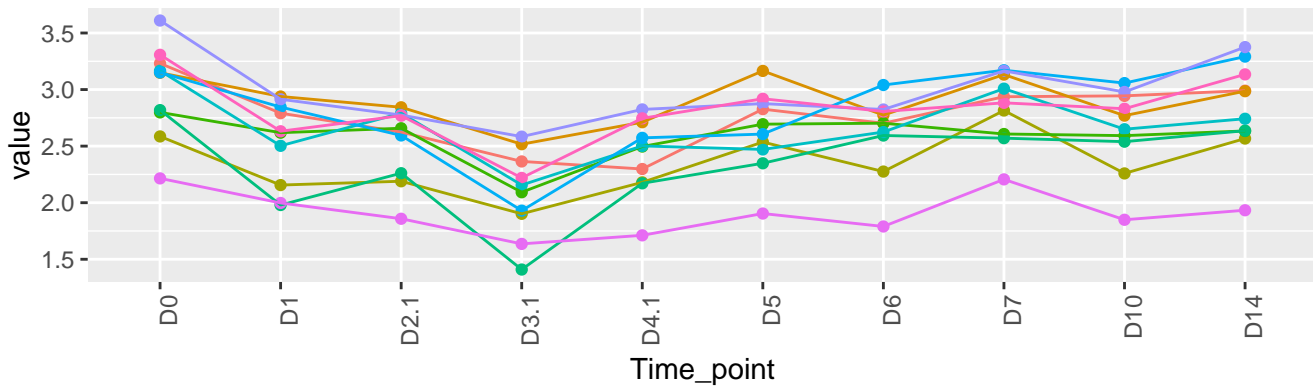
9 genes – KO-cluster-65-original



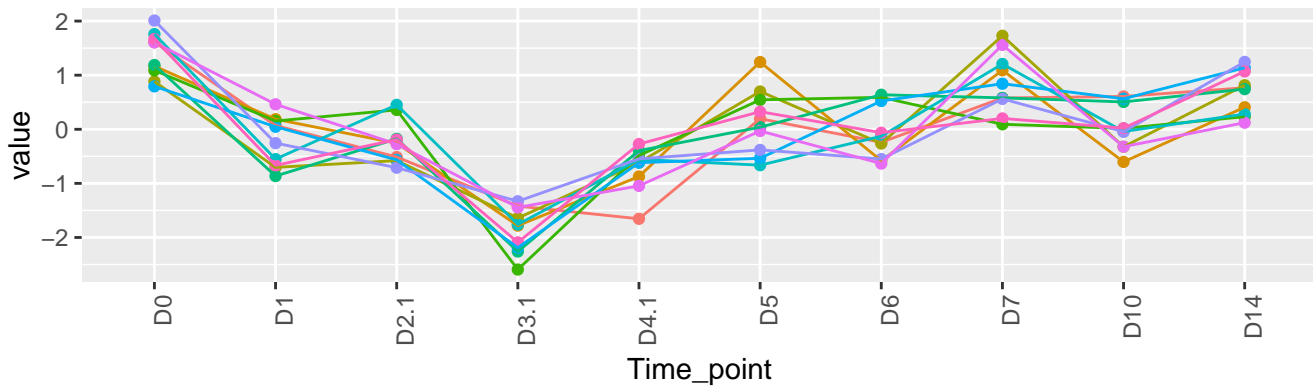
9 genes – KO-cluster-65-standardized



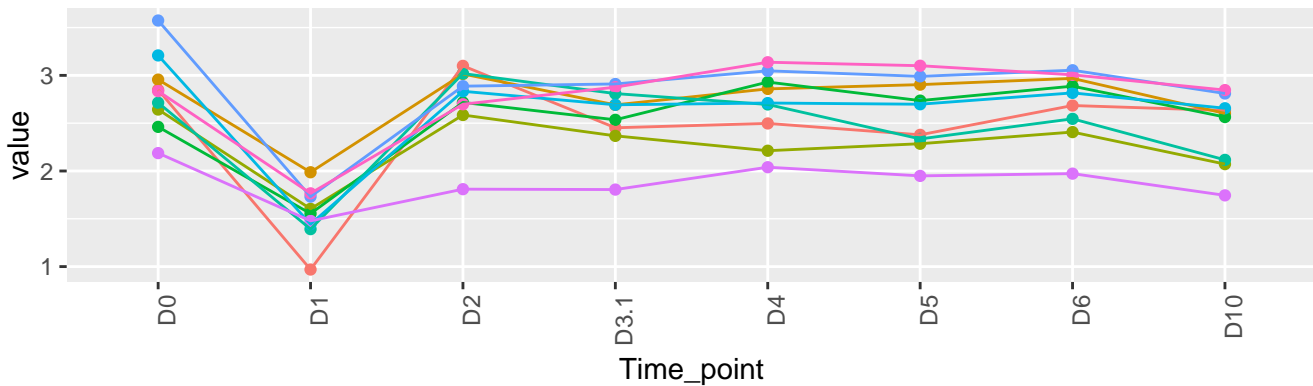
10 genes – WT-cluster-64-original



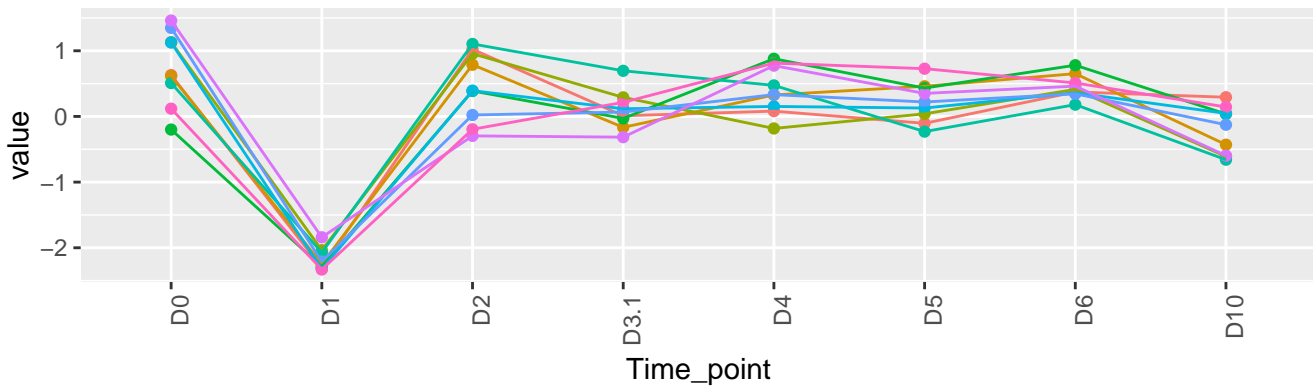
10 genes – WT-cluster-64-standardized



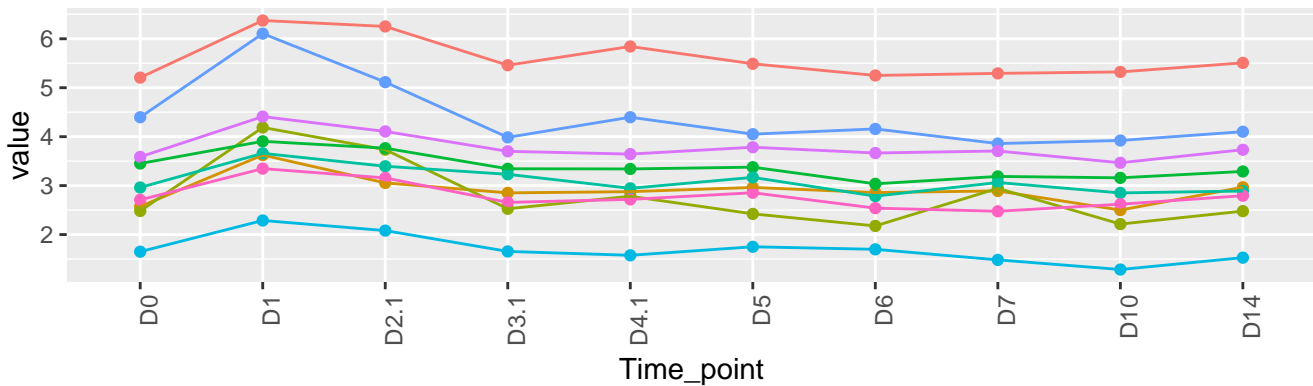
9 genes – KO-cluster-64-original



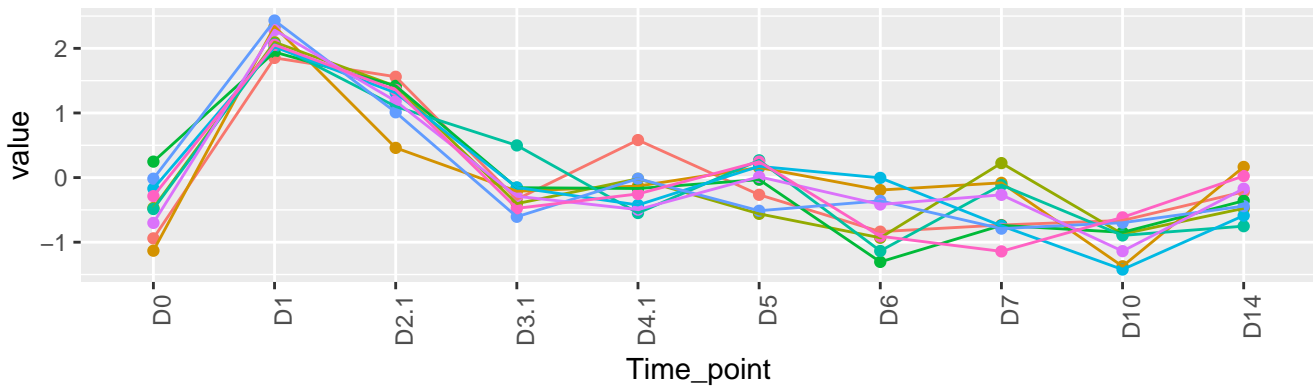
9 genes – KO-cluster-64-standardized



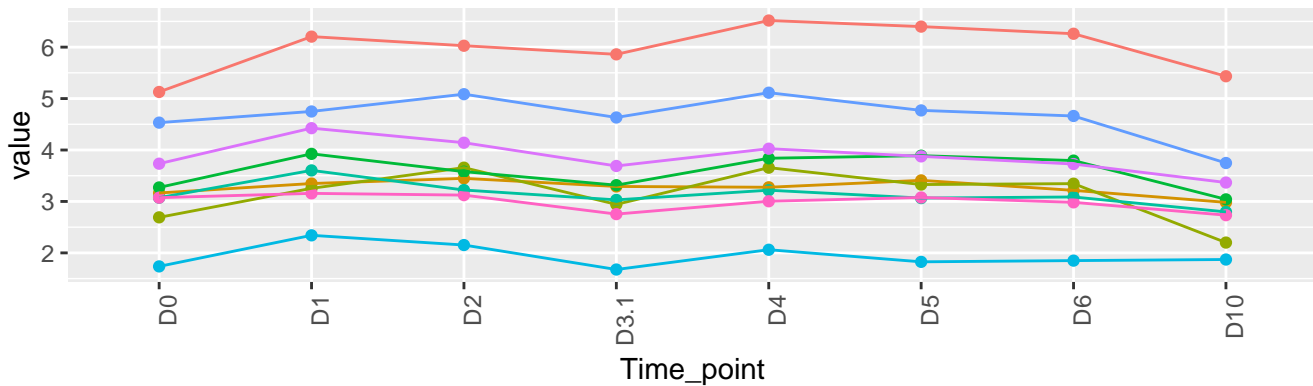
9 genes – WT-cluster-63-original



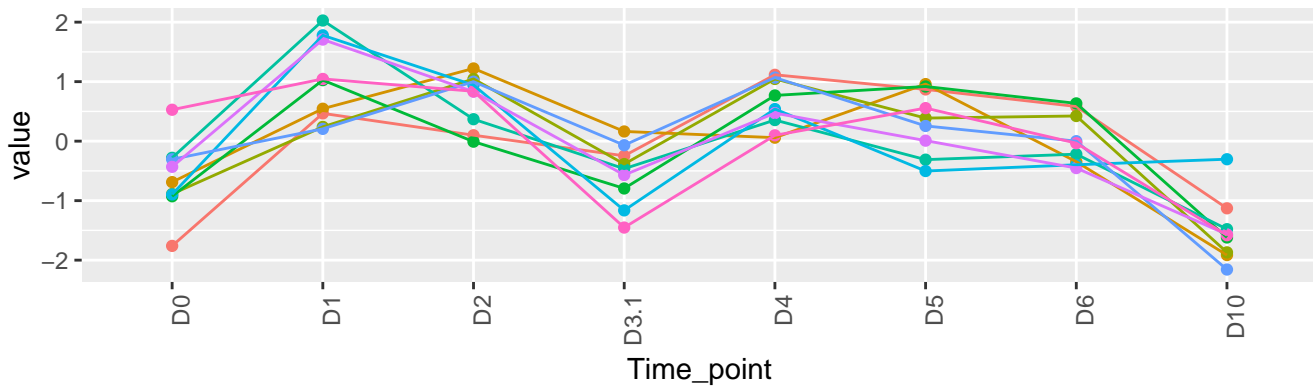
9 genes – WT-cluster-63-standardized



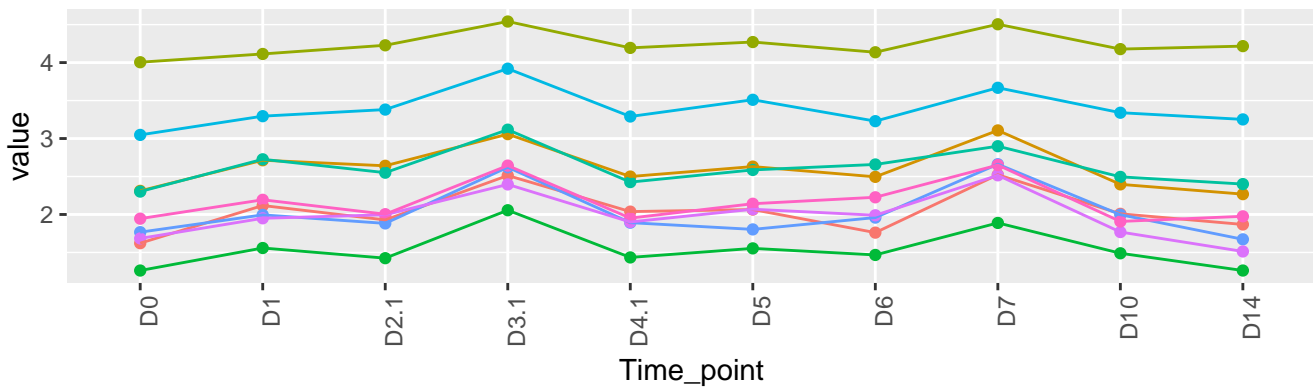
9 genes – KO-cluster-63-original



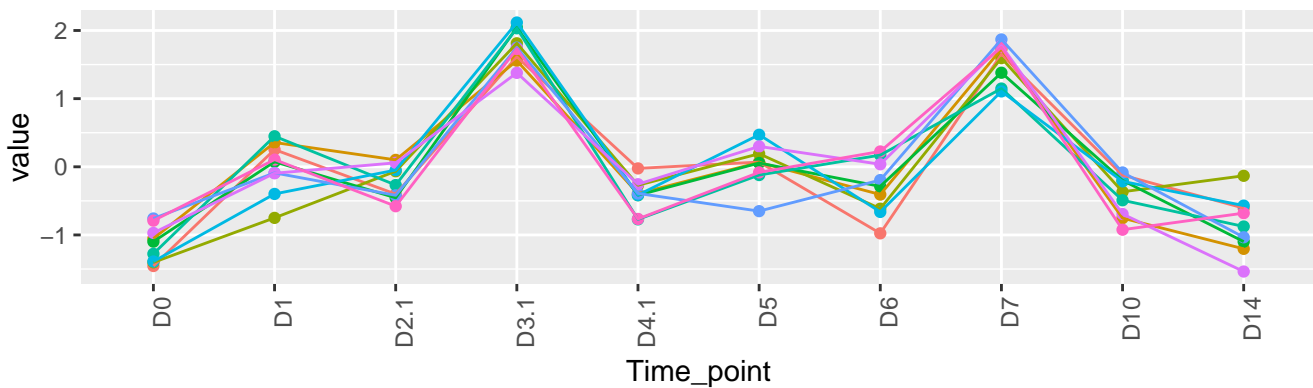
9 genes – KO-cluster-63-standardized



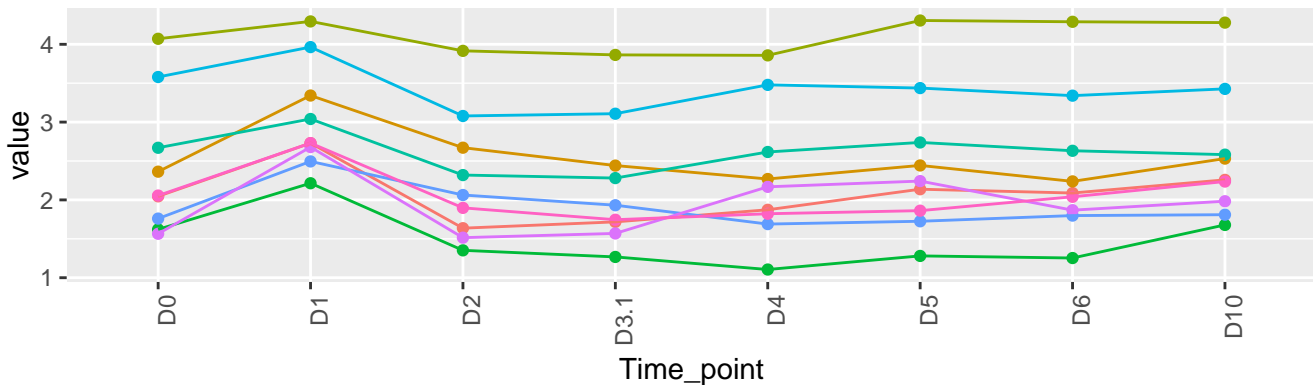
9 genes – WT-cluster-62-original



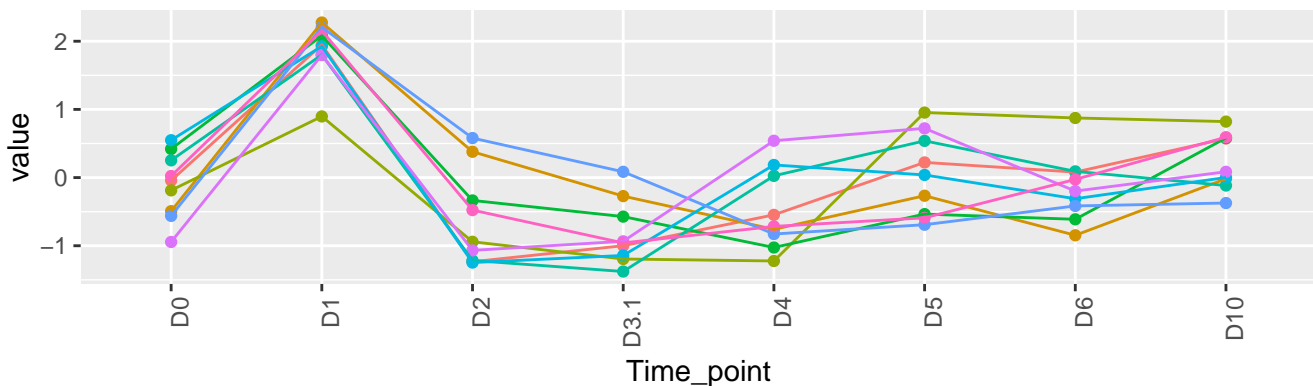
9 genes – WT-cluster-62-standardized



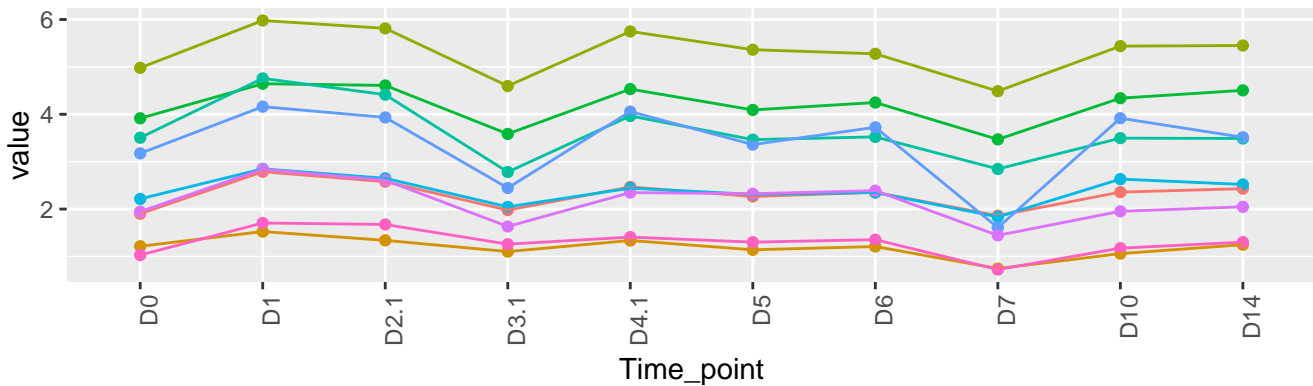
9 genes – KO-cluster-62-original



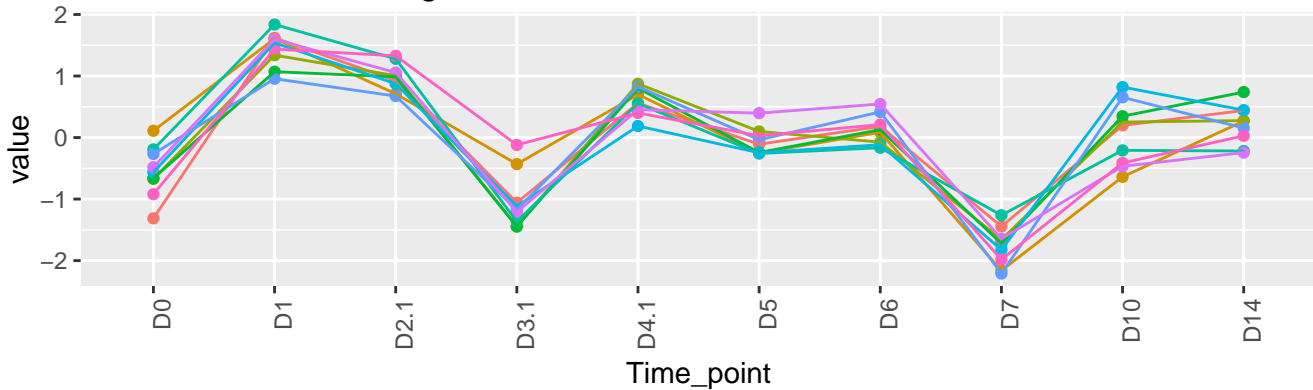
9 genes – KO-cluster-62-standardized



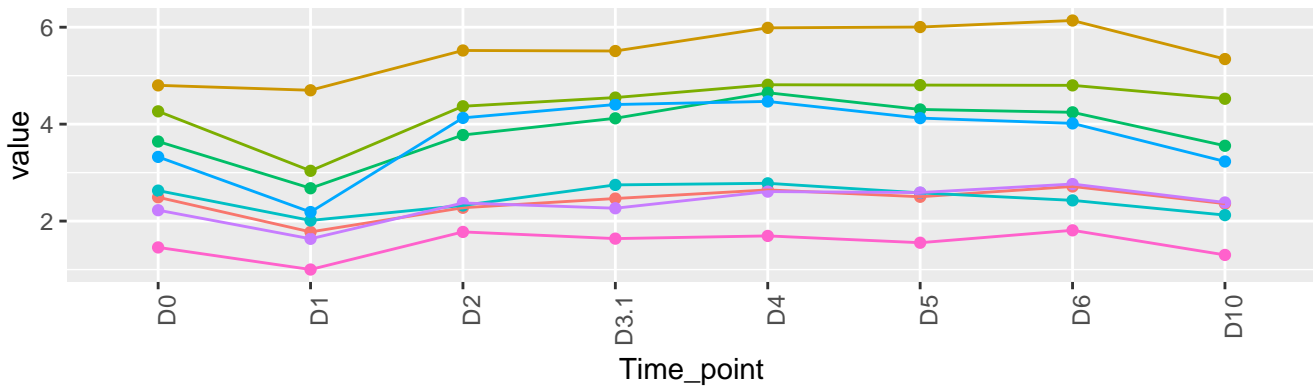
9 genes – WT-cluster-61-original



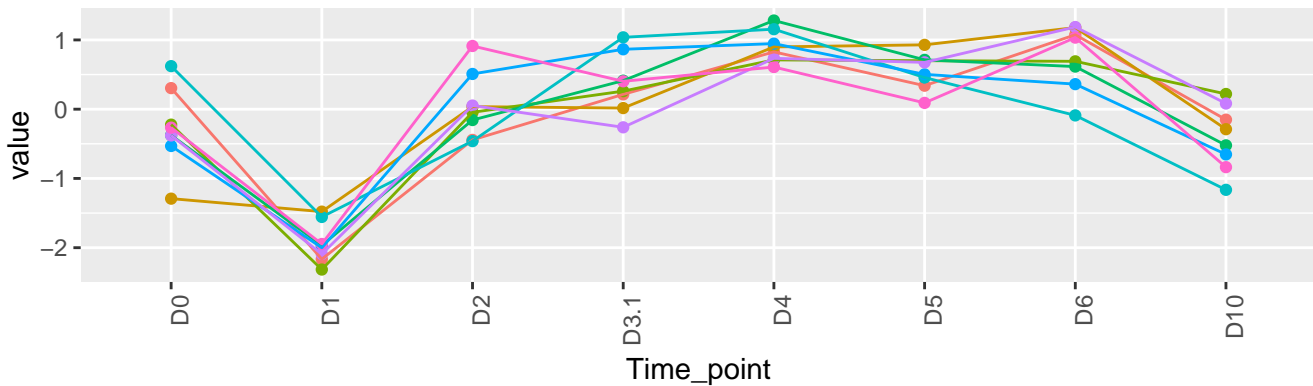
9 genes – WT-cluster-61-standardized



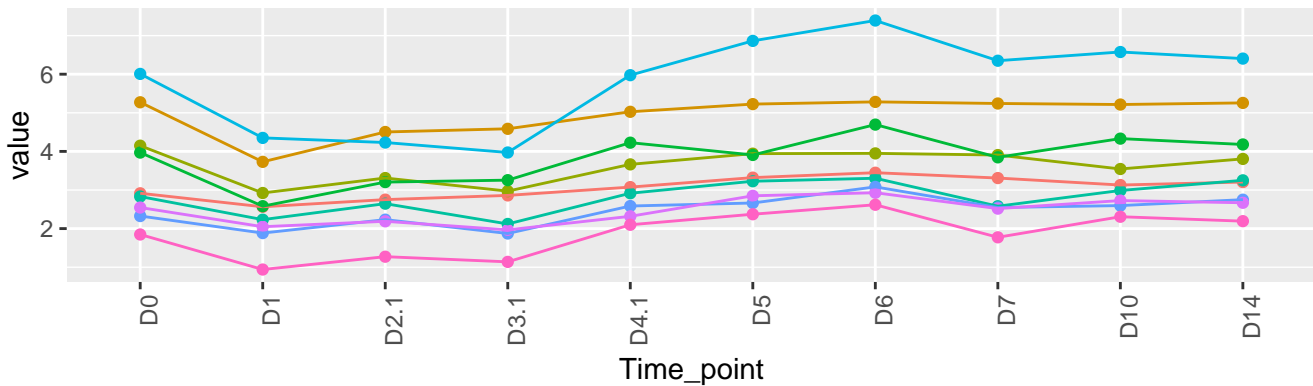
8 genes – KO-cluster-61-original



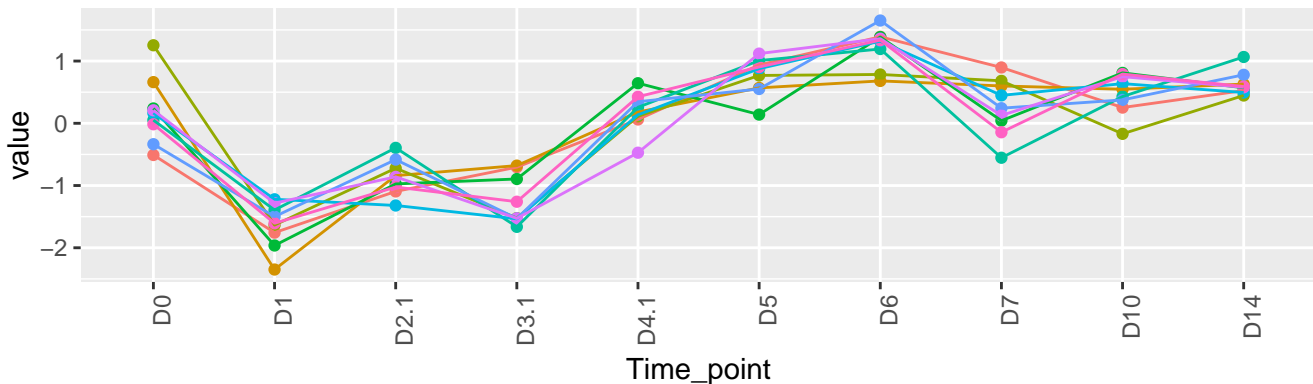
8 genes – KO-cluster-61-standardized



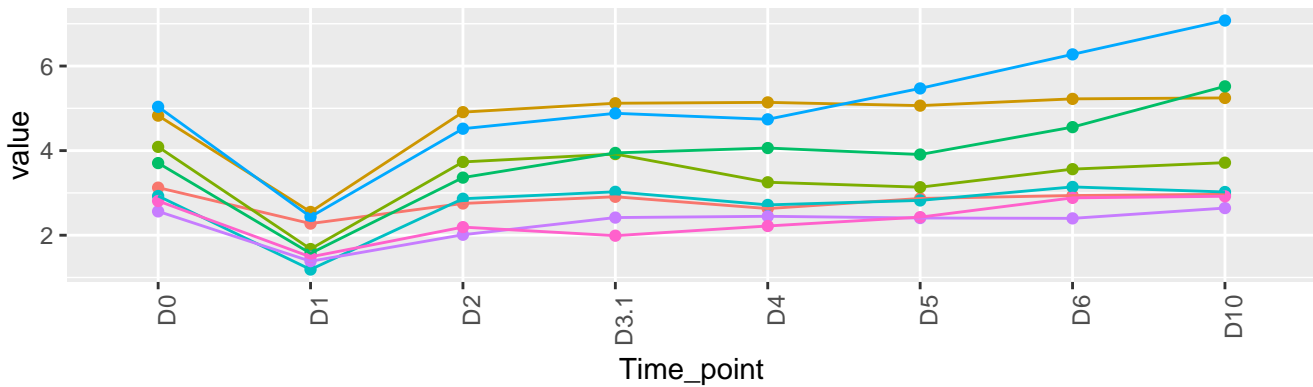
9 genes – WT-cluster-60-original



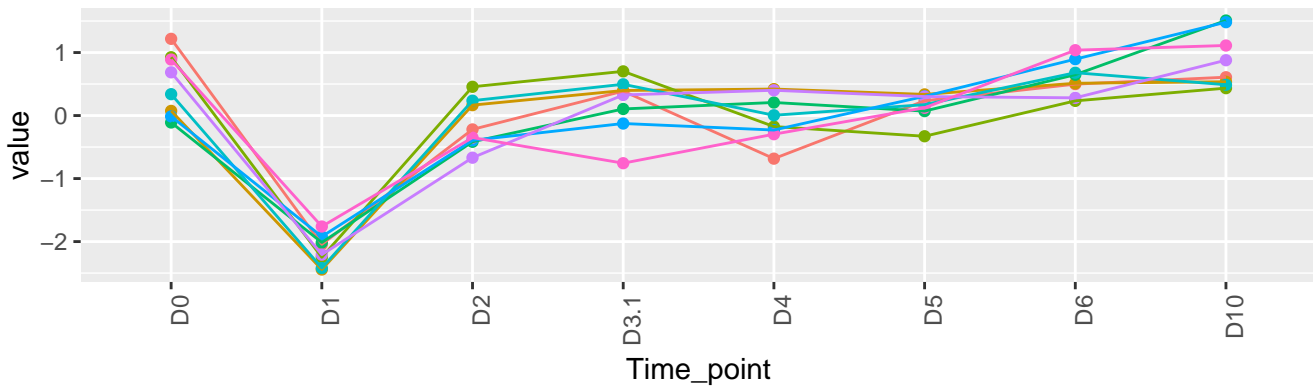
9 genes – WT-cluster-60-standardized



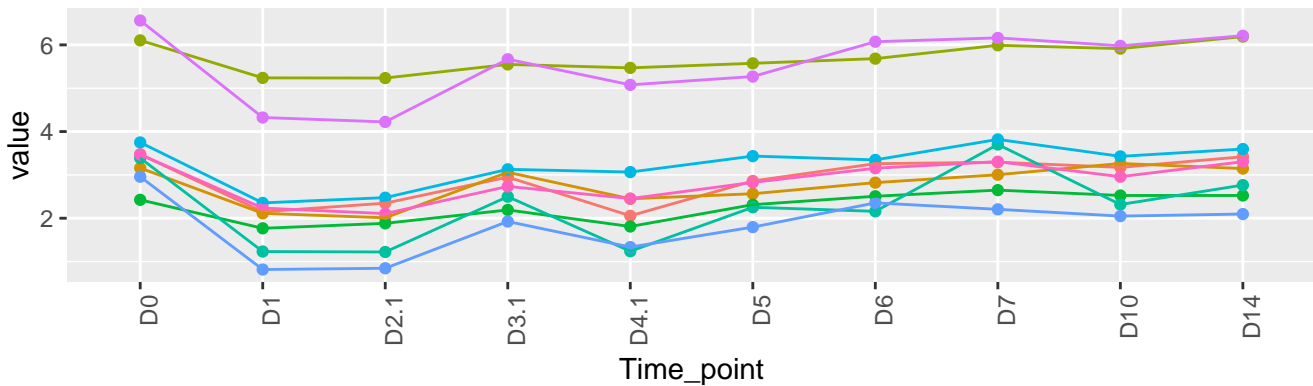
8 genes – KO-cluster-60-original



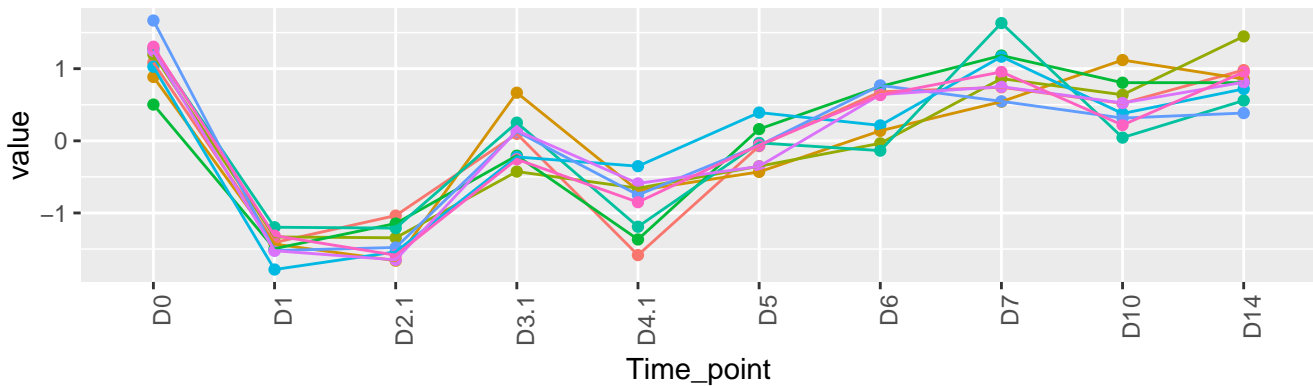
8 genes – KO-cluster-60-standardized



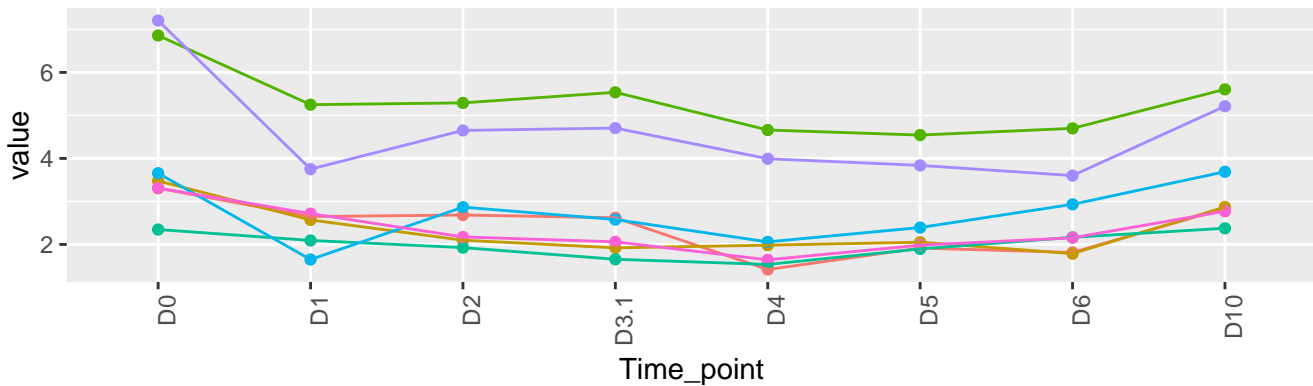
9 genes – WT-cluster-59-original



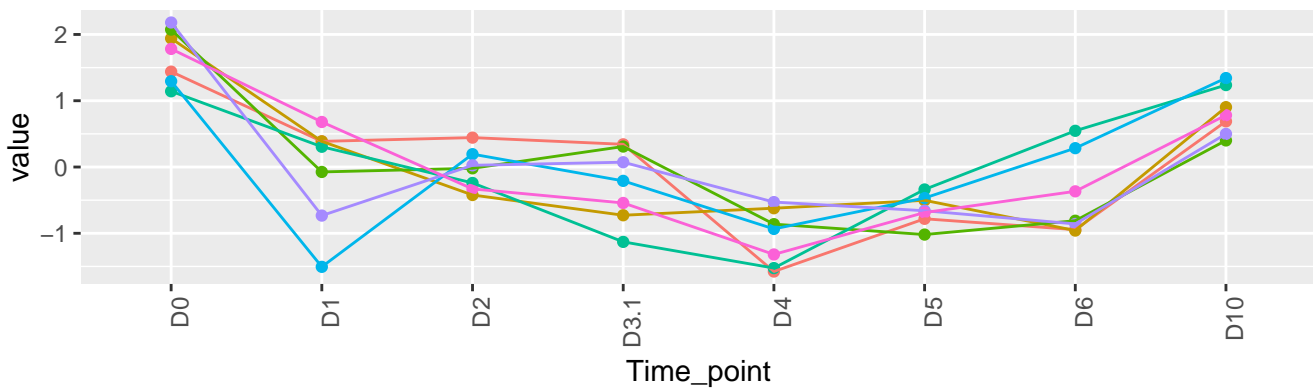
9 genes – WT-cluster-59-standardized



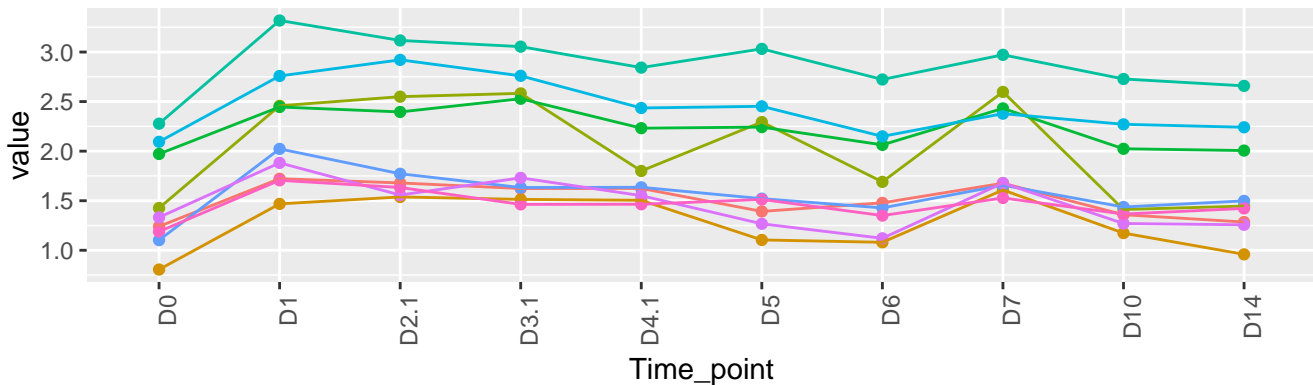
7 genes – KO-cluster-59-original



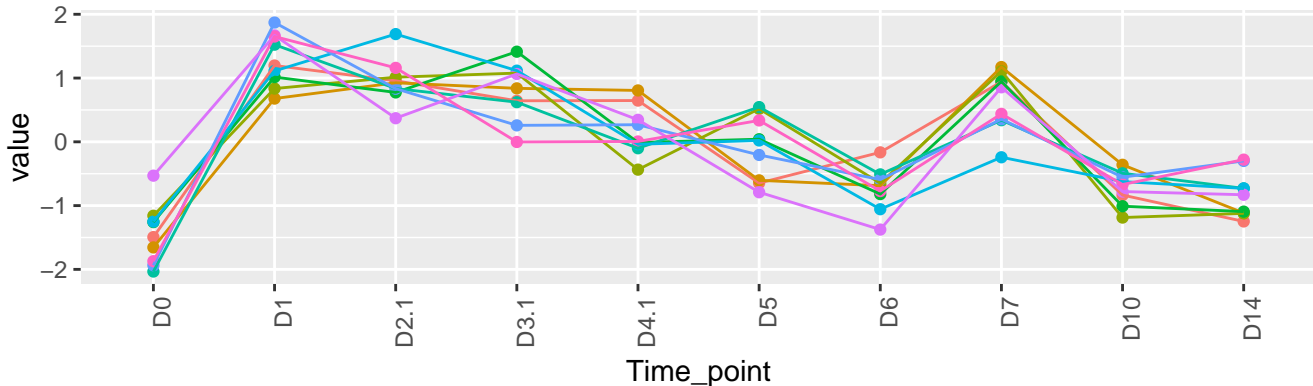
7 genes – KO-cluster-59-standardized



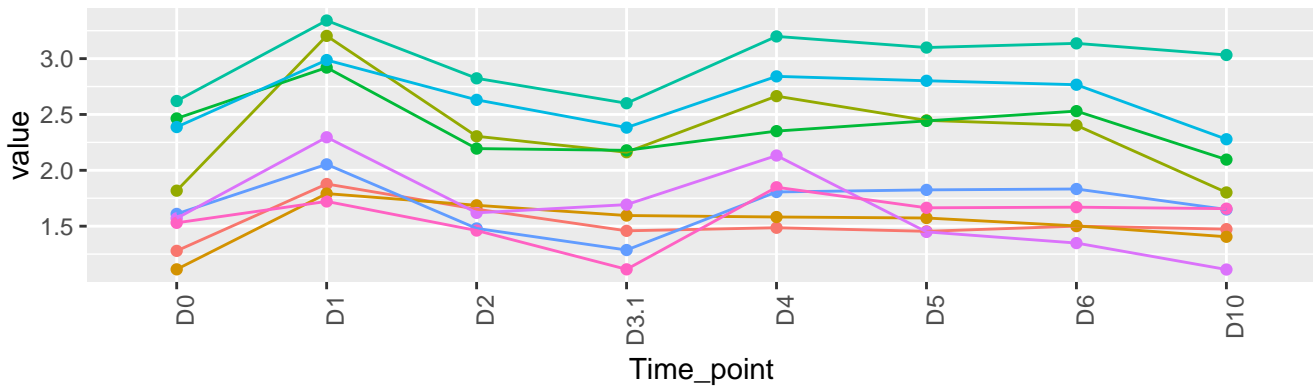
9 genes – WT-cluster-58-original



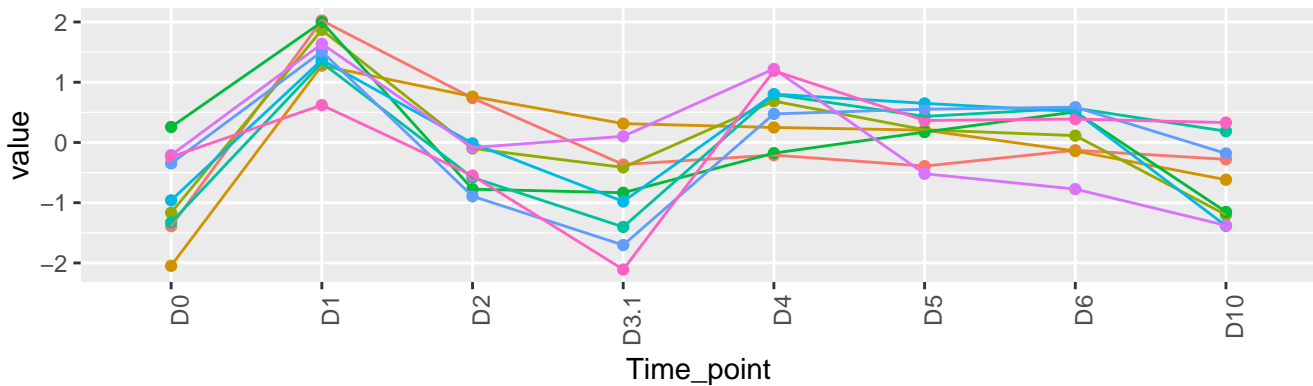
9 genes – WT-cluster-58-standardized



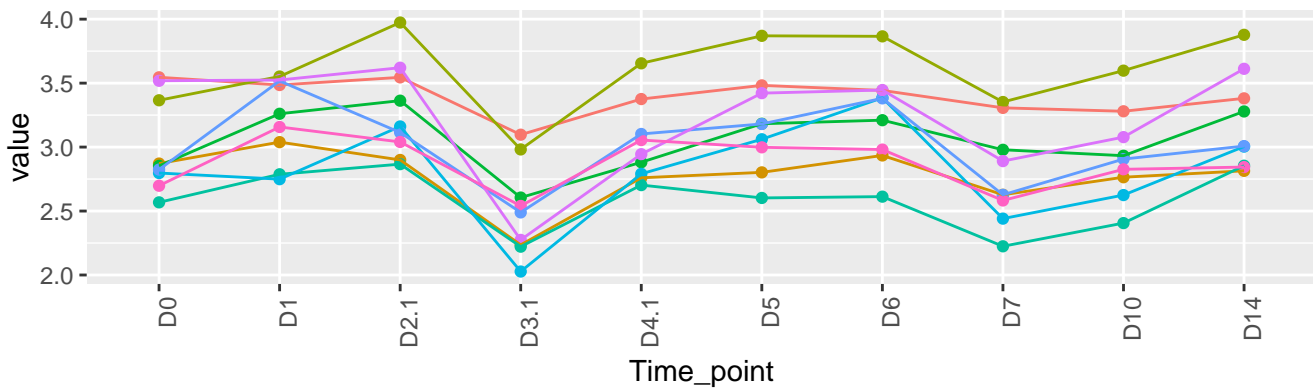
9 genes – KO-cluster-58-original



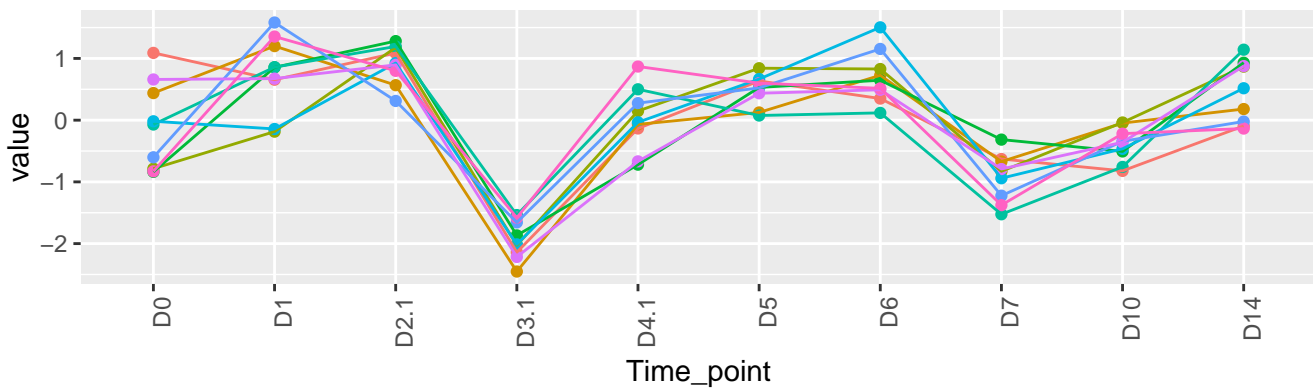
9 genes – KO-cluster-58-standardized



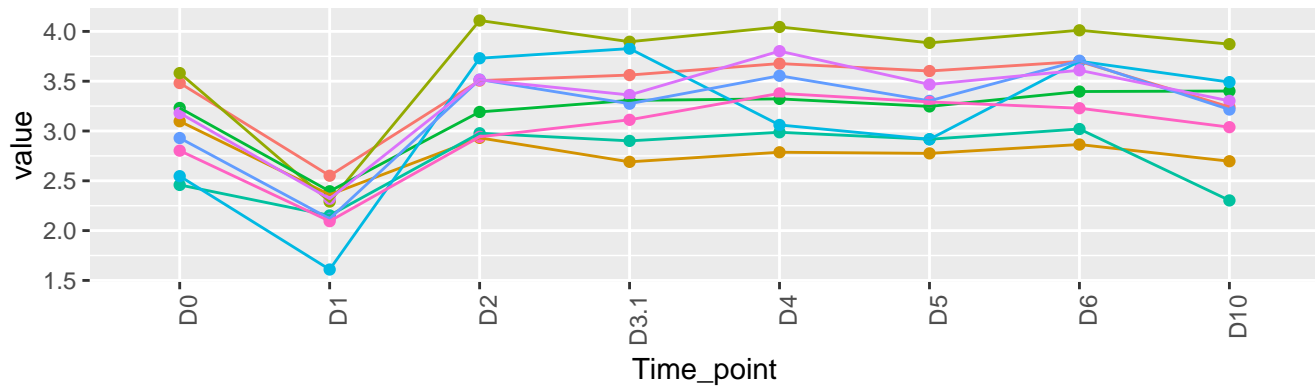
9 genes – WT-cluster-57-original



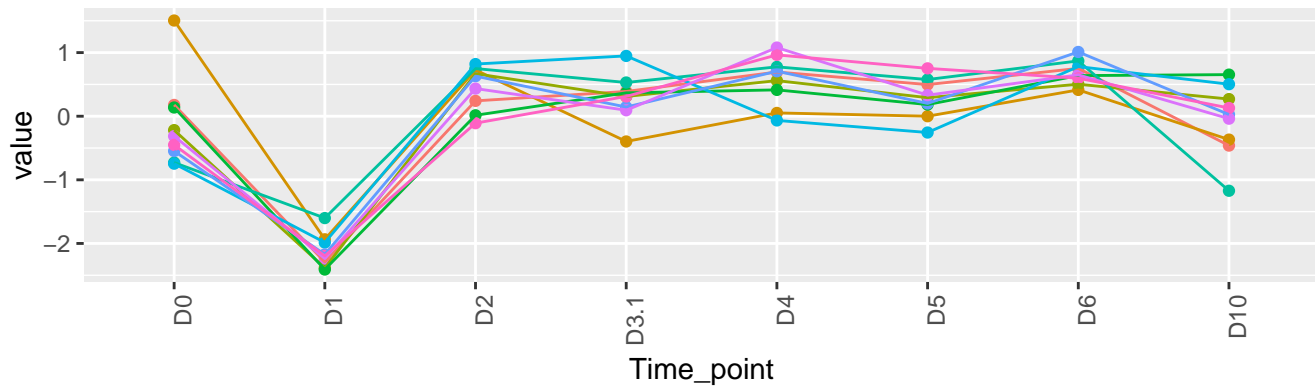
9 genes – WT-cluster-57-standardized



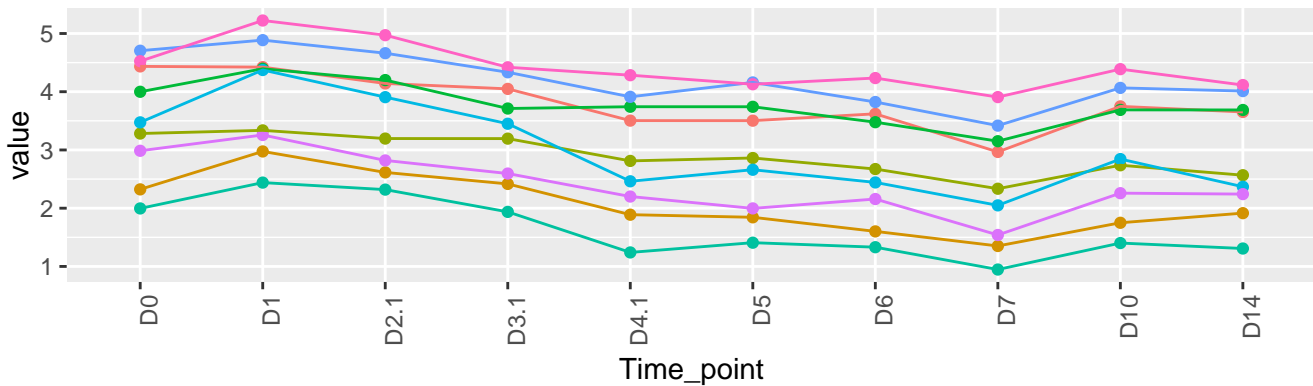
9 genes – KO-cluster-57-original



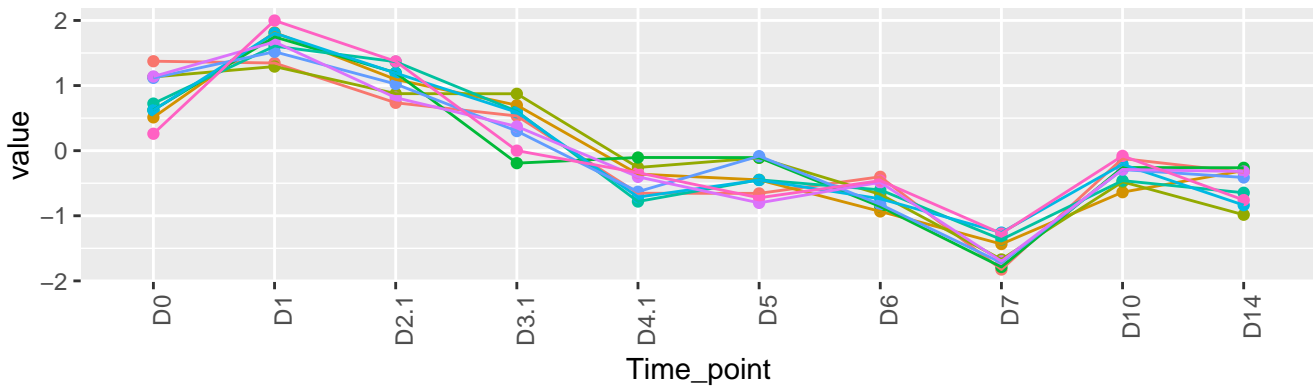
9 genes – KO-cluster-57-standardized



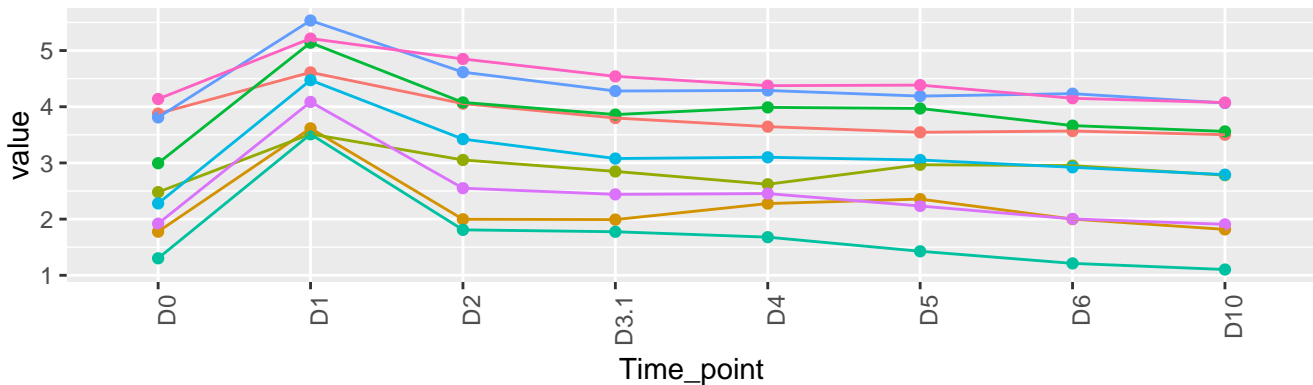
9 genes – WT-cluster-56-original



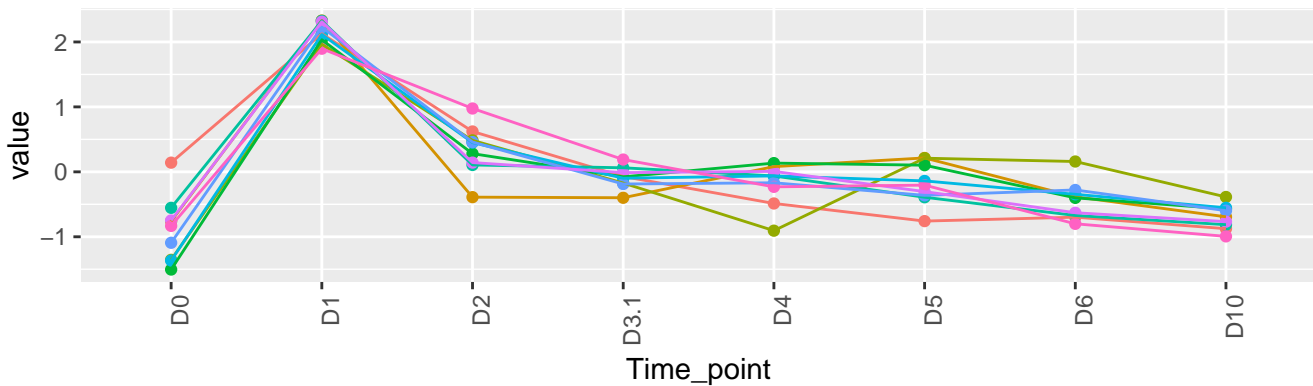
9 genes – WT-cluster-56-standardized



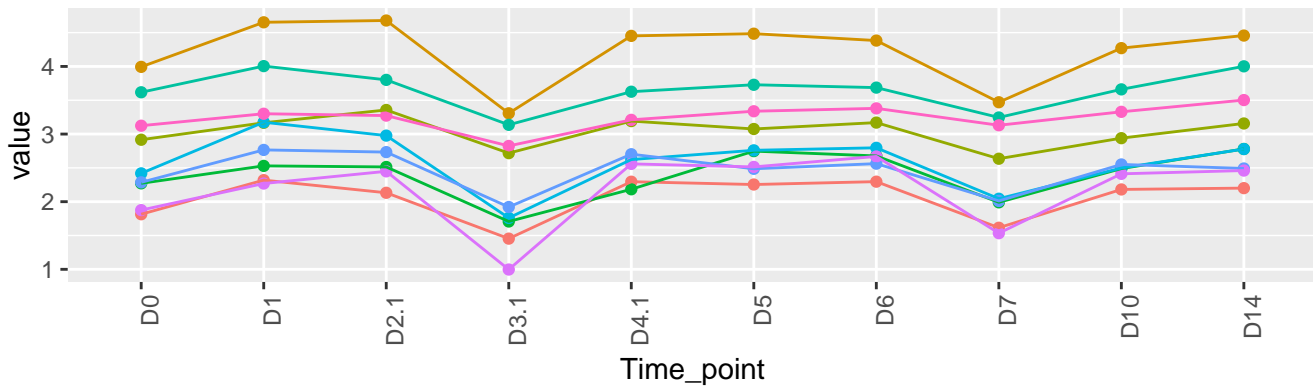
9 genes – KO-cluster-56-original



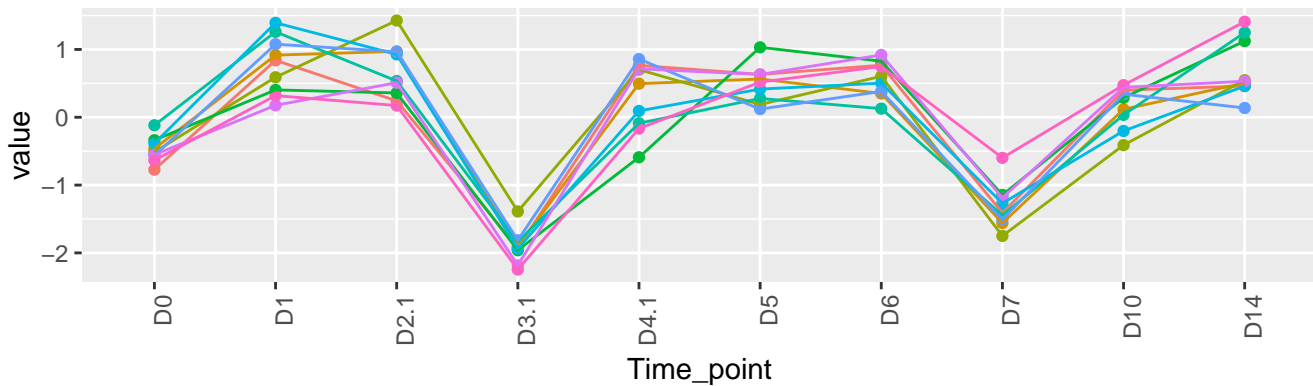
9 genes – KO-cluster-56-standardized



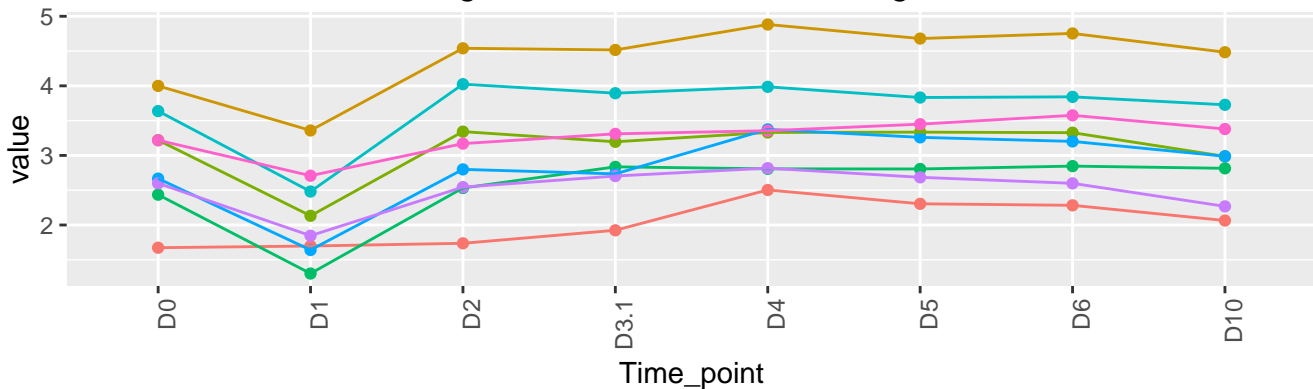
9 genes – WT-cluster-55-original



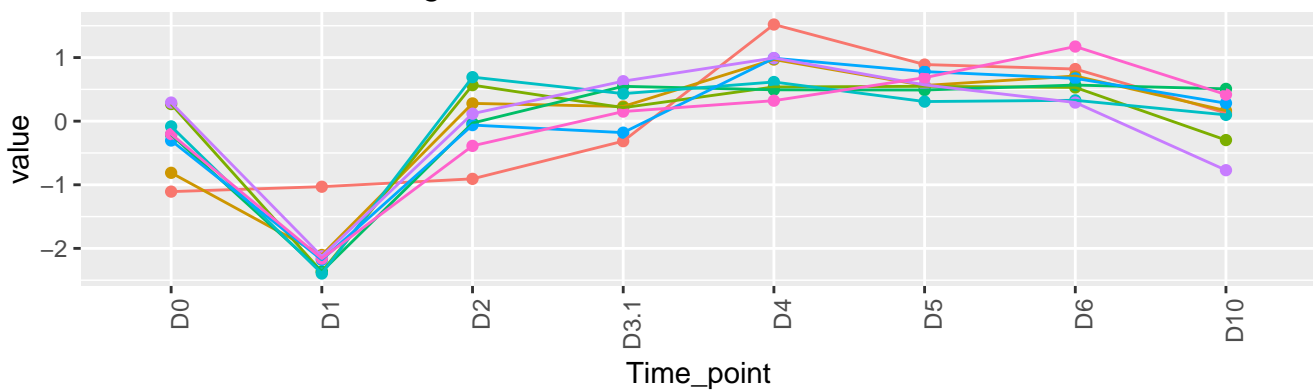
9 genes – WT-cluster-55-standardized



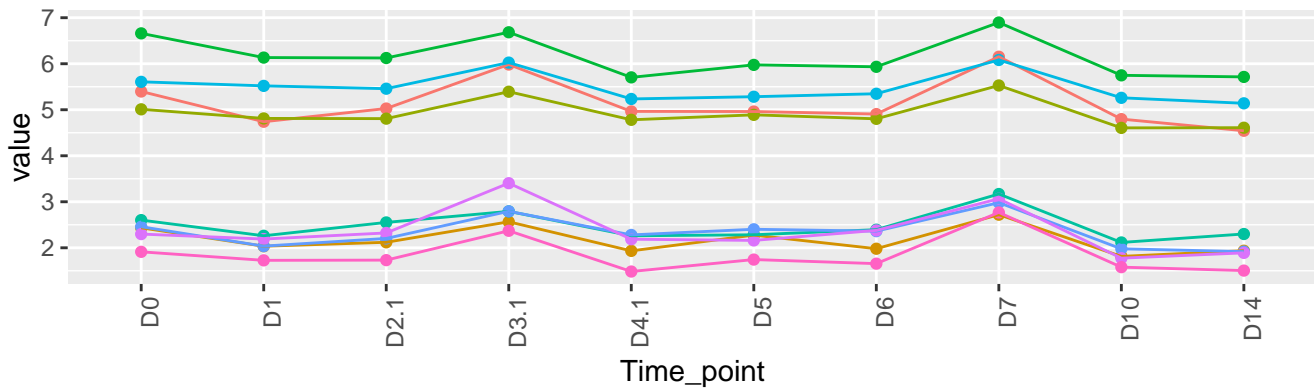
8 genes – KO-cluster-55-original



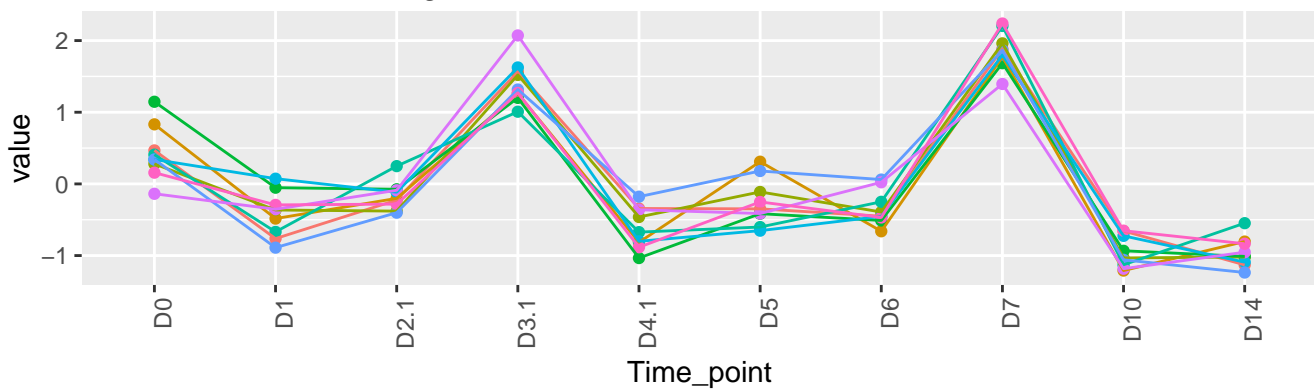
8 genes – KO-cluster-55-standardized



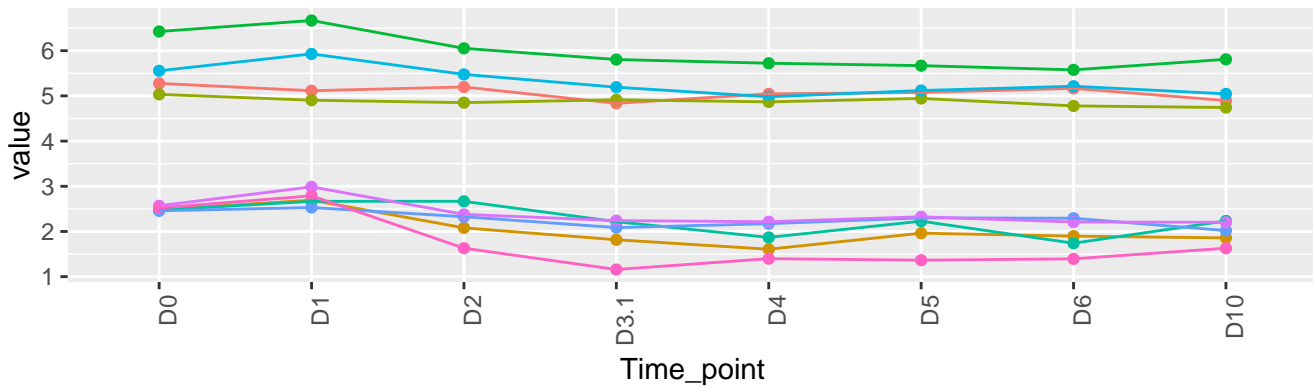
9 genes – WT-cluster-54-original



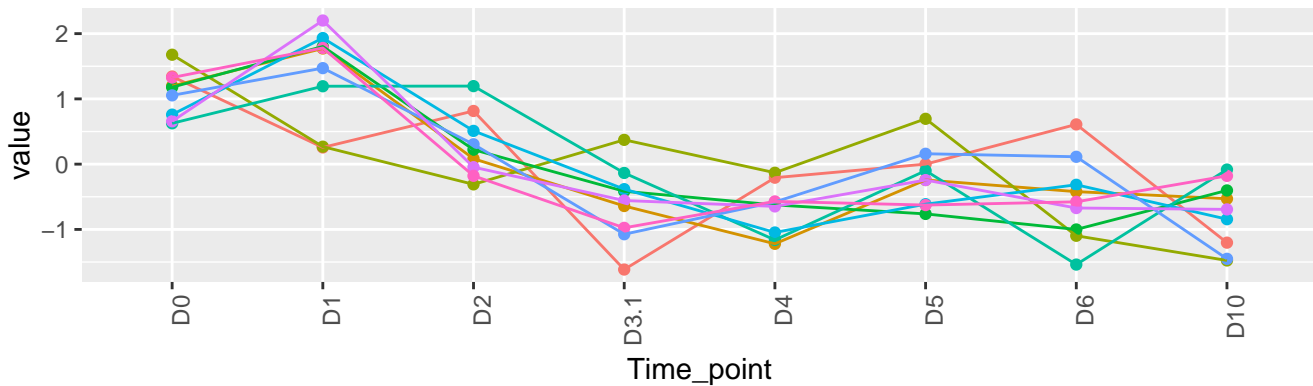
9 genes – WT-cluster-54-standardized



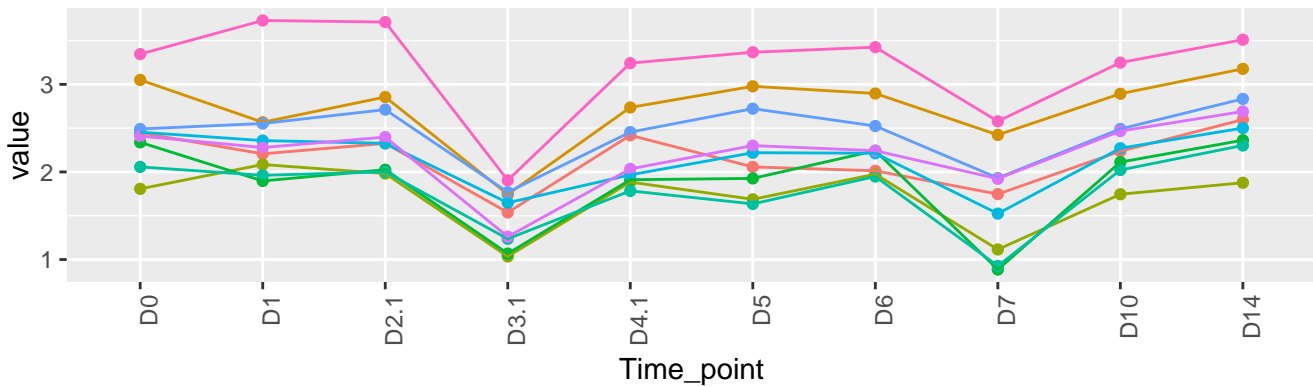
9 genes – KO-cluster-54-original



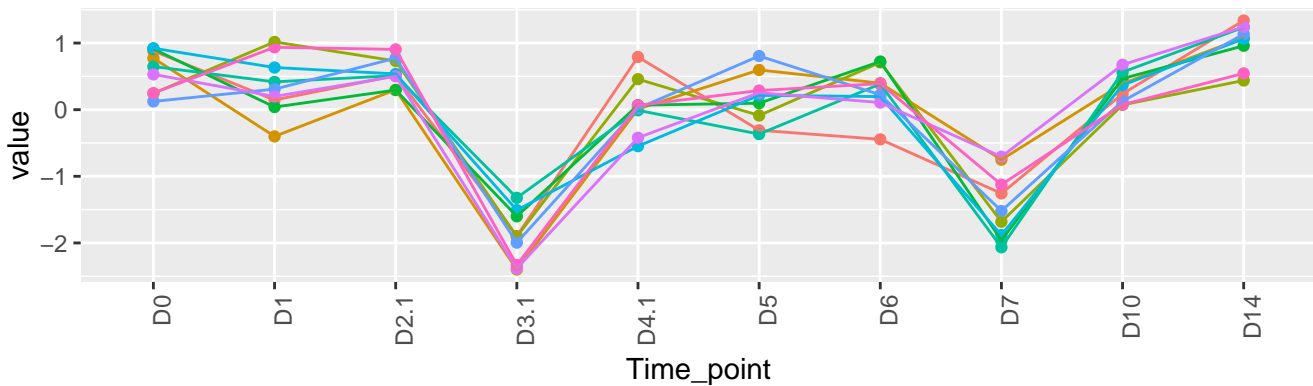
9 genes – KO-cluster-54-standardized



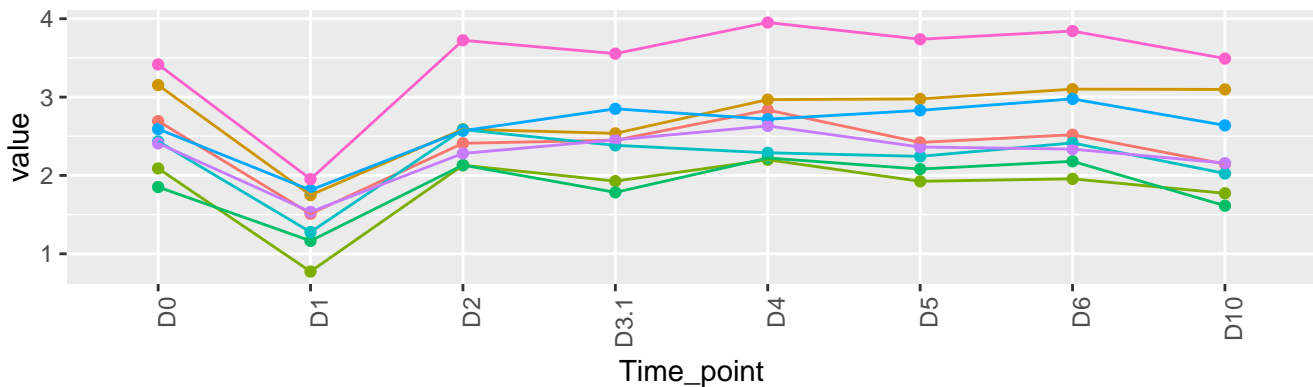
9 genes – WT-cluster-53-original



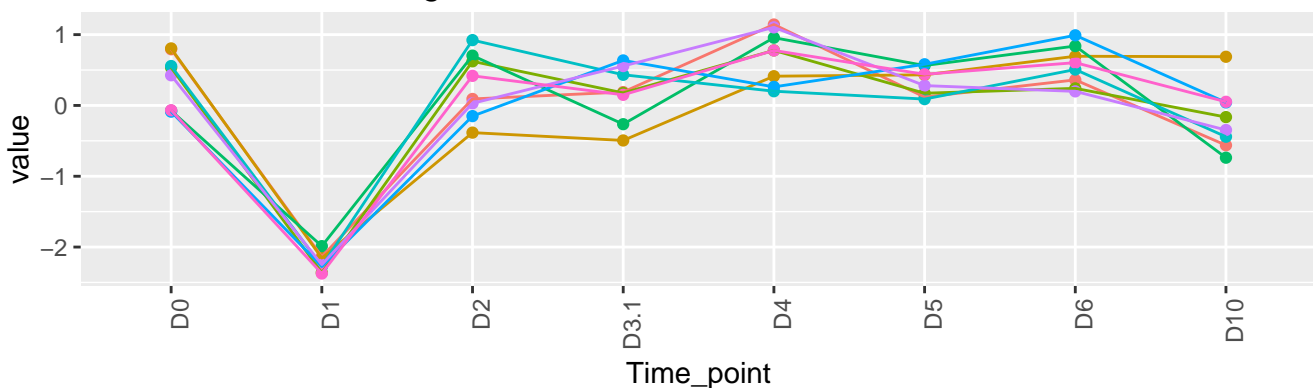
9 genes – WT-cluster-53-standardized



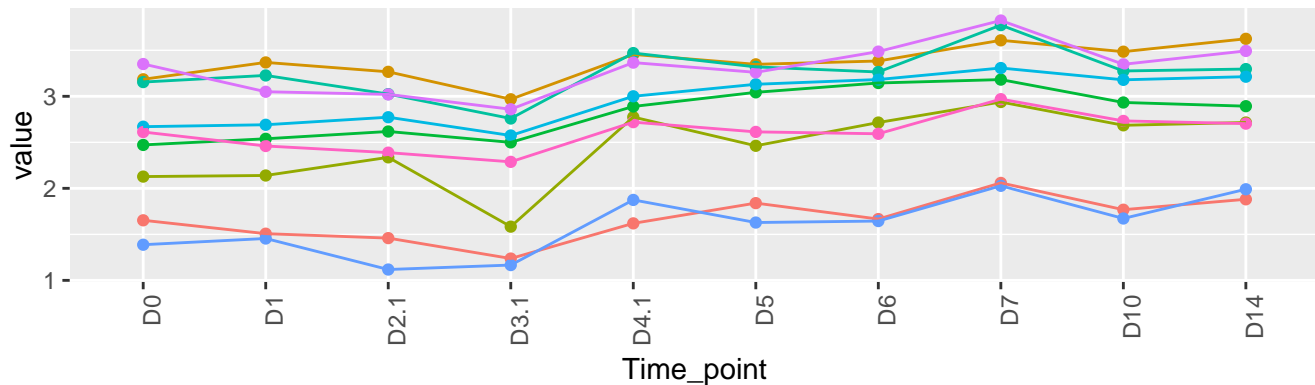
8 genes – KO-cluster-53-original



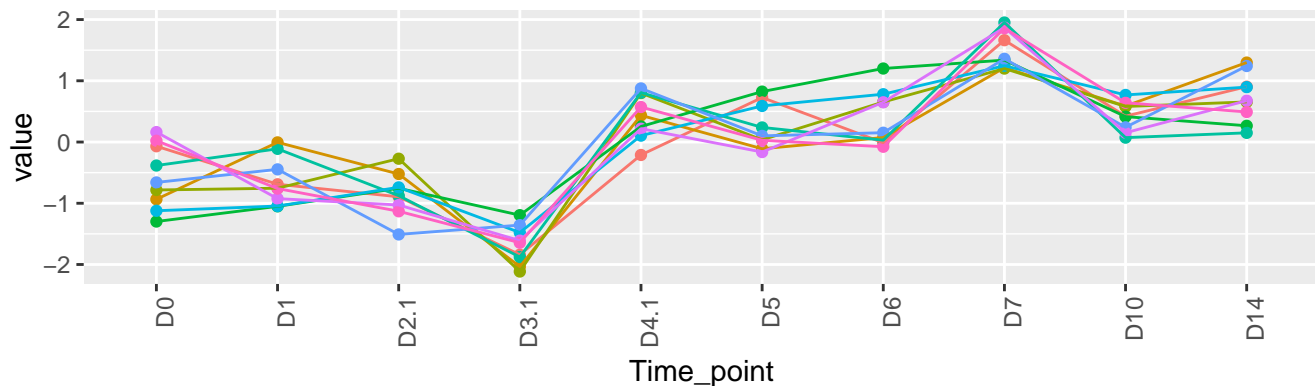
8 genes – KO-cluster-53-standardized



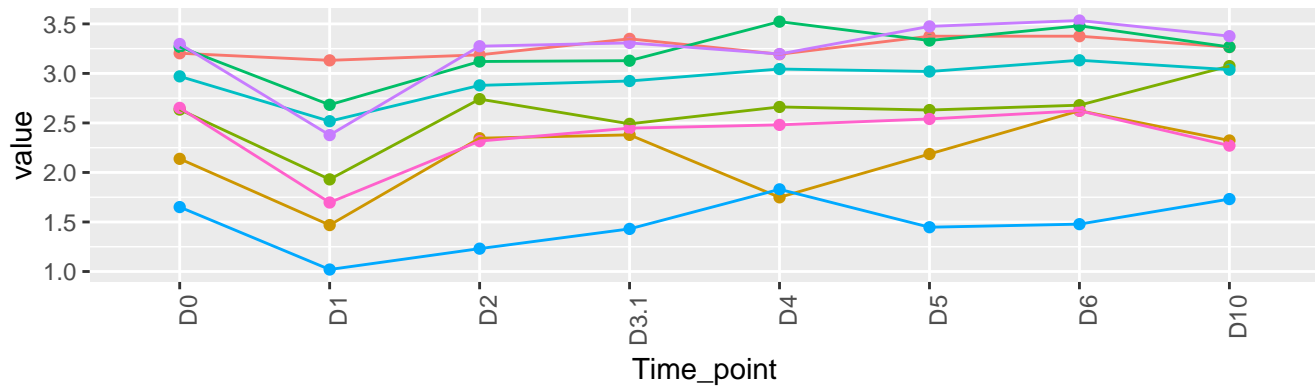
9 genes – WT-cluster-52-original



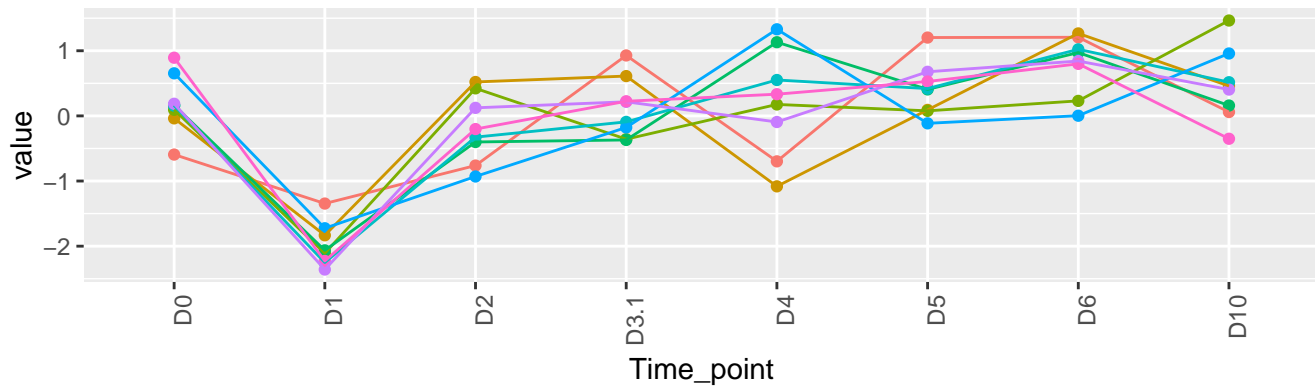
9 genes – WT-cluster-52-standardized



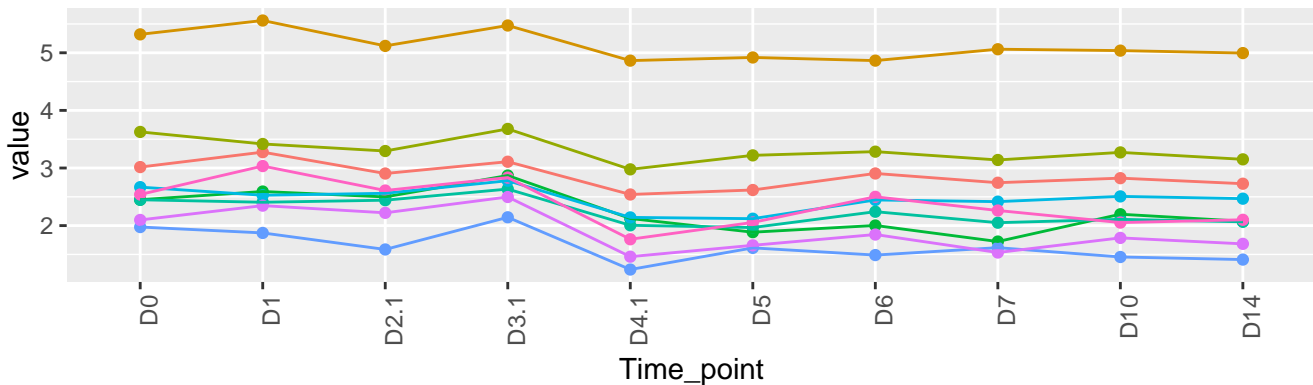
8 genes – KO-cluster-52-original



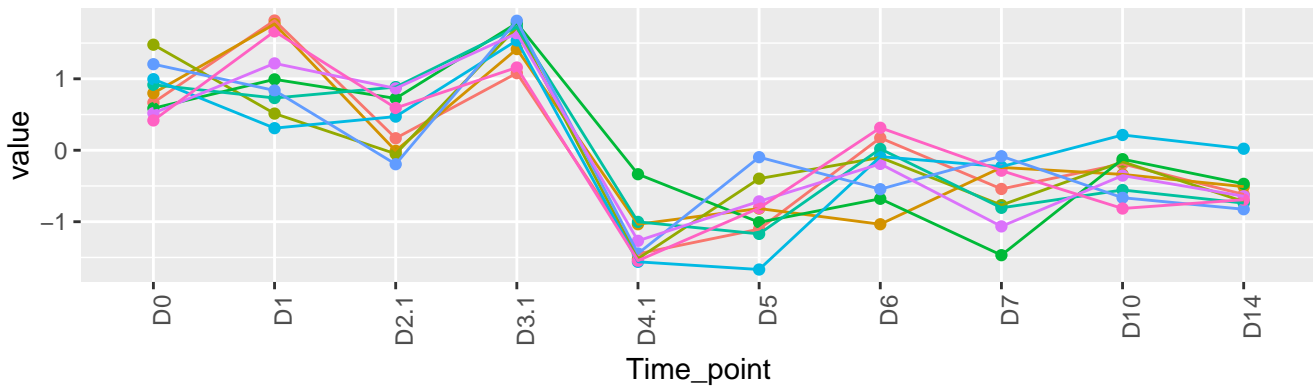
8 genes – KO-cluster-52-standardized



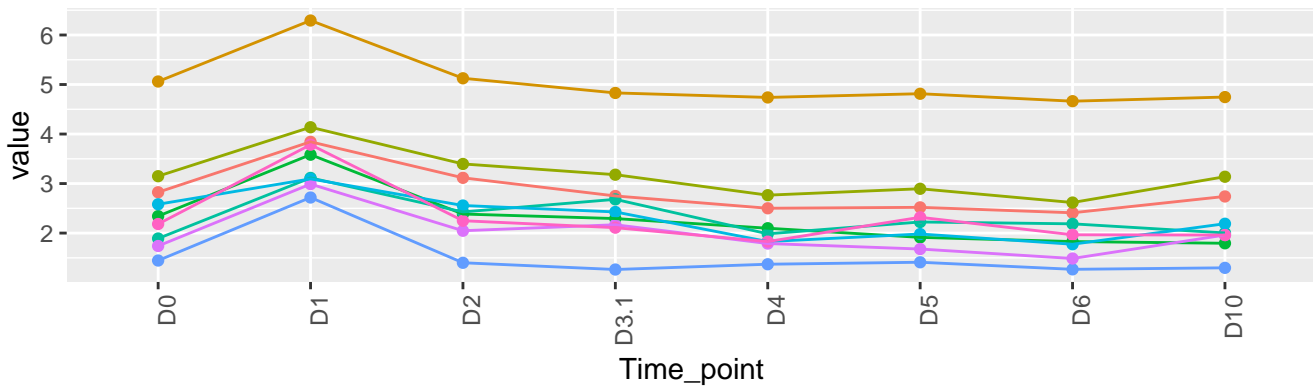
9 genes – WT-cluster-51-original



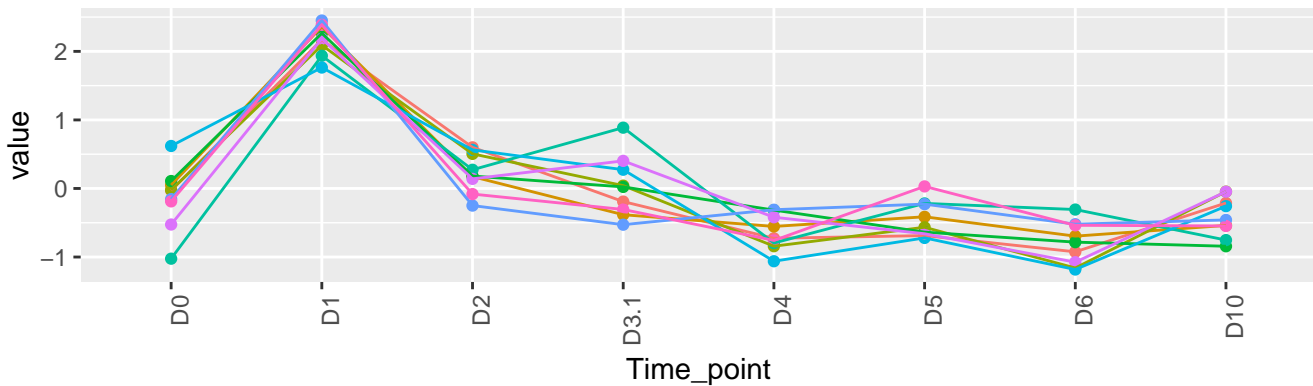
9 genes – WT-cluster-51-standardized



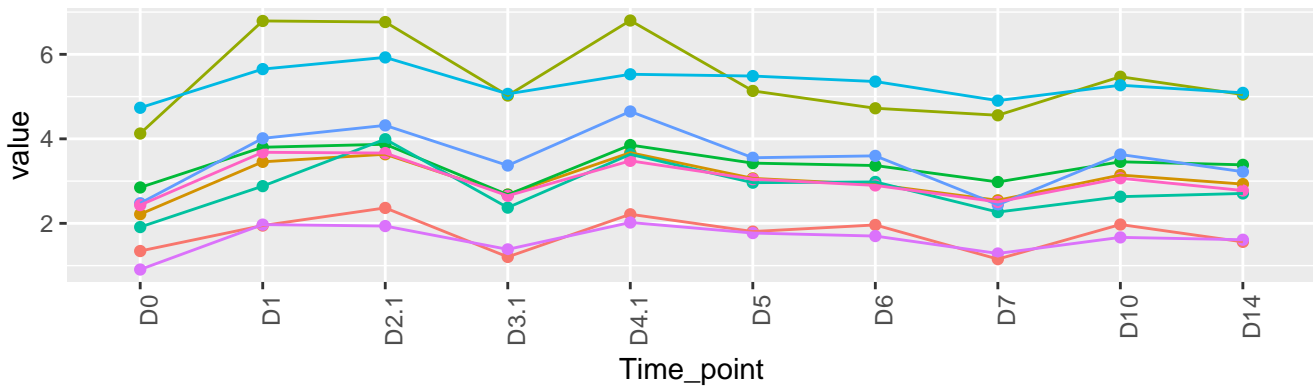
9 genes – KO-cluster-51-original



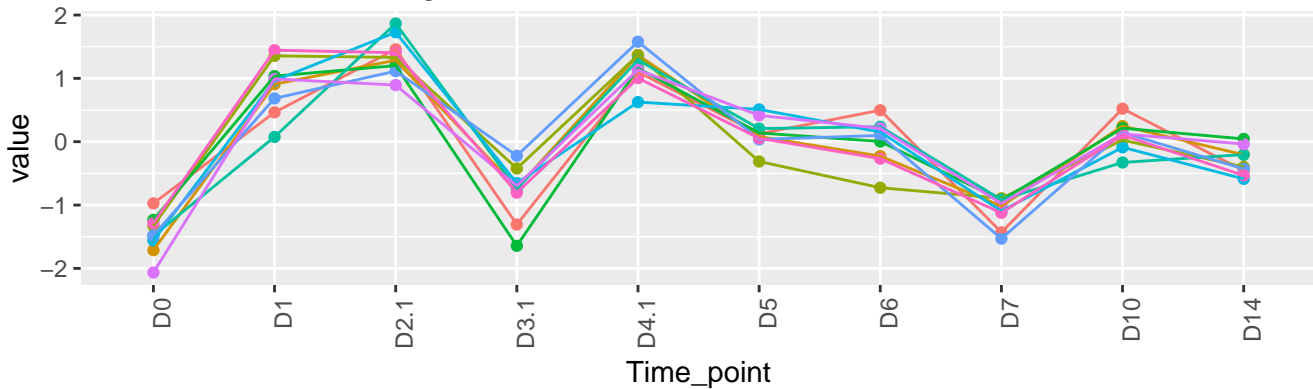
9 genes – KO-cluster-51-standardized



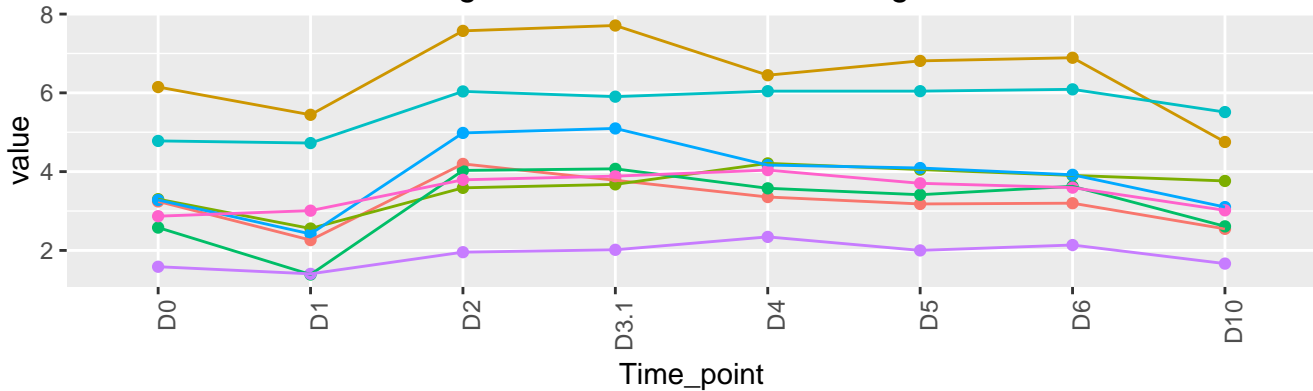
9 genes – WT-cluster-50-original



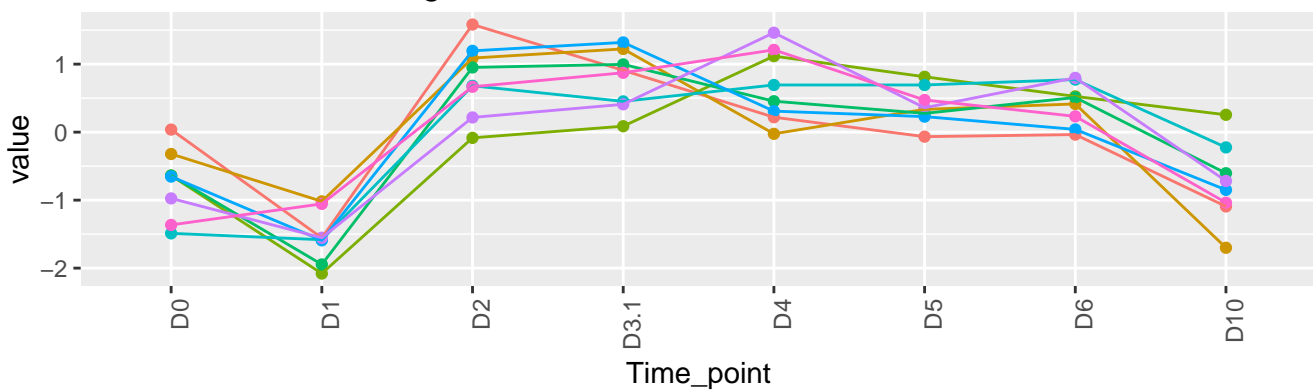
9 genes – WT-cluster-50-standardized



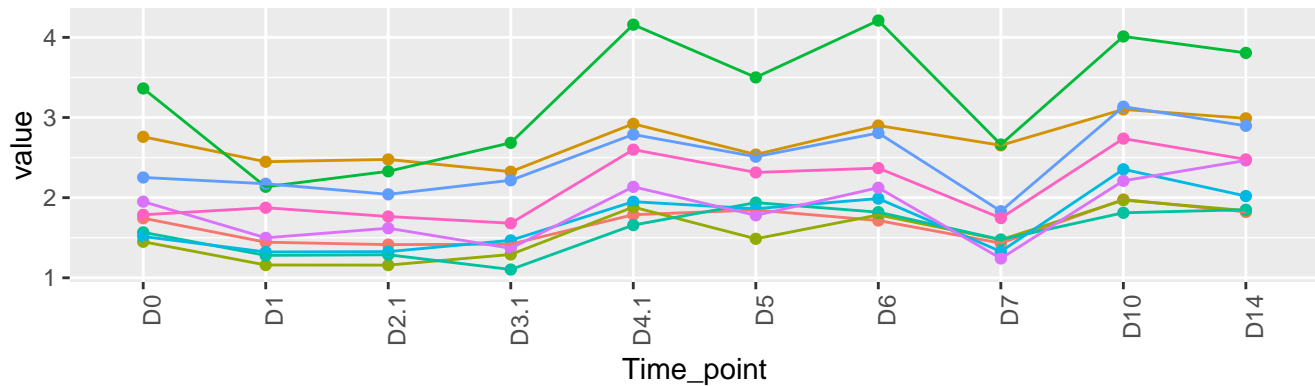
8 genes – KO-cluster-50-original



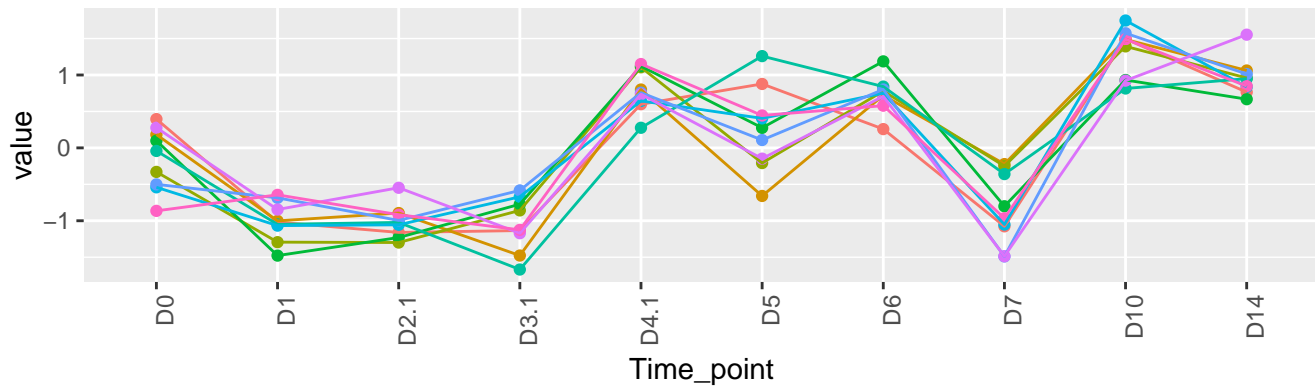
8 genes – KO-cluster-50-standardized



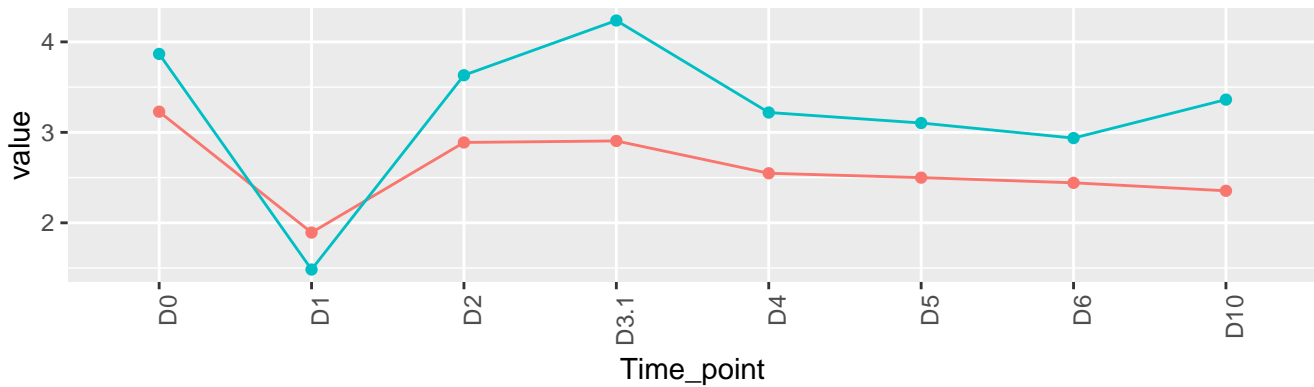
9 genes – WT-cluster-49-original



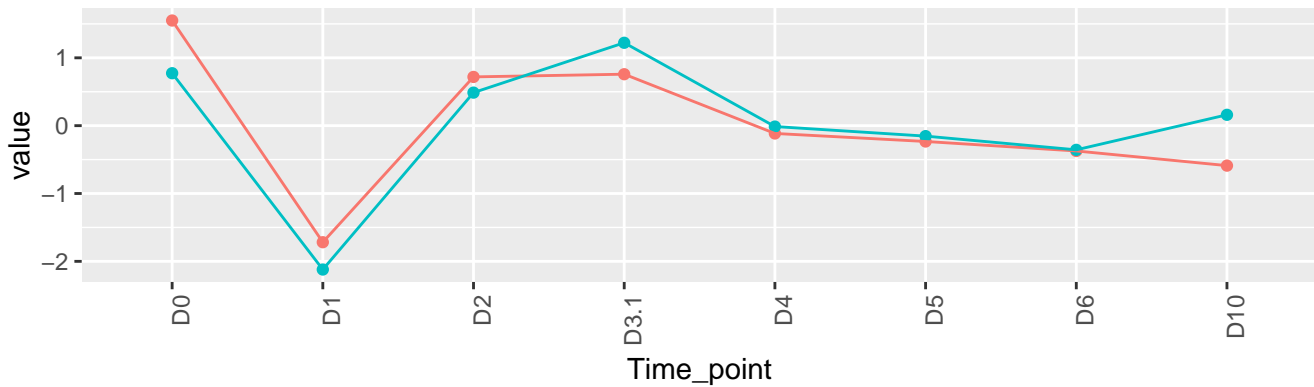
9 genes – WT-cluster-49-standardized



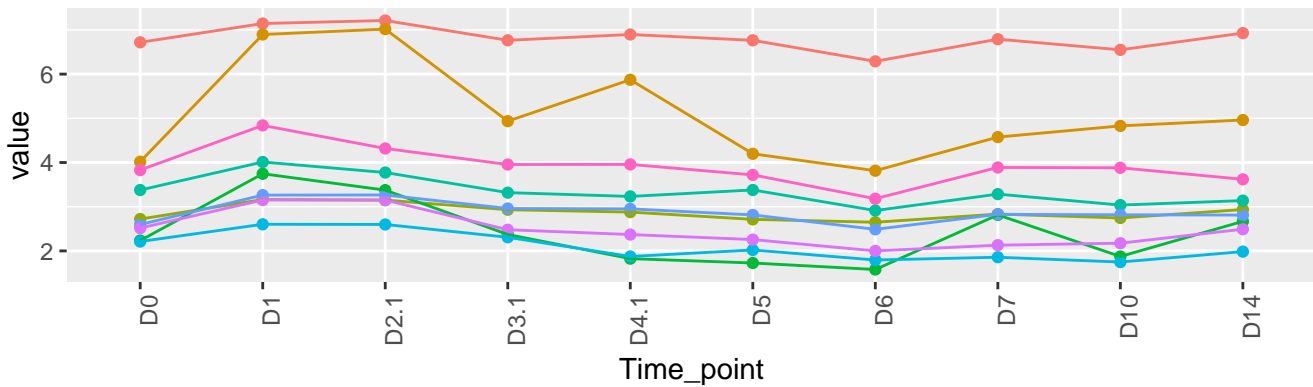
2 genes – KO-cluster-49-original



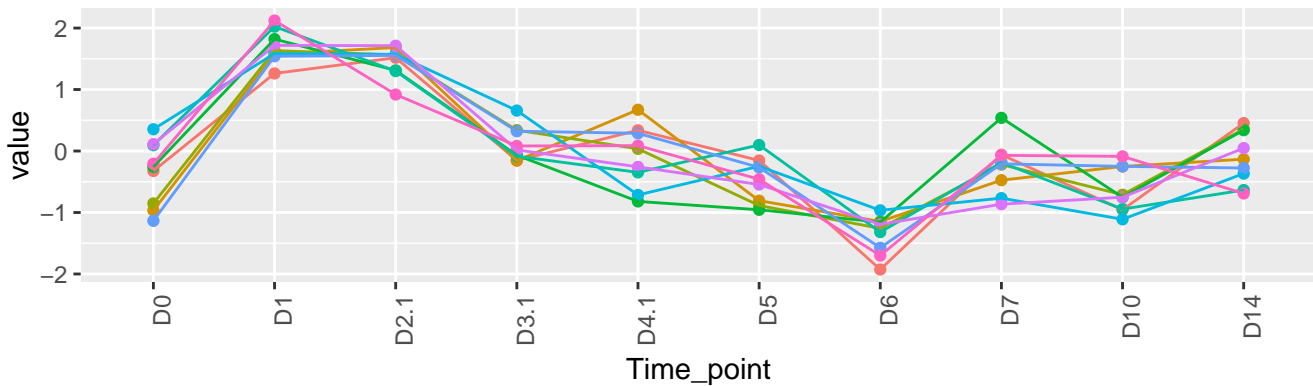
2 genes – KO-cluster-49-standardized



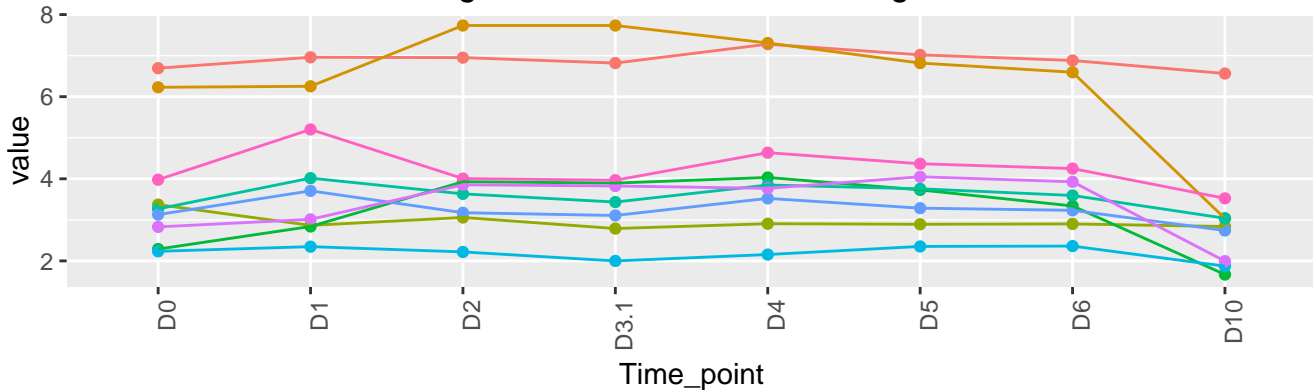
9 genes – WT-cluster-48-original



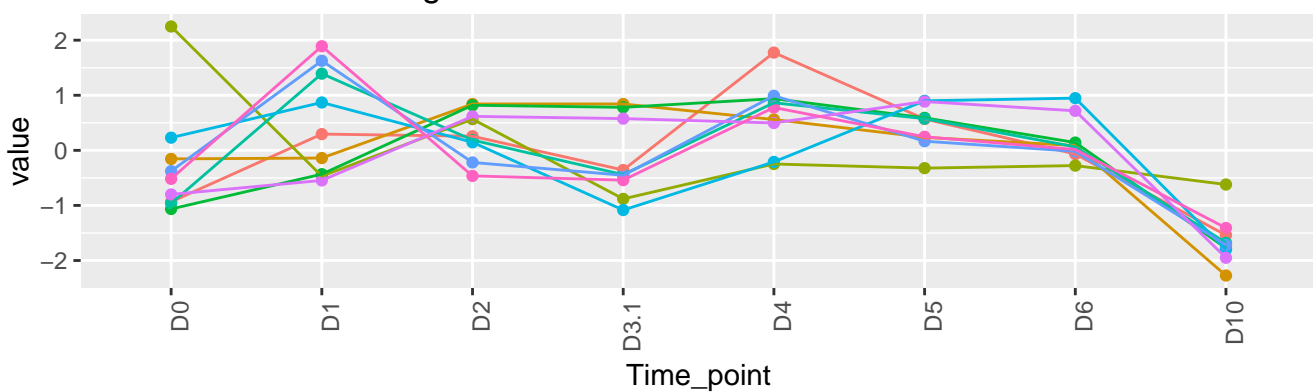
9 genes – WT-cluster-48-standardized



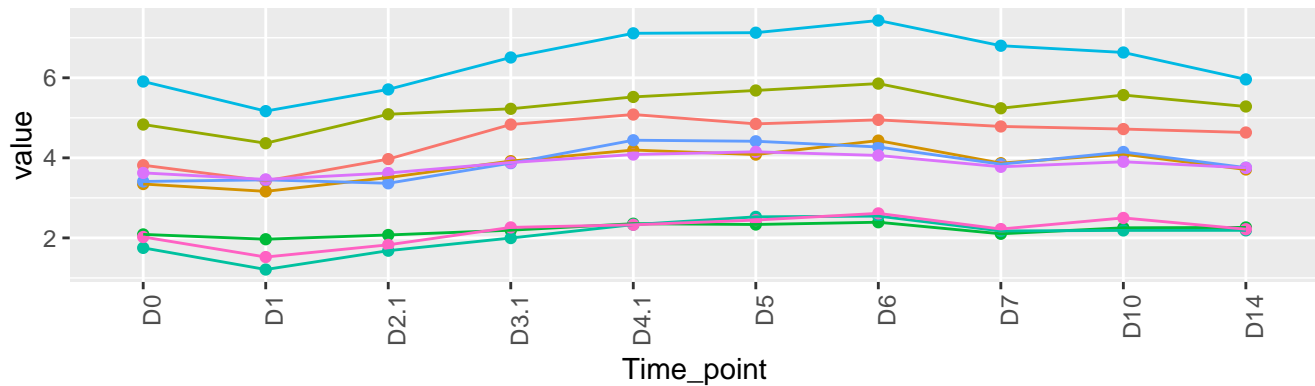
9 genes – KO-cluster-48-original



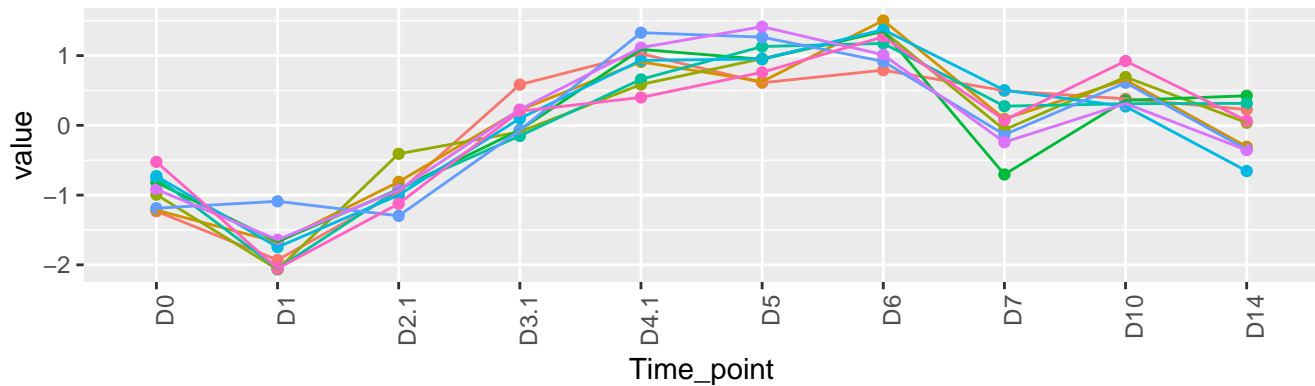
9 genes – KO-cluster-48-standardized



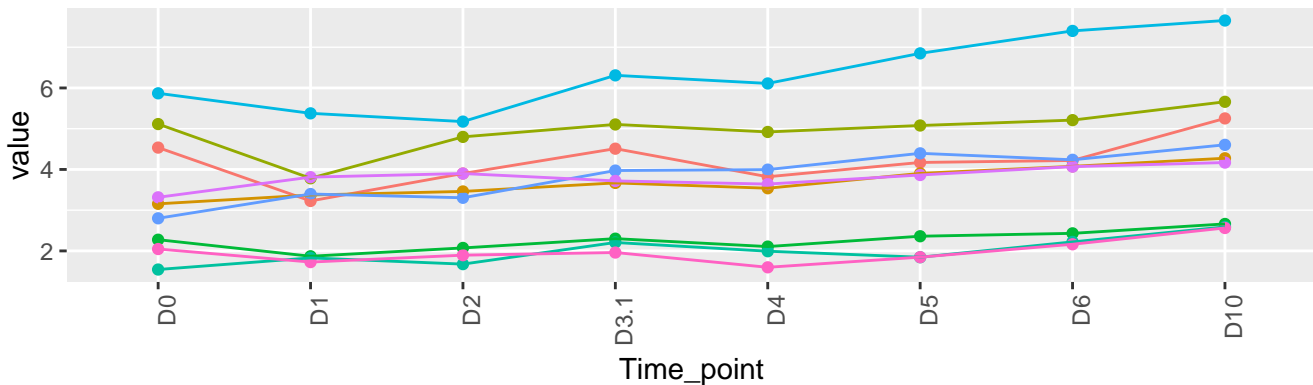
9 genes – WT-cluster-47-original



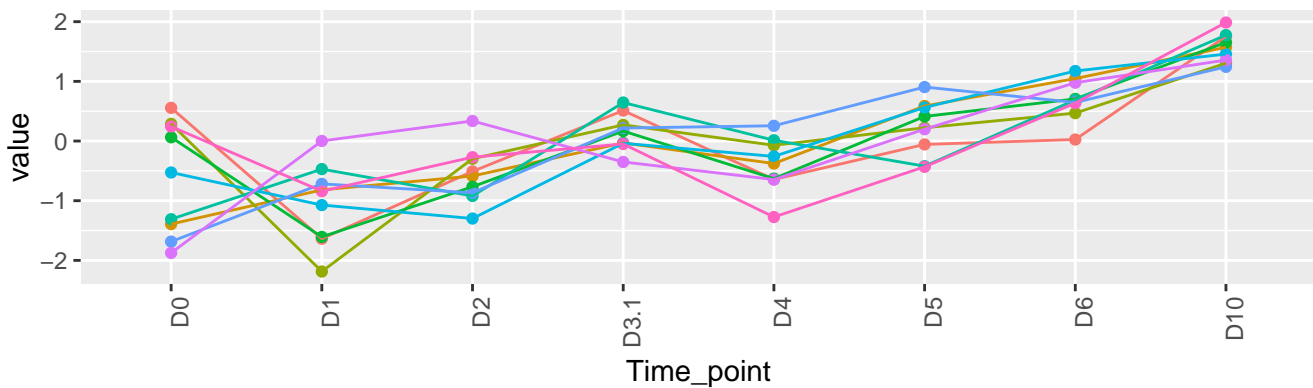
9 genes – WT-cluster-47-standardized



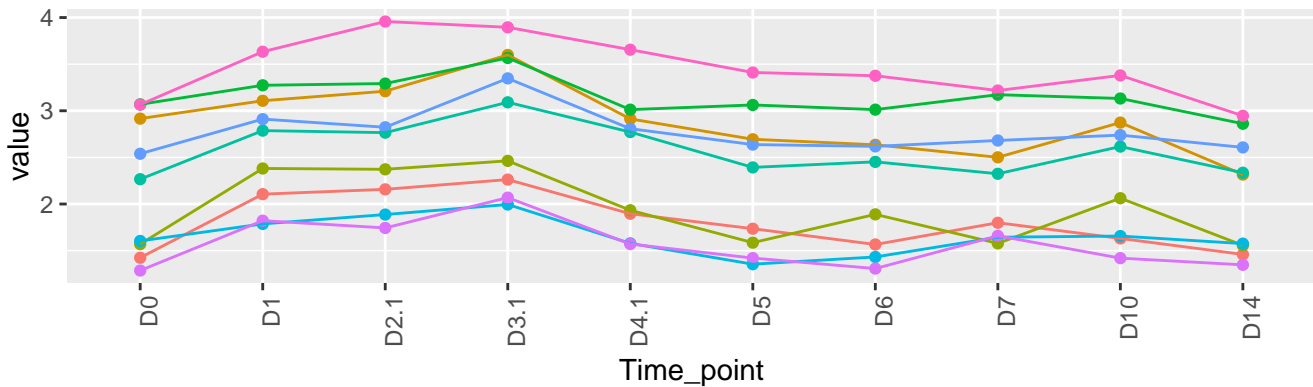
9 genes – KO-cluster-47-original



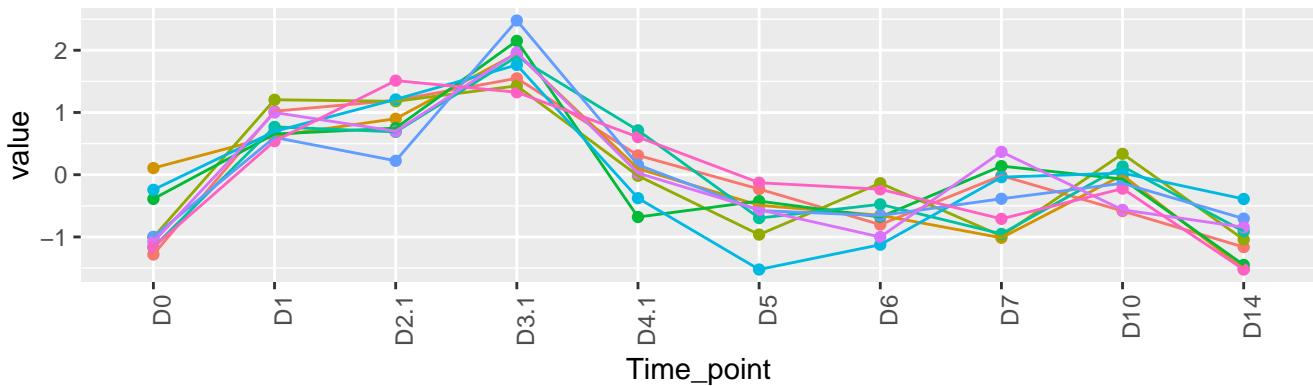
9 genes – KO-cluster-47-standardized



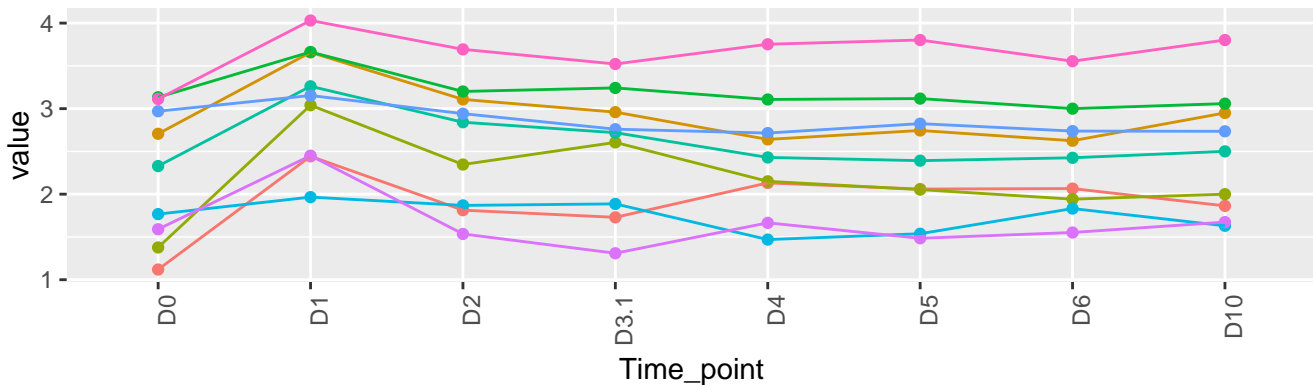
9 genes – WT-cluster-46-original



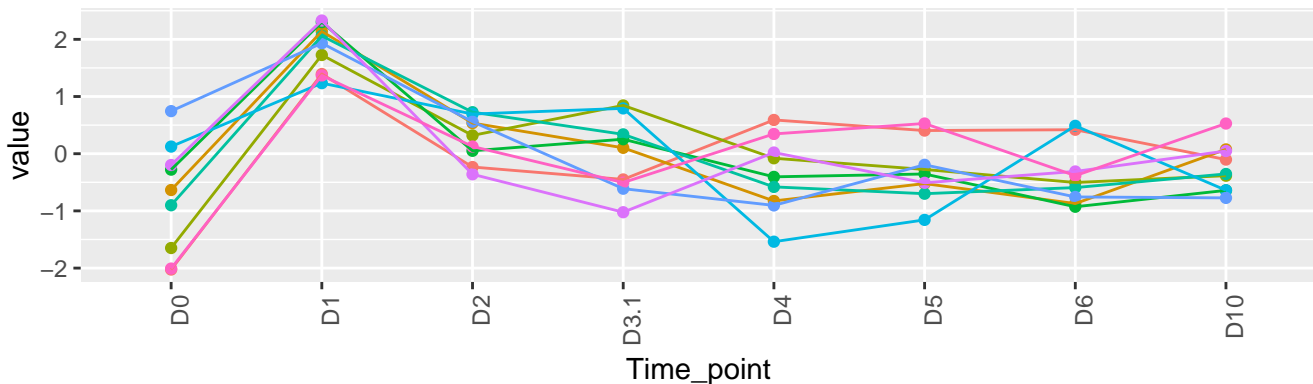
9 genes – WT-cluster-46-standardized



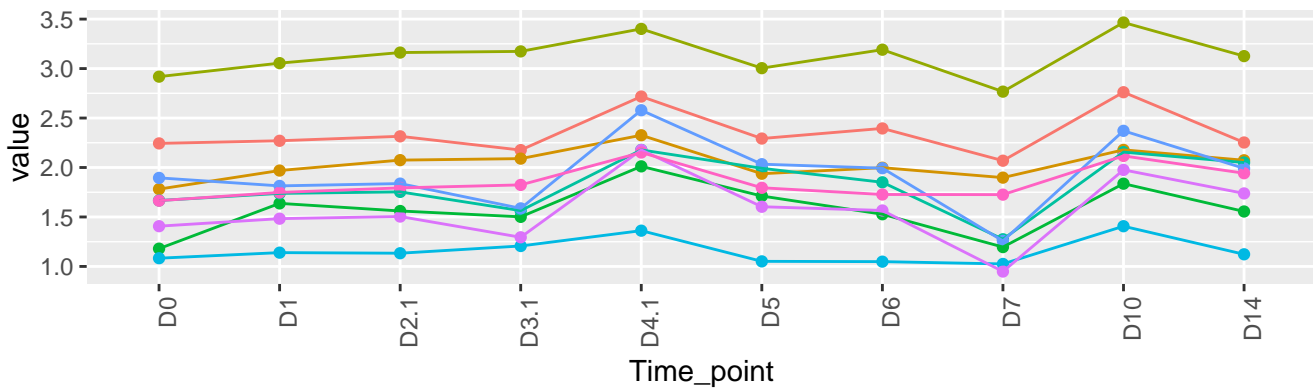
9 genes – KO-cluster-46-original



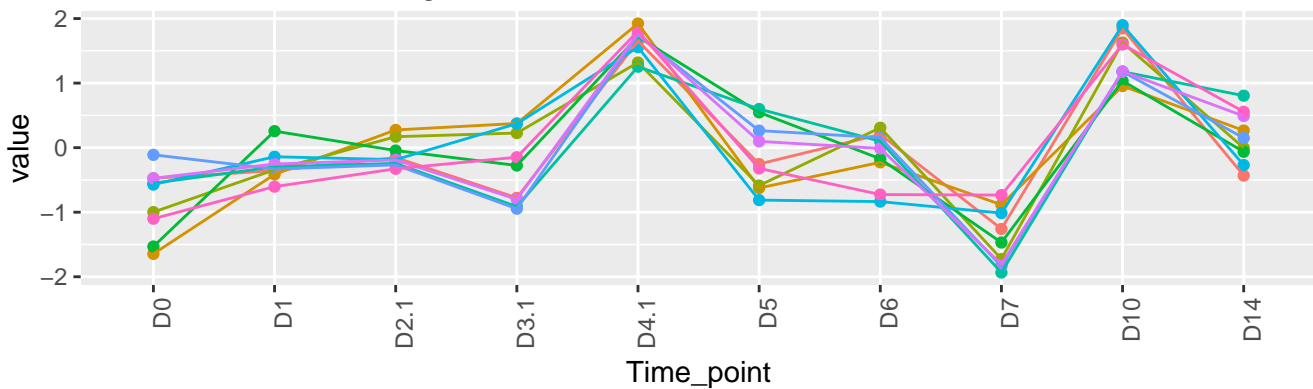
9 genes – KO-cluster-46-standardized



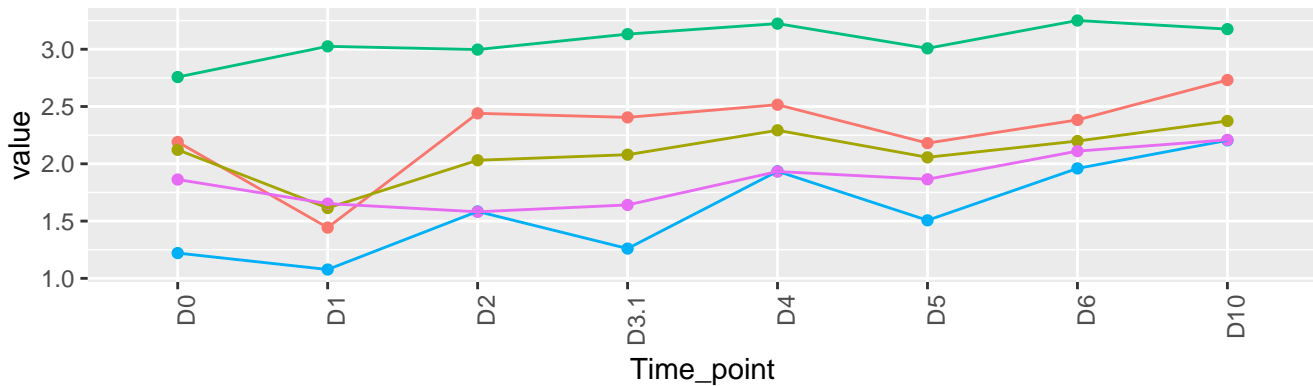
9 genes – WT-cluster-45-original



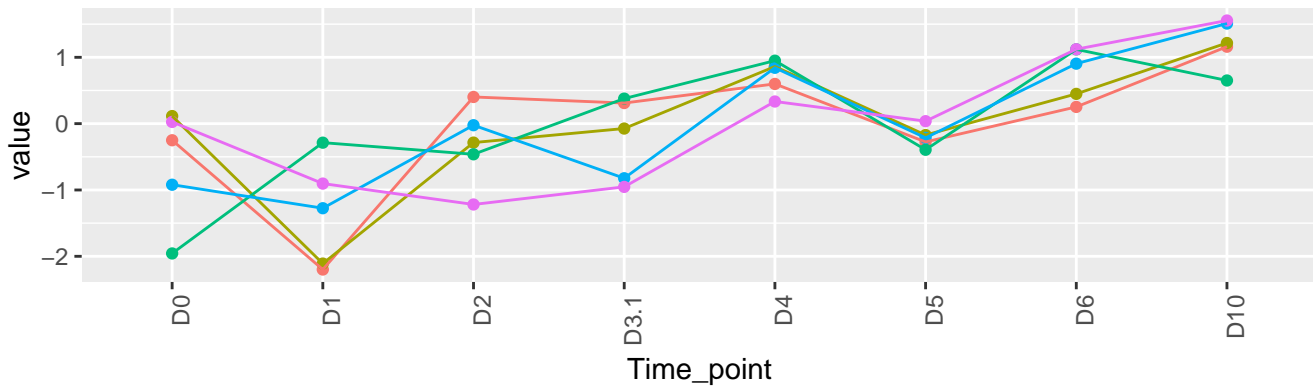
9 genes – WT-cluster-45-standardized



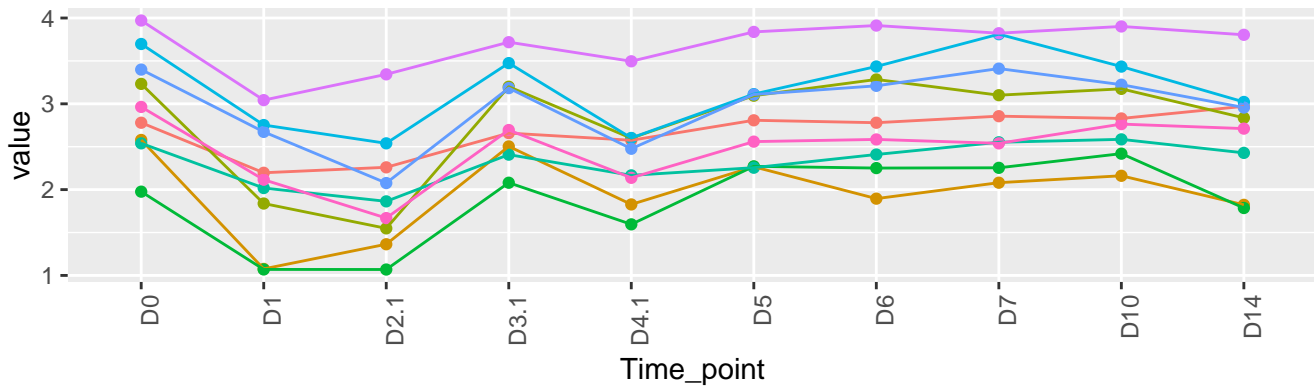
5 genes – KO-cluster-45-original



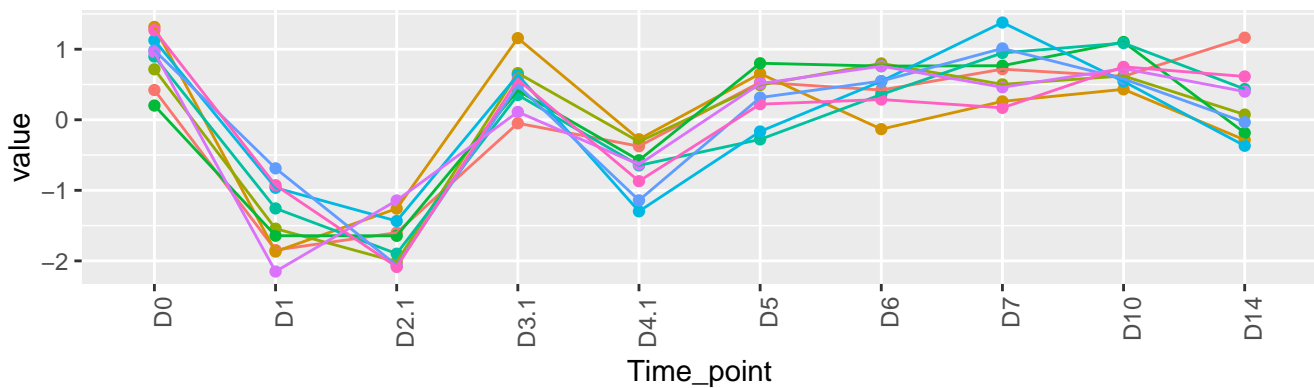
5 genes – KO-cluster-45-standardized



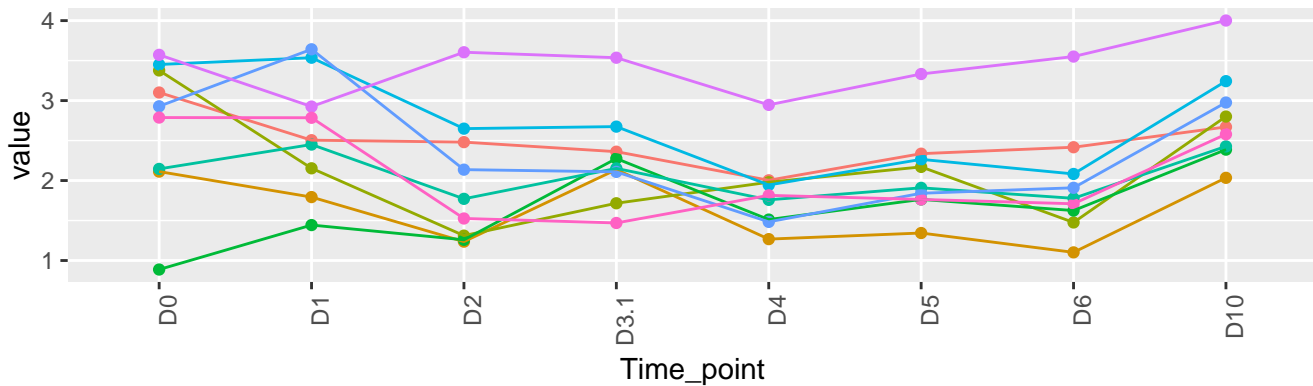
9 genes – WT-cluster-44-original



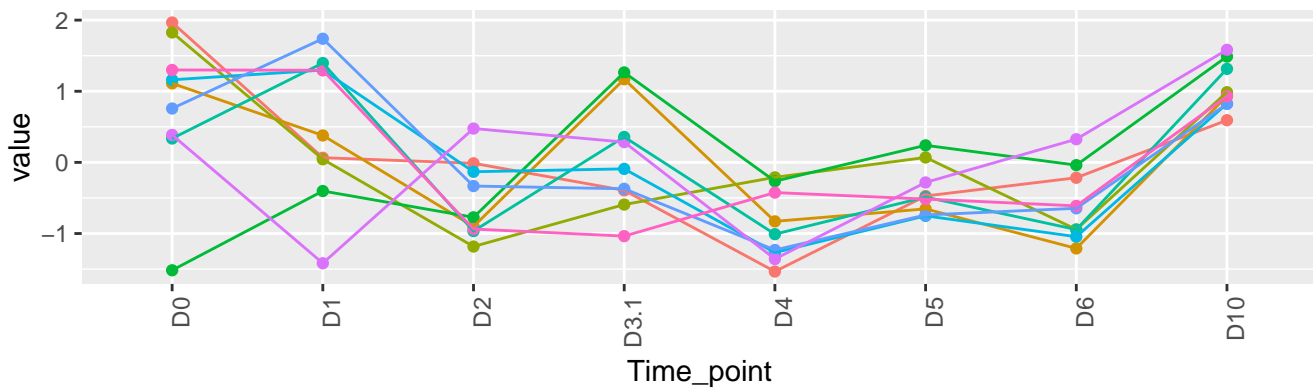
9 genes – WT-cluster-44-standardized



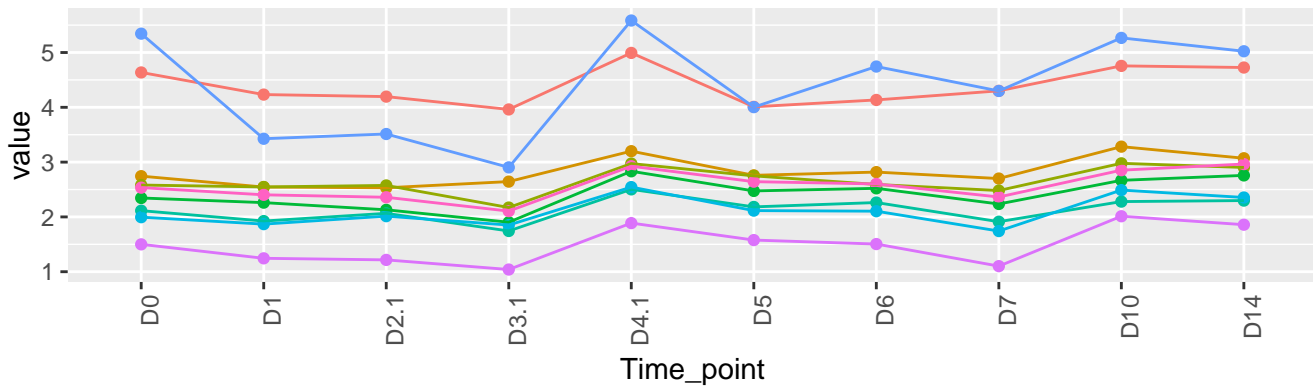
9 genes – KO-cluster-44-original



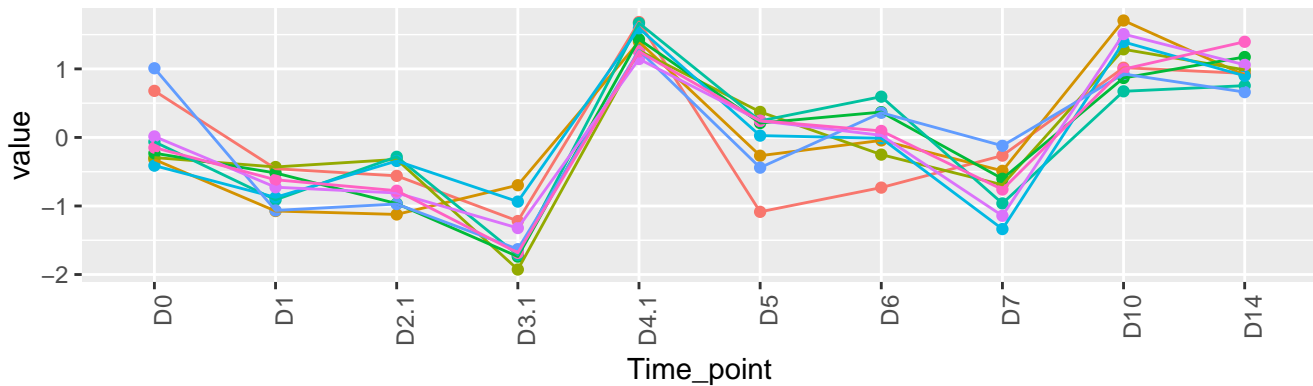
9 genes – KO-cluster-44-standardized



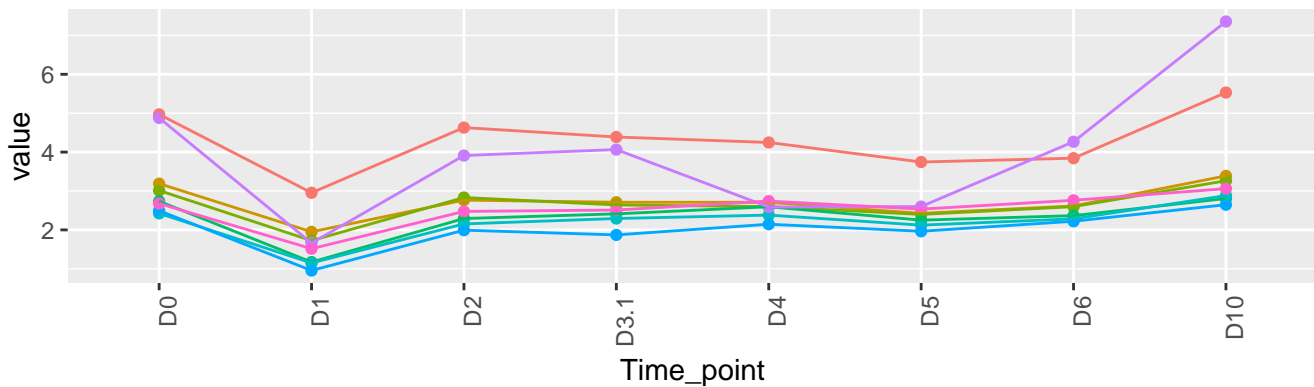
9 genes – WT-cluster-43-original



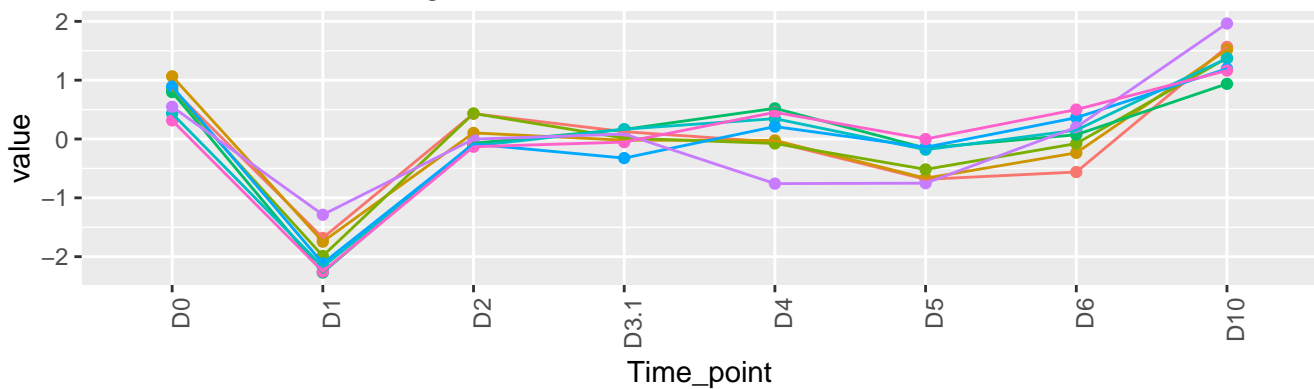
9 genes – WT-cluster-43-standardized



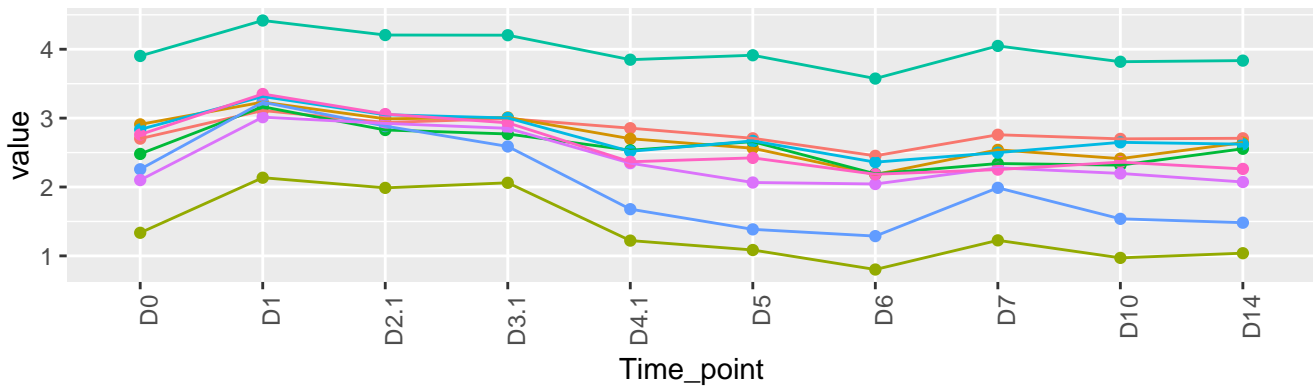
8 genes – KO-cluster-43-original



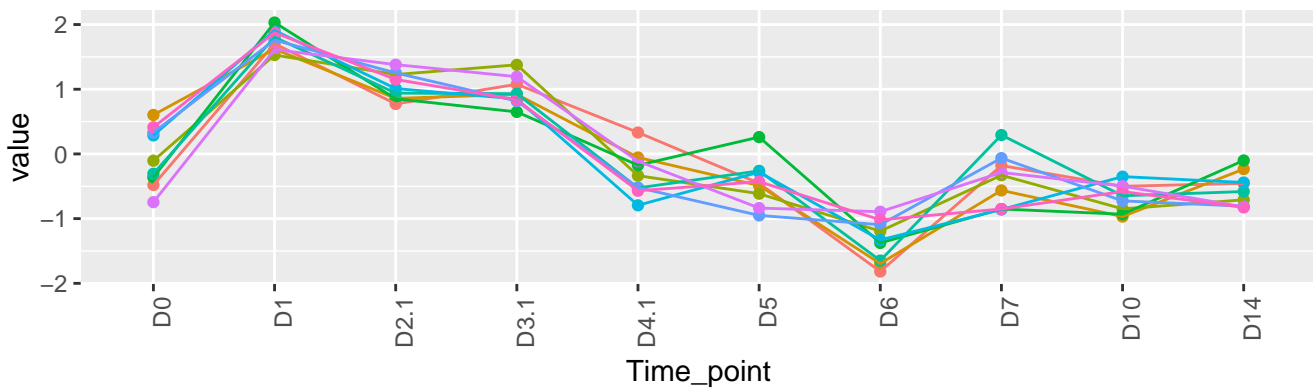
8 genes – KO-cluster-43-standardized



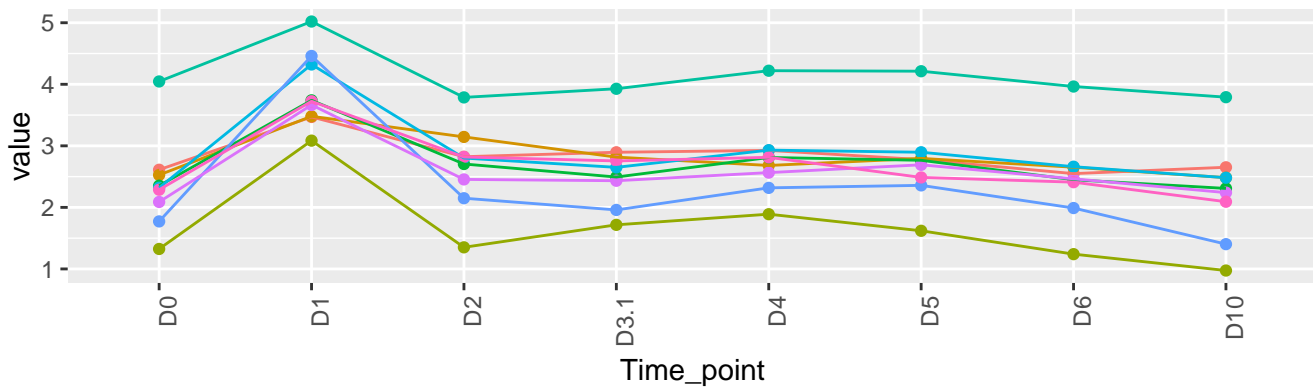
9 genes – WT-cluster-42-original



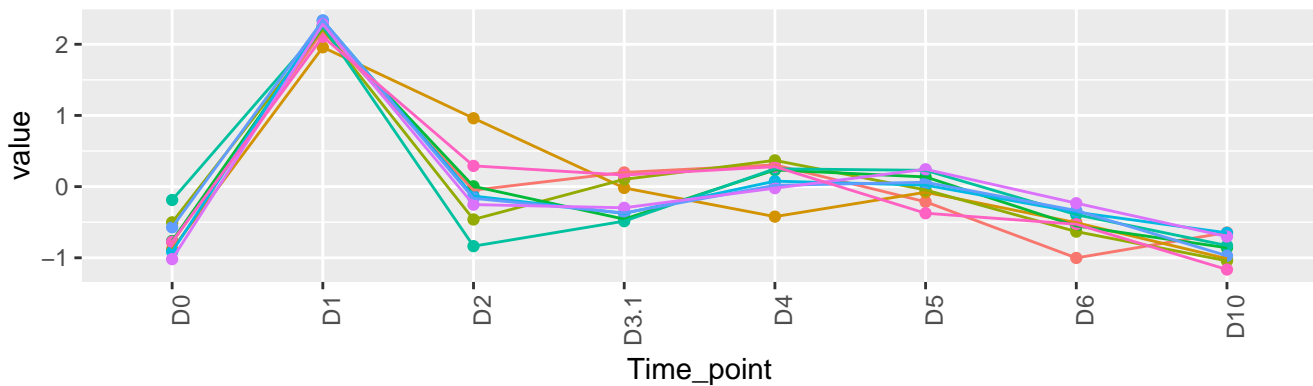
9 genes – WT-cluster-42-standardized



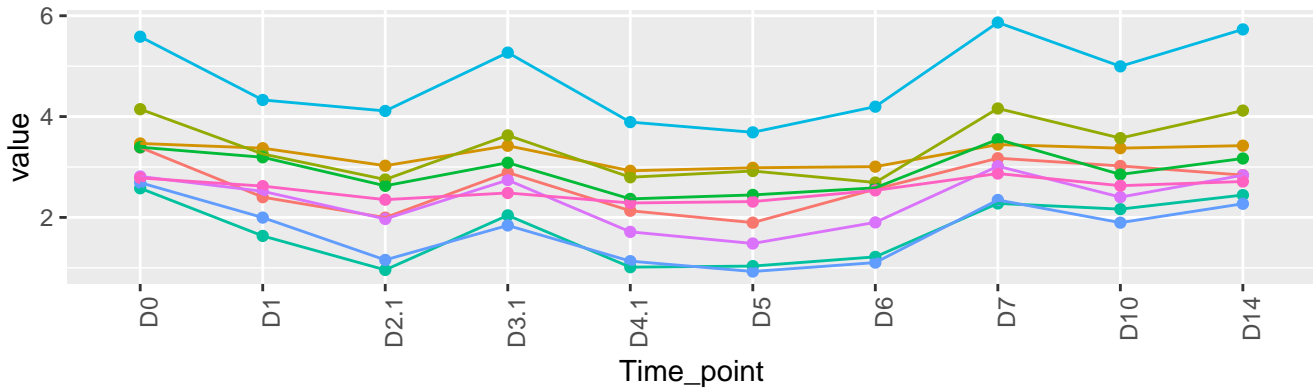
9 genes – KO-cluster-42-original



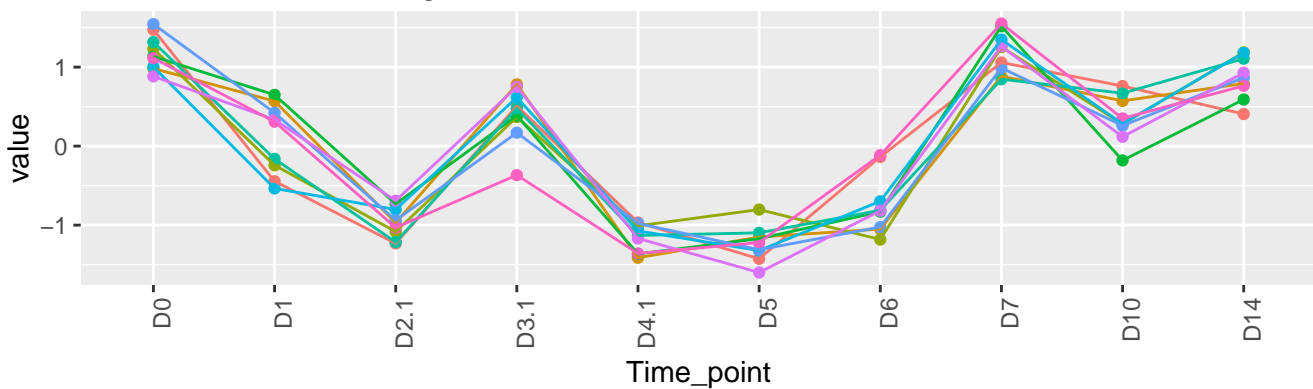
9 genes – KO-cluster-42-standardized



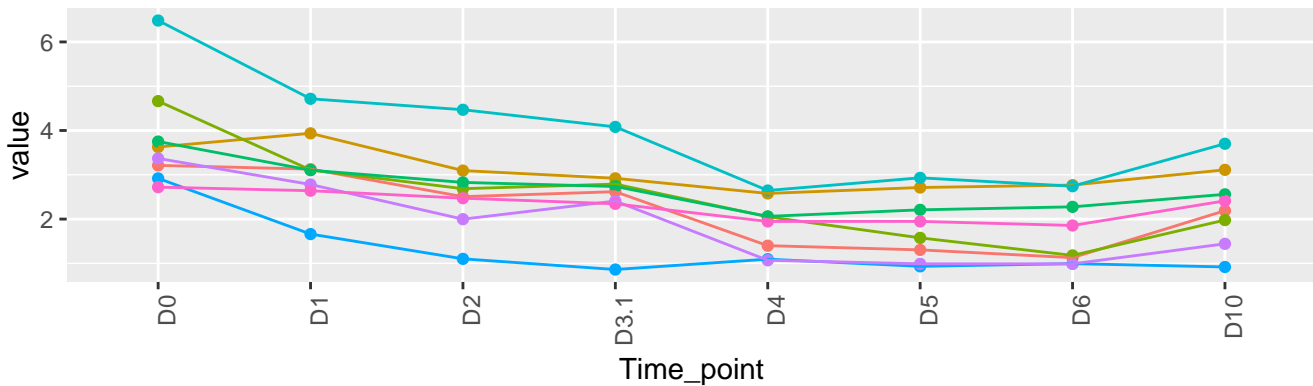
9 genes – WT-cluster-41-original



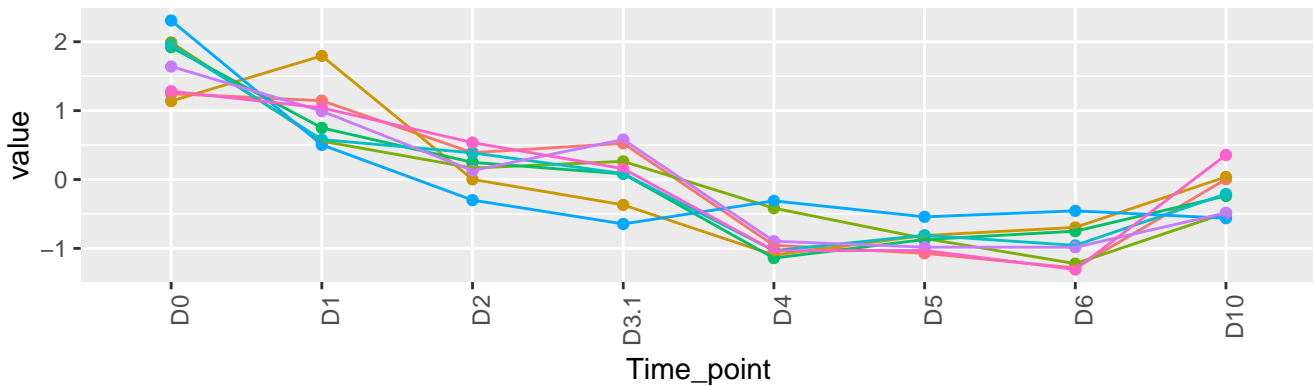
9 genes – WT-cluster-41-standardized



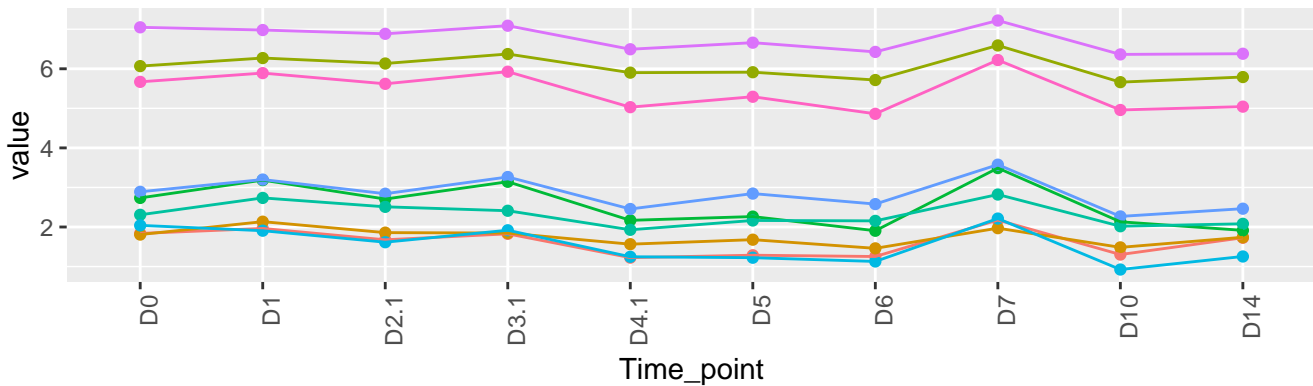
8 genes – KO-cluster-41-original



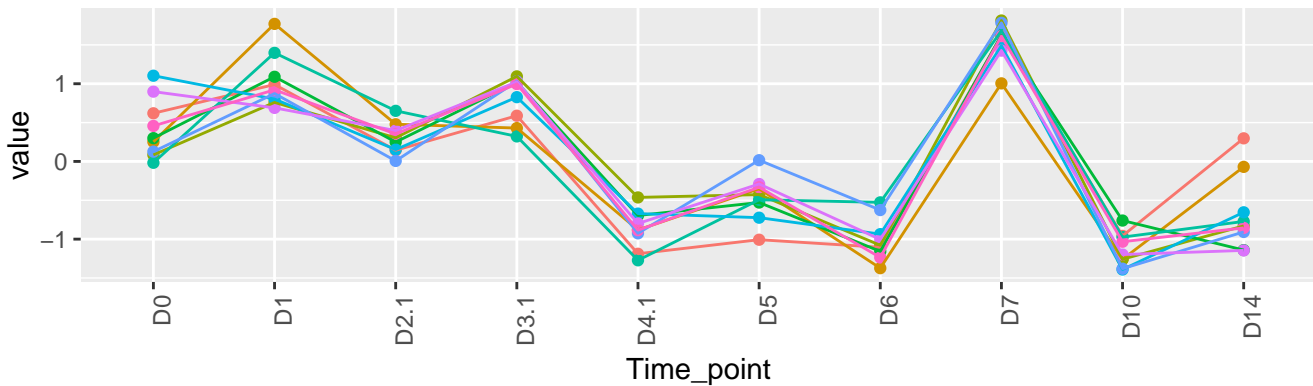
8 genes – KO-cluster-41-standardized



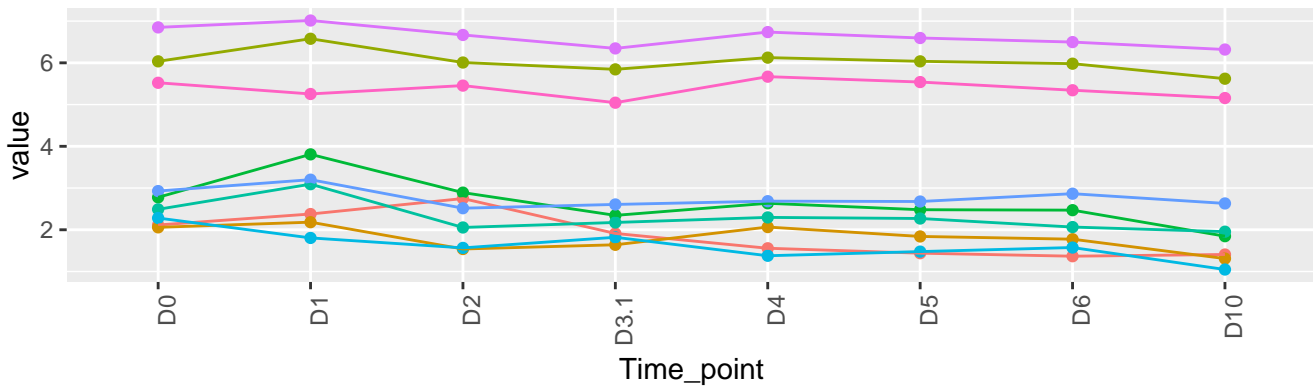
9 genes – WT-cluster-40-original



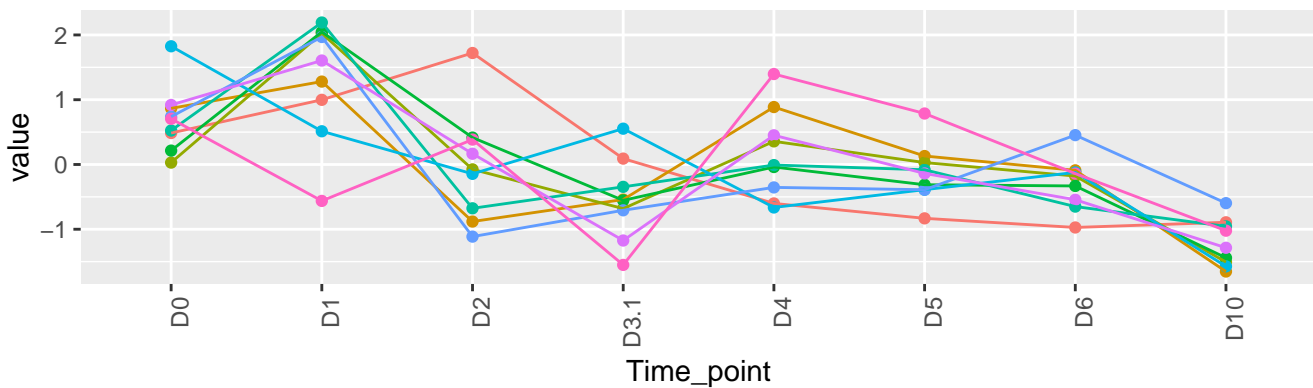
9 genes – WT-cluster-40-standardized



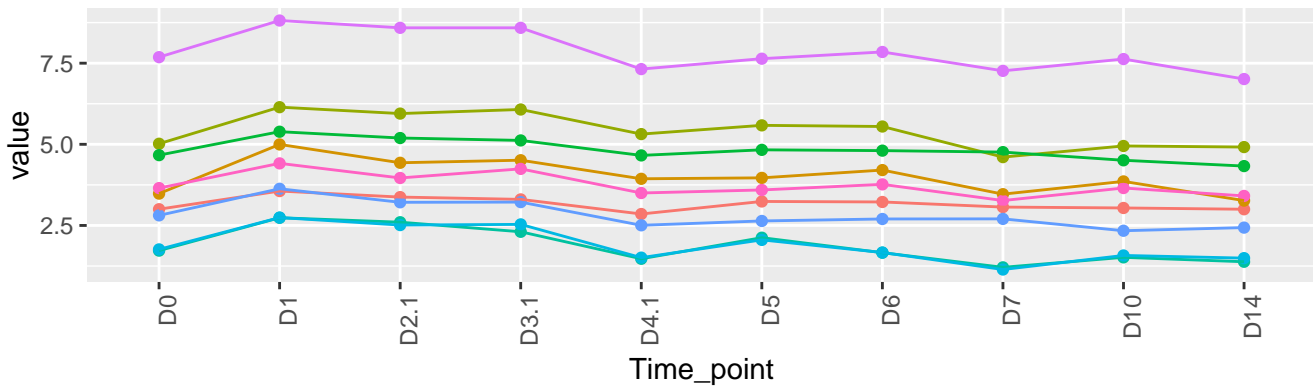
9 genes – KO-cluster-40-original



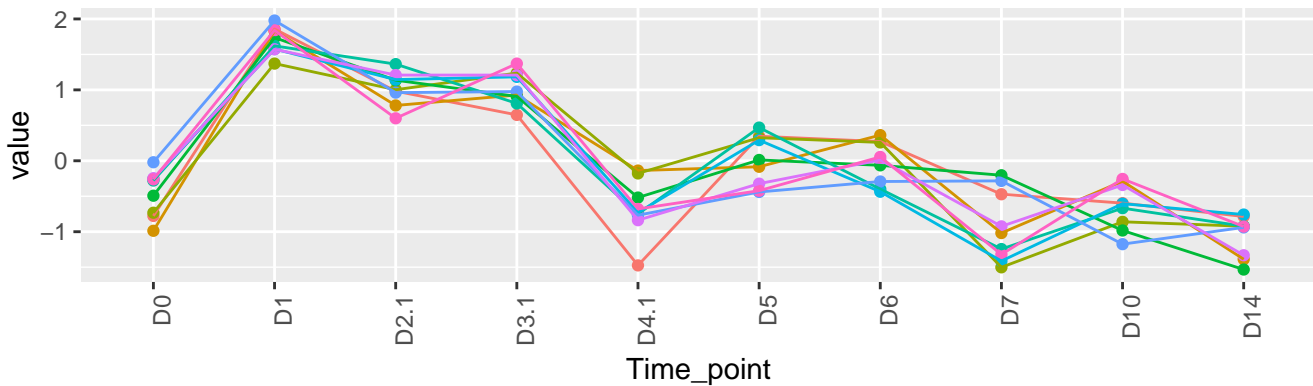
9 genes – KO-cluster-40-standardized



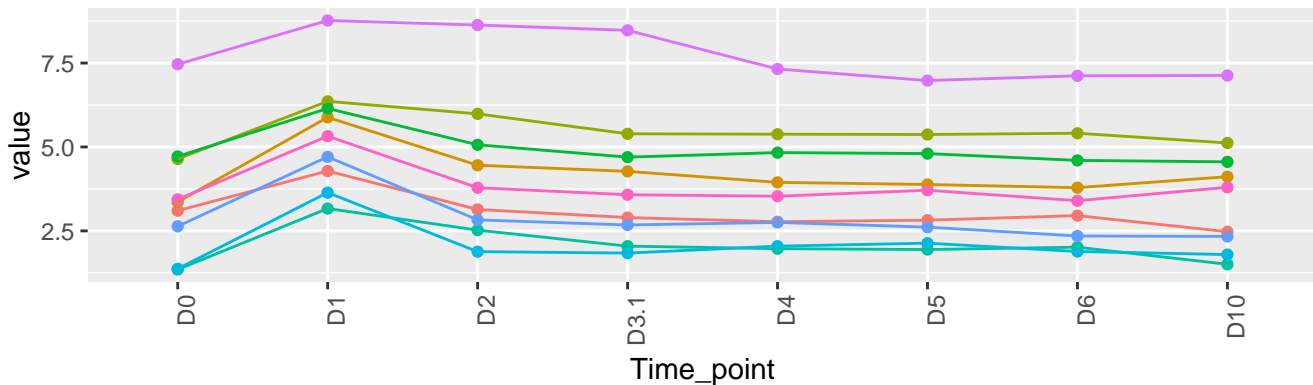
9 genes – WT-cluster-39-original



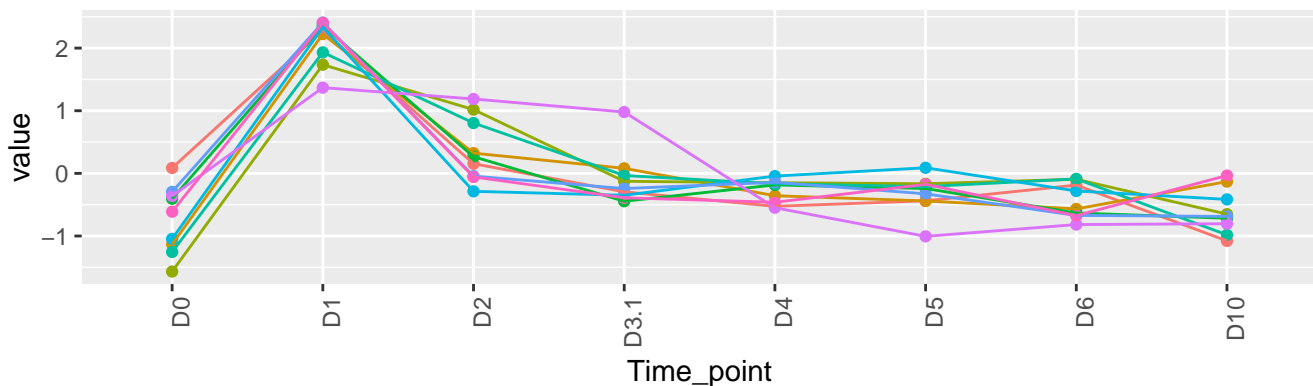
9 genes – WT-cluster-39-standardized



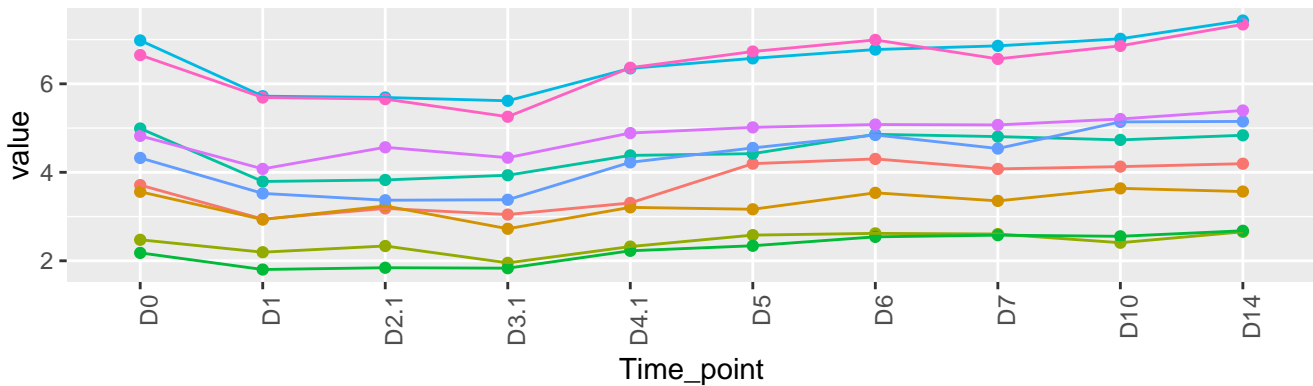
9 genes – KO-cluster-39-original



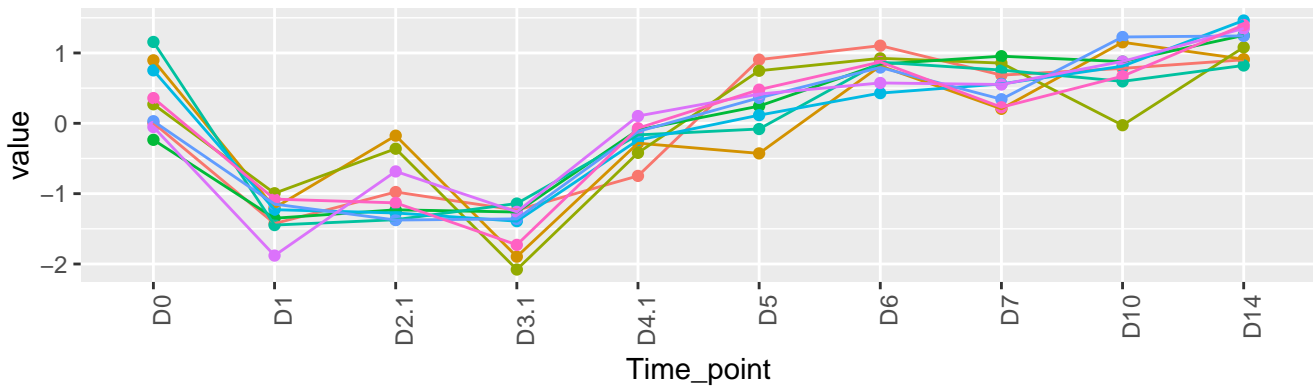
9 genes – KO-cluster-39-standardized



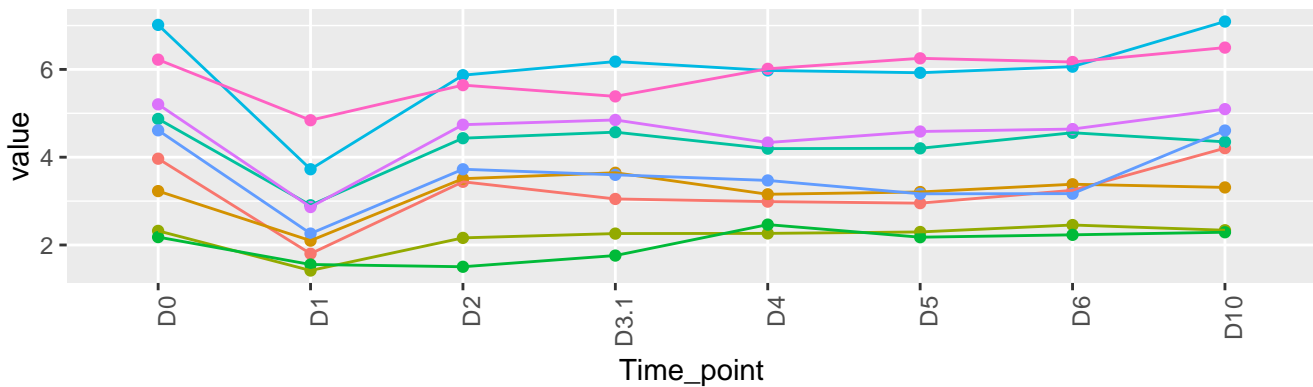
9 genes – WT-cluster-38-original



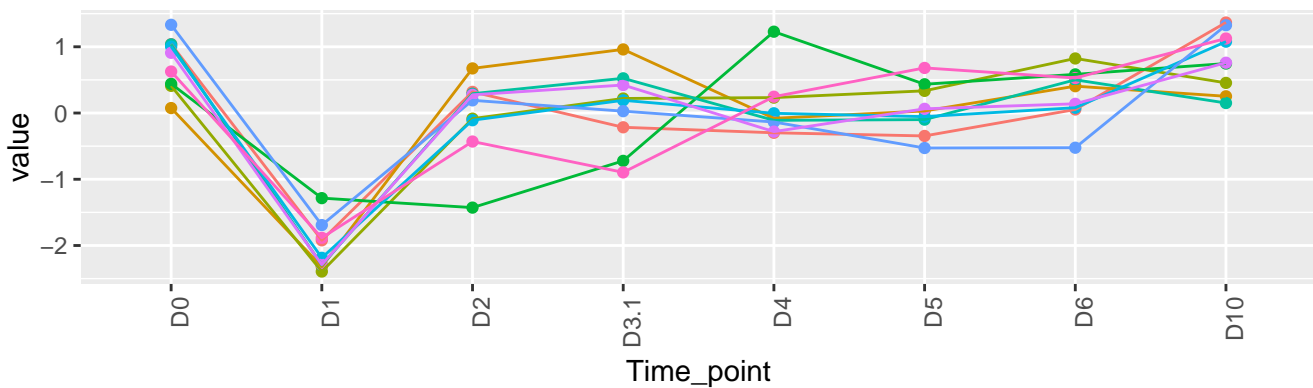
9 genes – WT-cluster-38-standardized



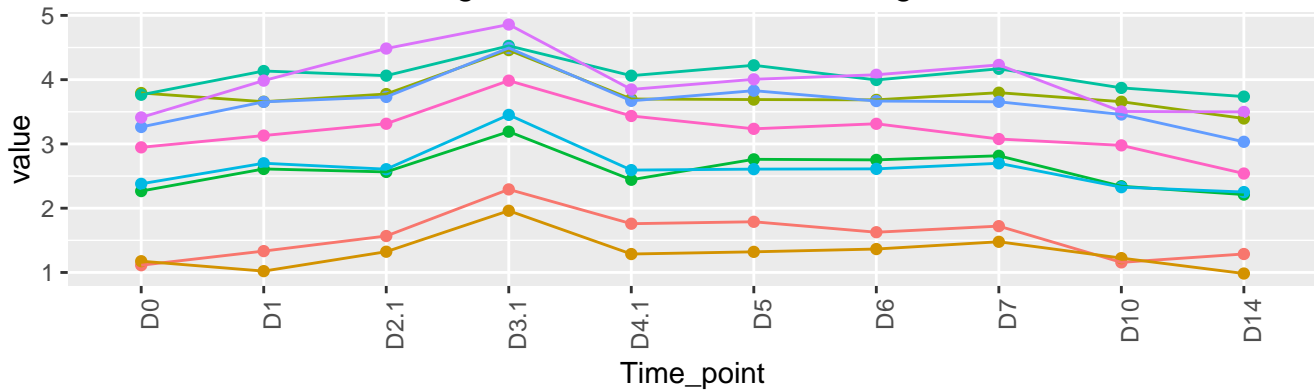
9 genes – KO-cluster-38-original



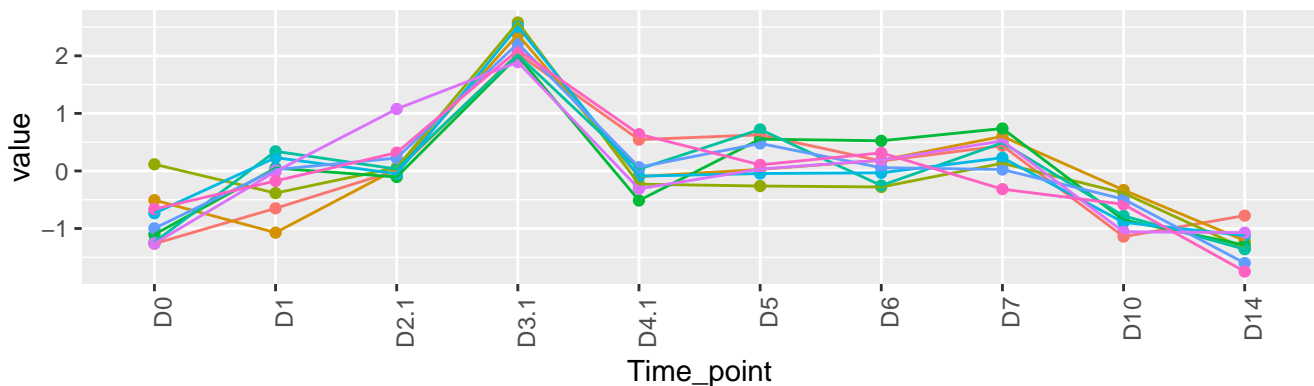
9 genes – KO-cluster-38-standardized



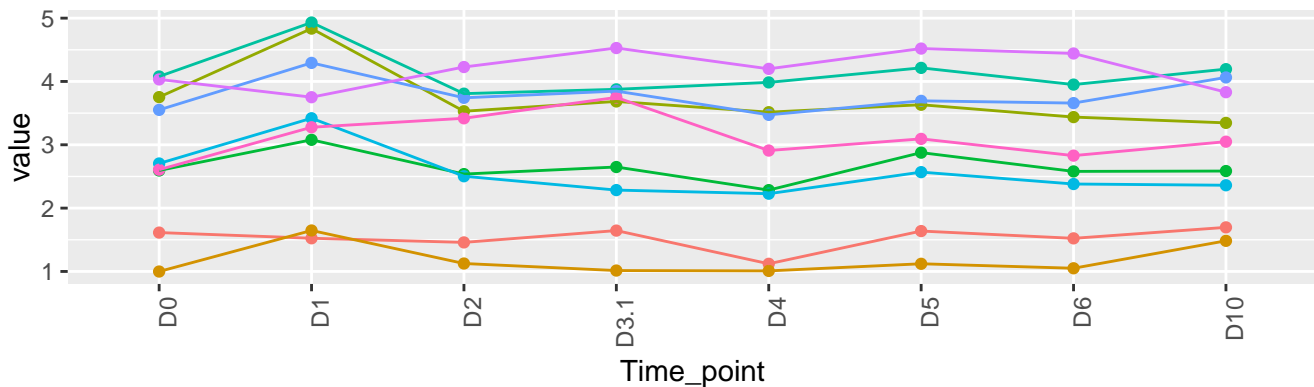
9 genes – WT-cluster-37-original



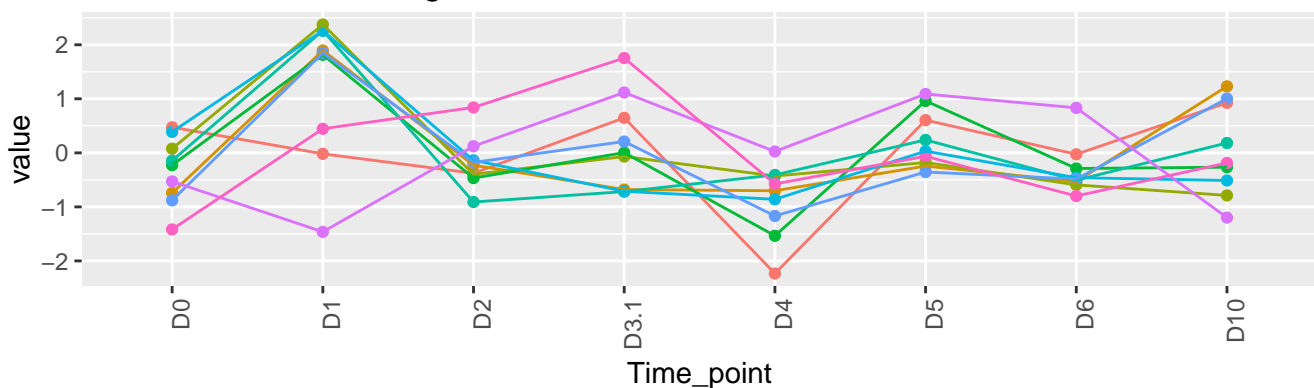
9 genes – WT-cluster-37-standardized



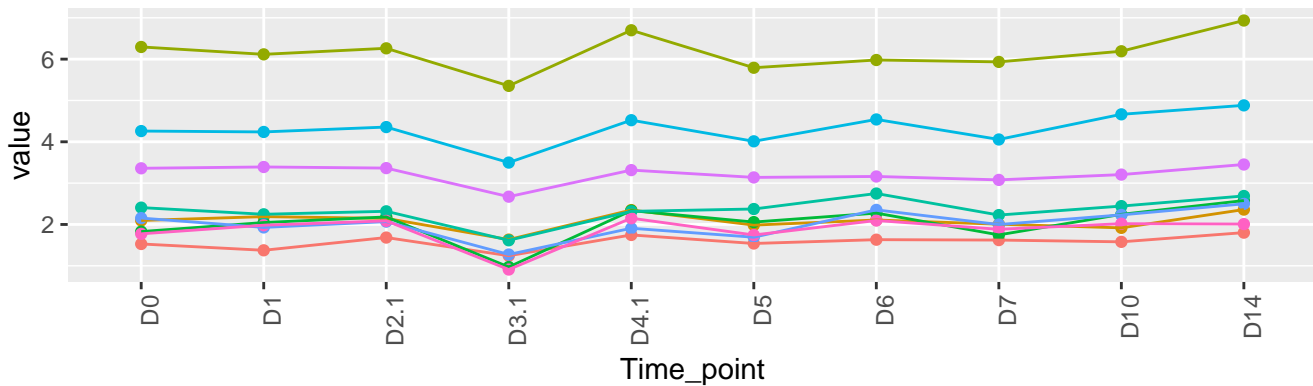
9 genes – KO-cluster-37-original



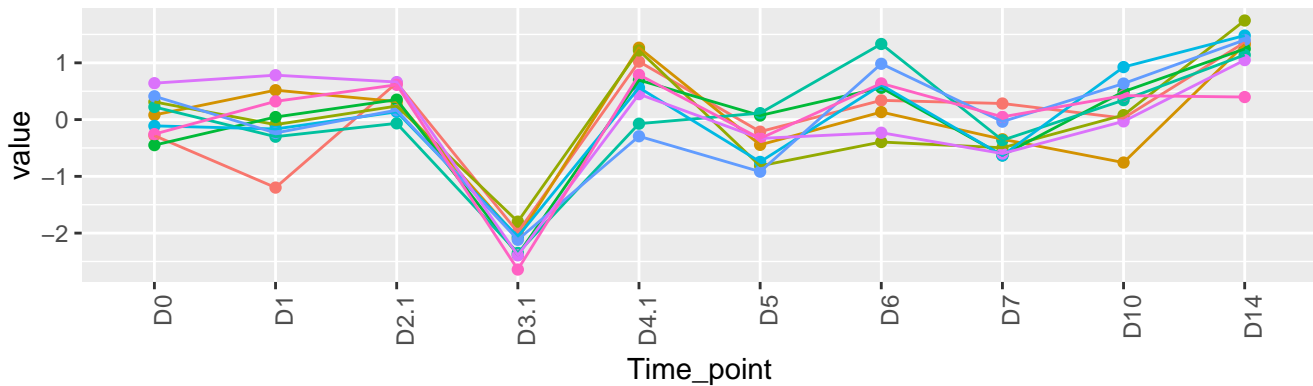
9 genes – KO-cluster-37-standardized



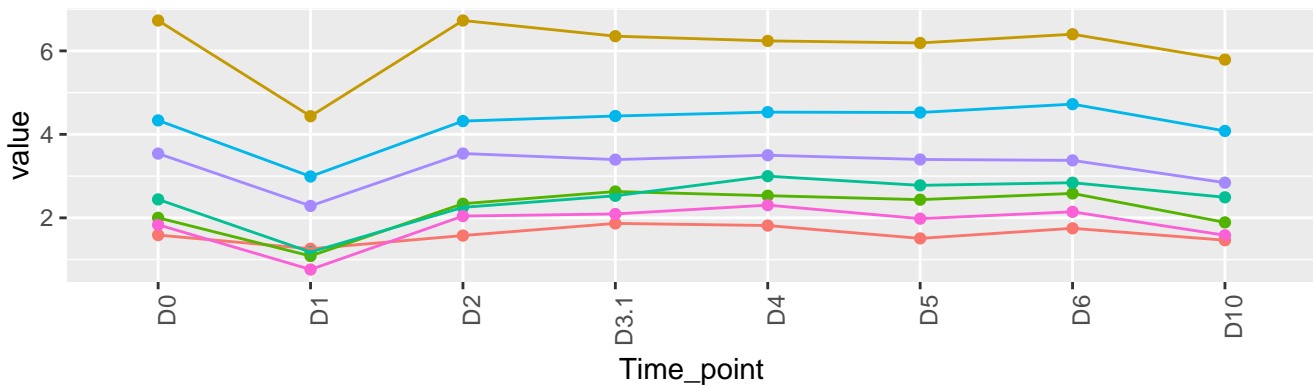
9 genes – WT-cluster-36-original



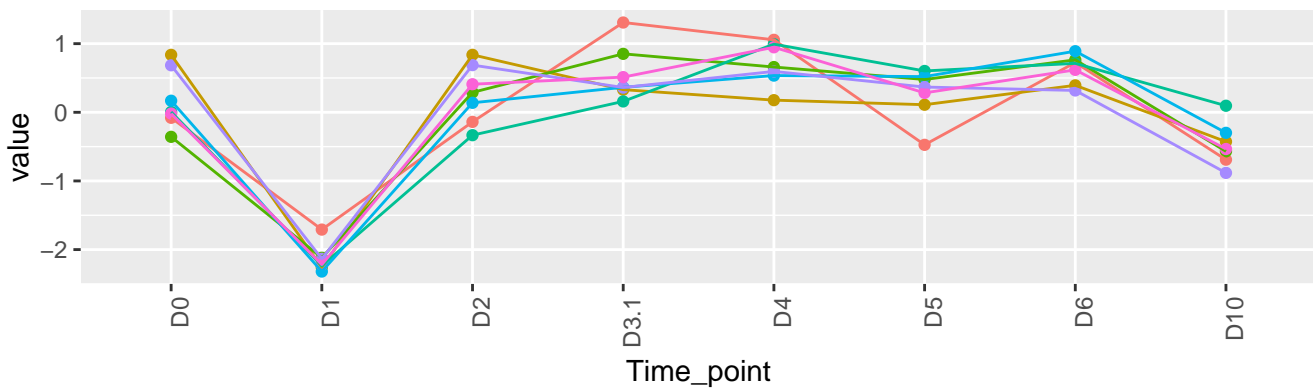
9 genes – WT-cluster-36-standardized



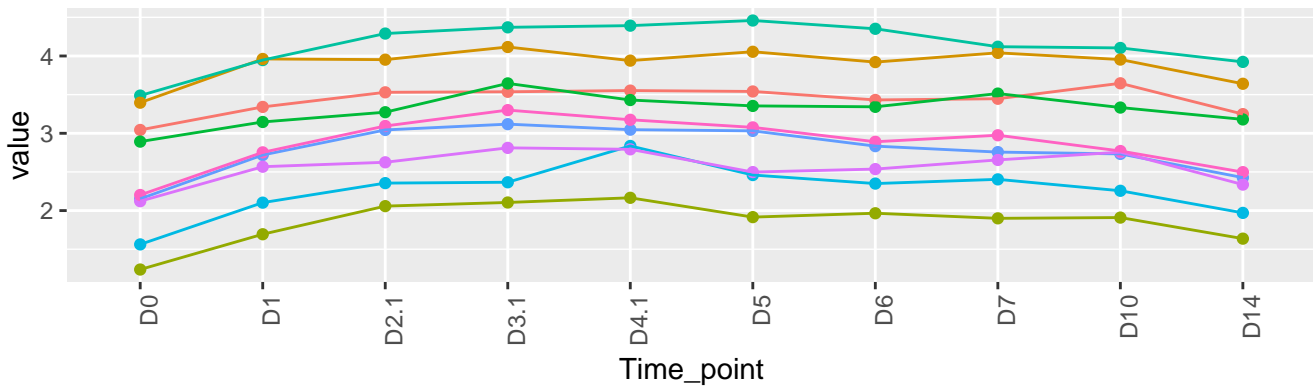
7 genes – KO-cluster-36-original



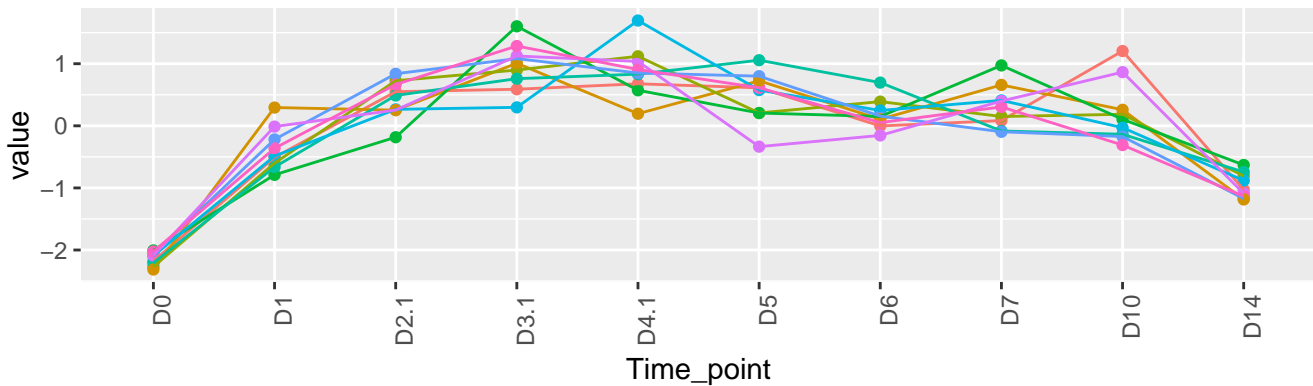
7 genes – KO-cluster-36-standardized



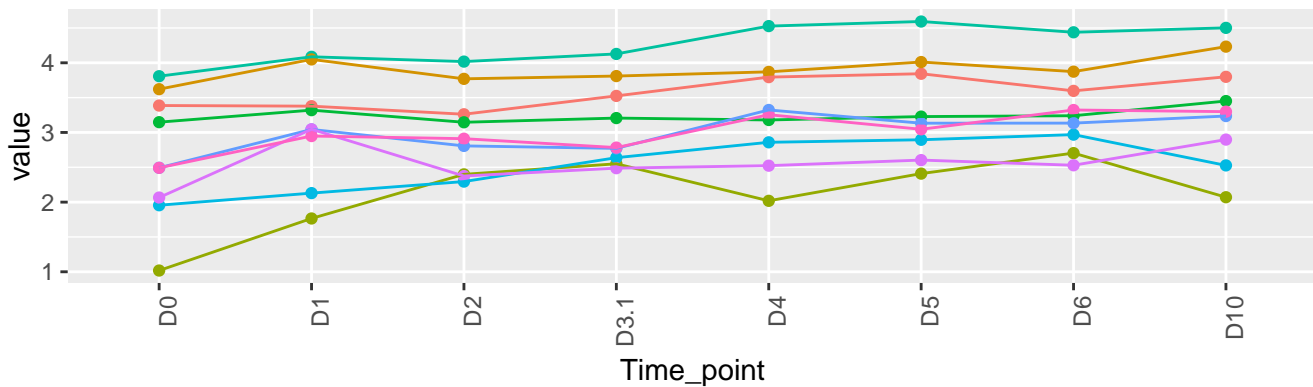
9 genes – WT-cluster-35-original



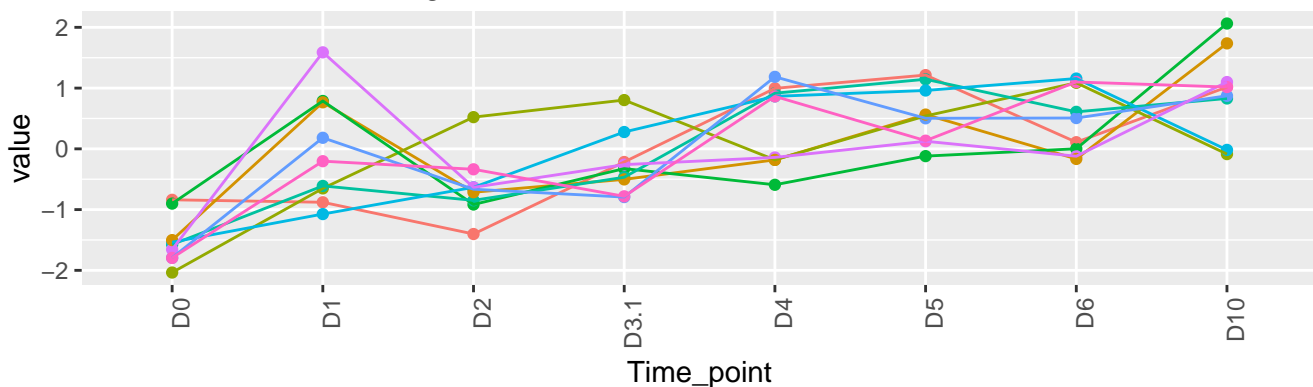
9 genes – WT-cluster-35-standardized



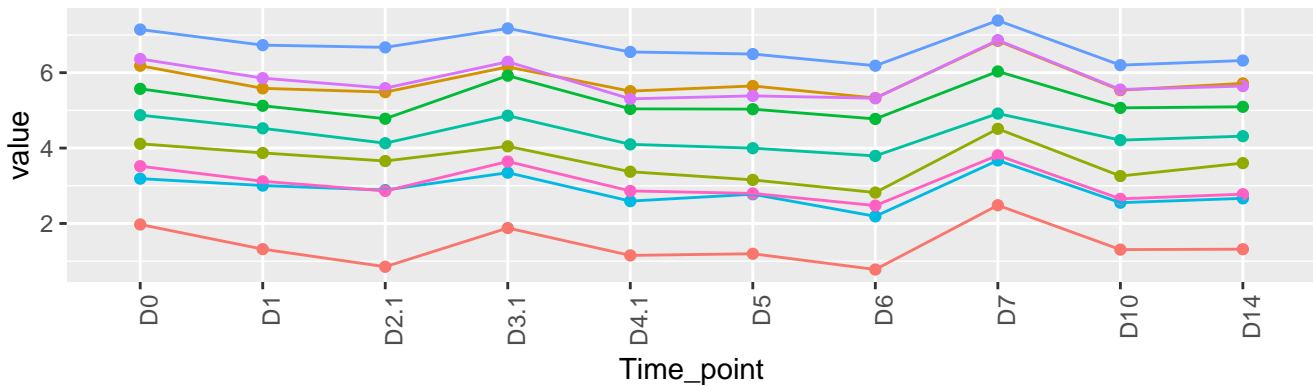
9 genes – KO-cluster-35-original



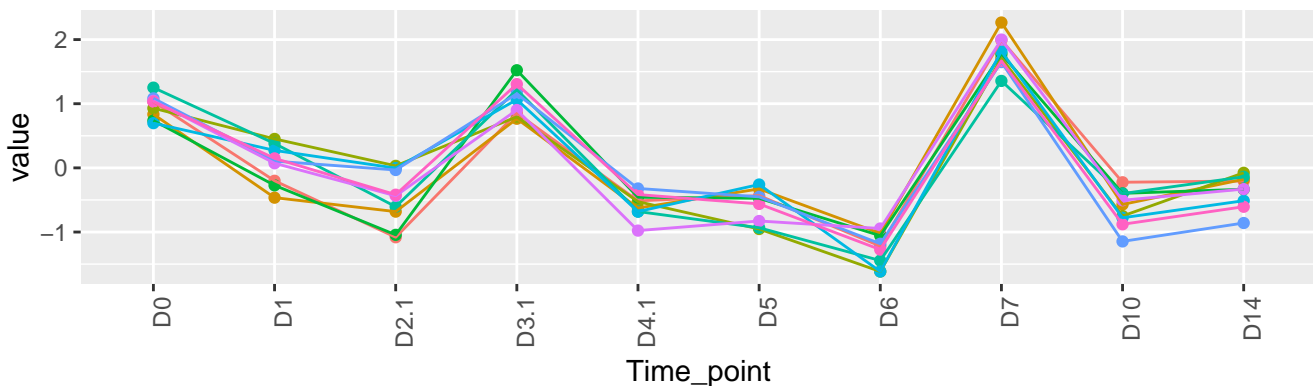
9 genes – KO-cluster-35-standardized



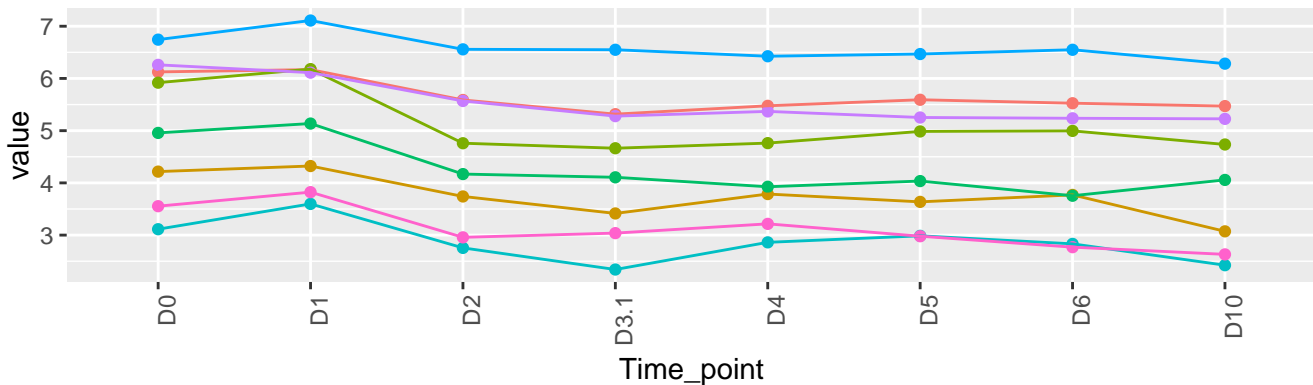
9 genes – WT-cluster-34-original



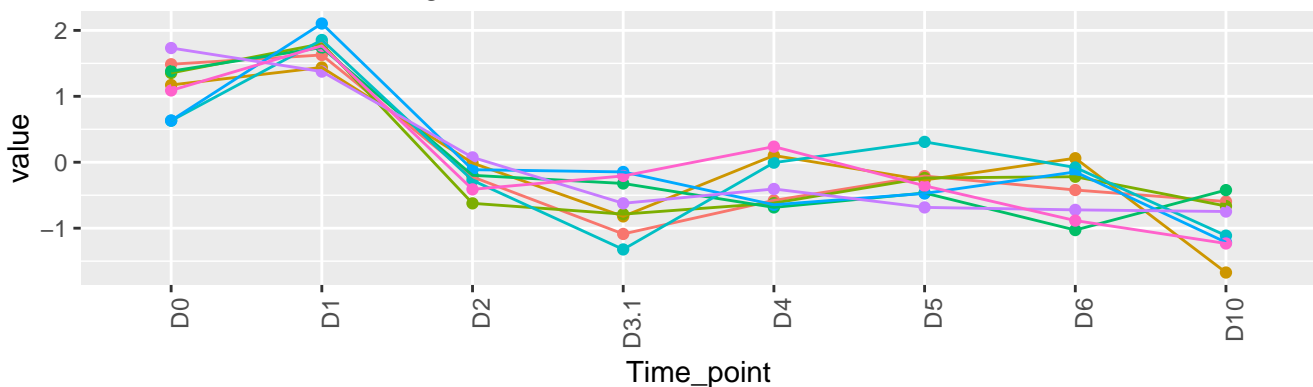
9 genes – WT-cluster-34-standardized



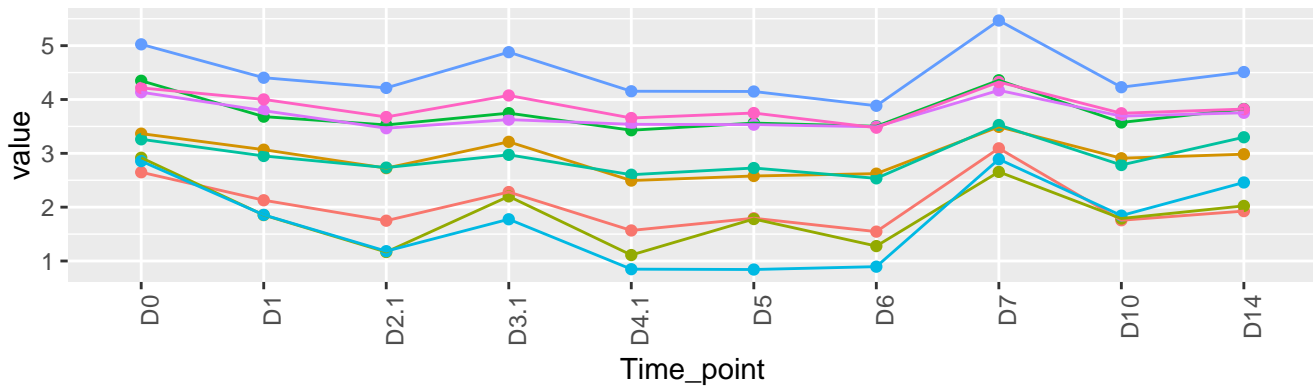
8 genes – KO-cluster-34-original



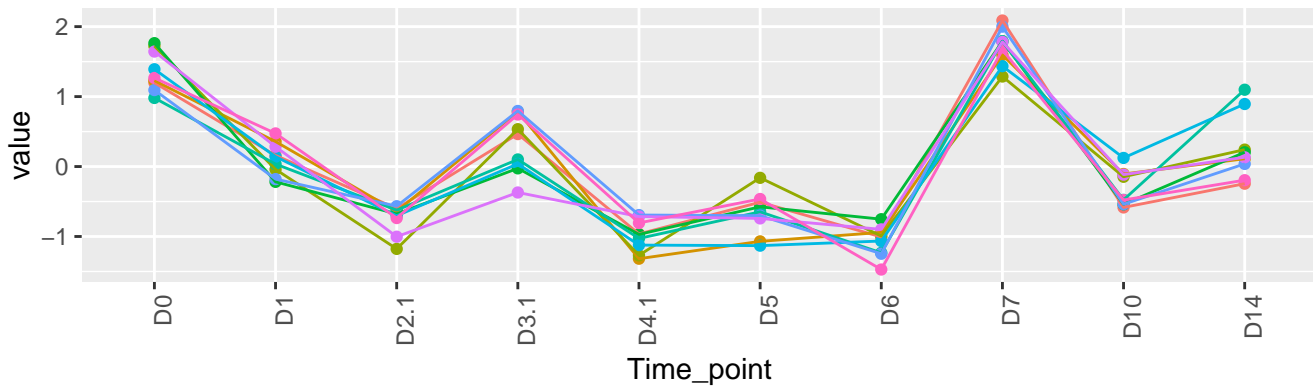
8 genes – KO-cluster-34-standardized



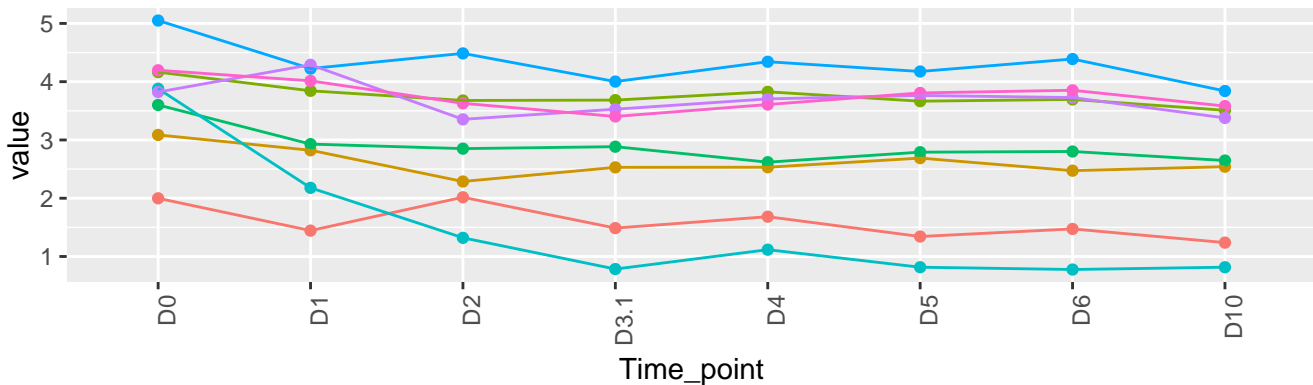
9 genes – WT-cluster-33-original



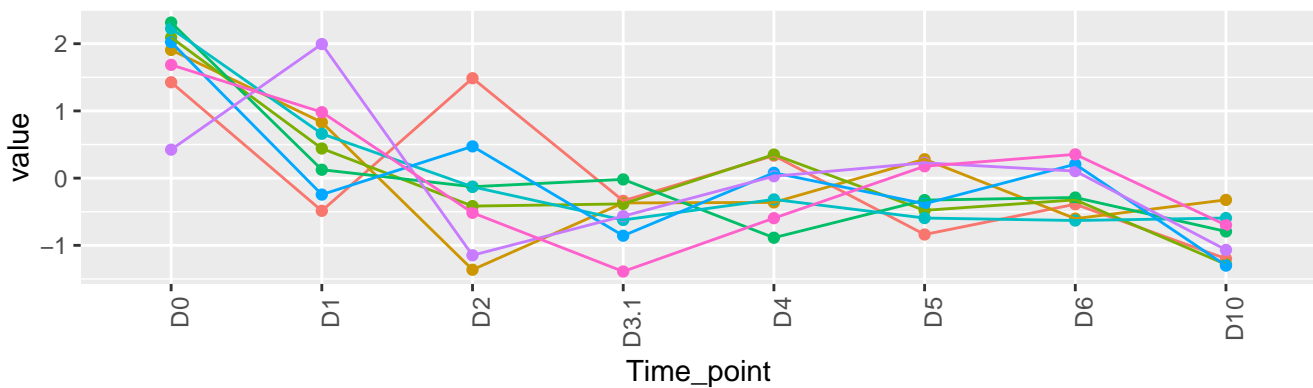
9 genes – WT-cluster-33-standardized



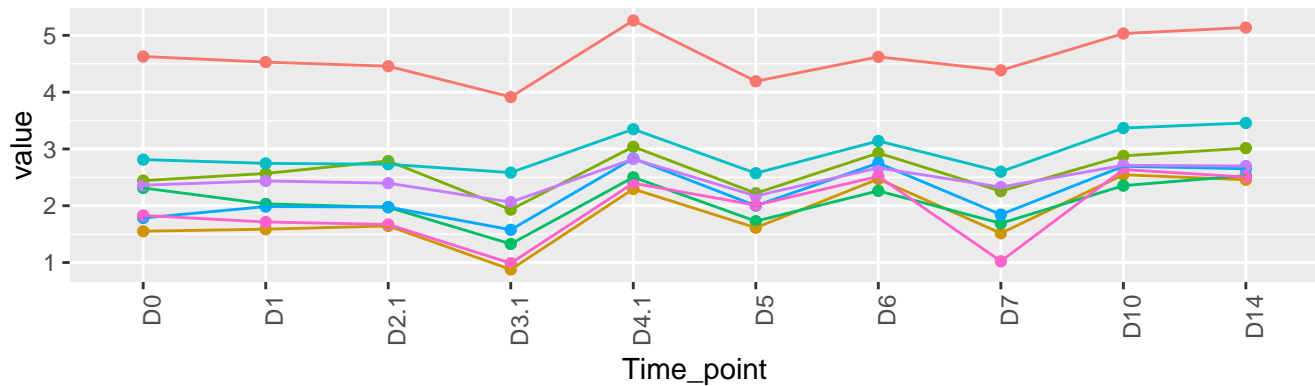
8 genes – KO-cluster-33-original



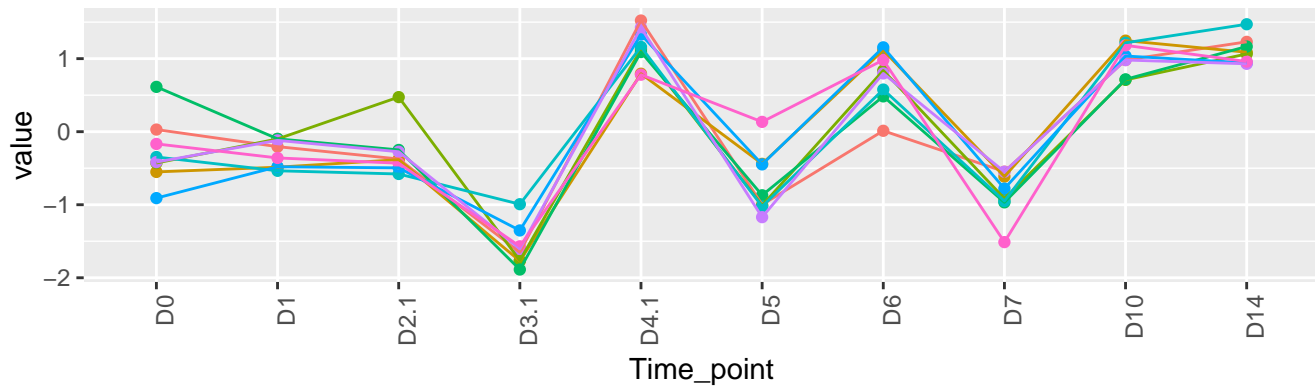
8 genes – KO-cluster-33-standardized



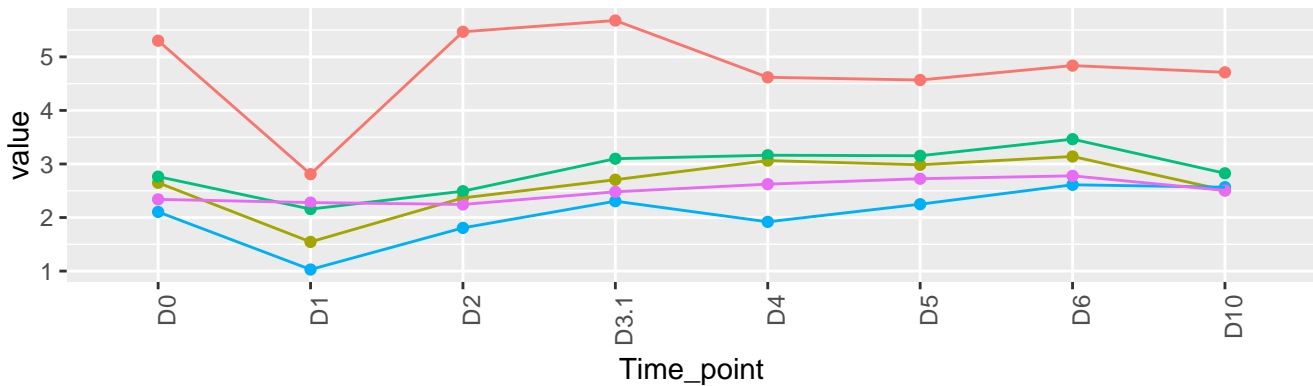
8 genes – WT-cluster-32-original



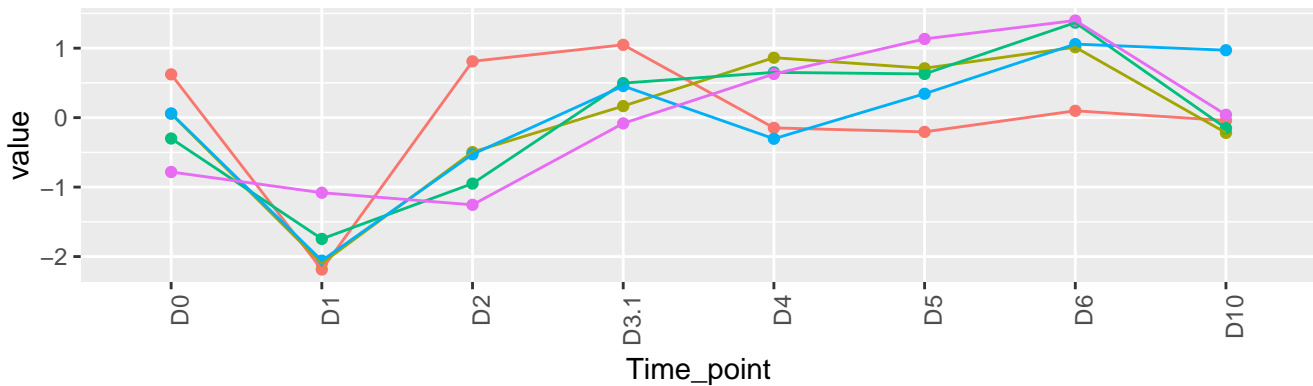
8 genes – WT-cluster-32-standardized



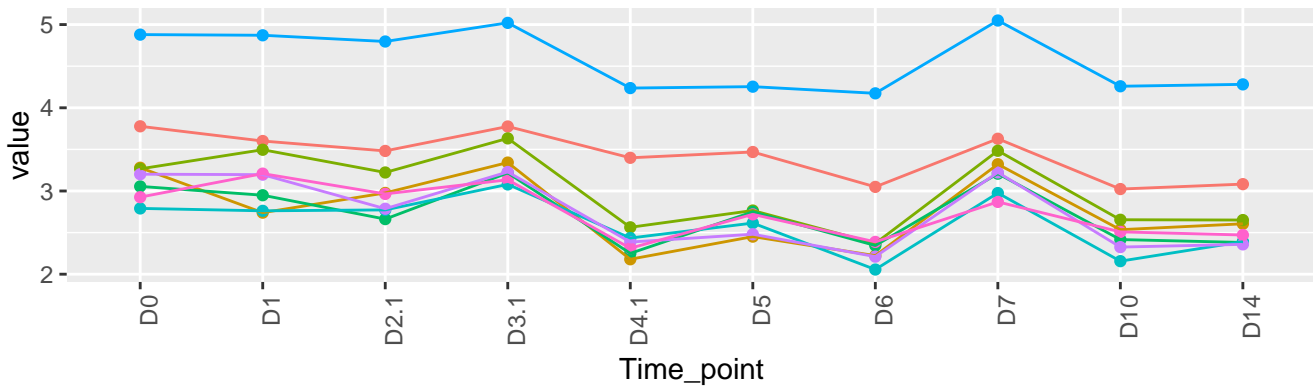
5 genes – KO-cluster-32-original



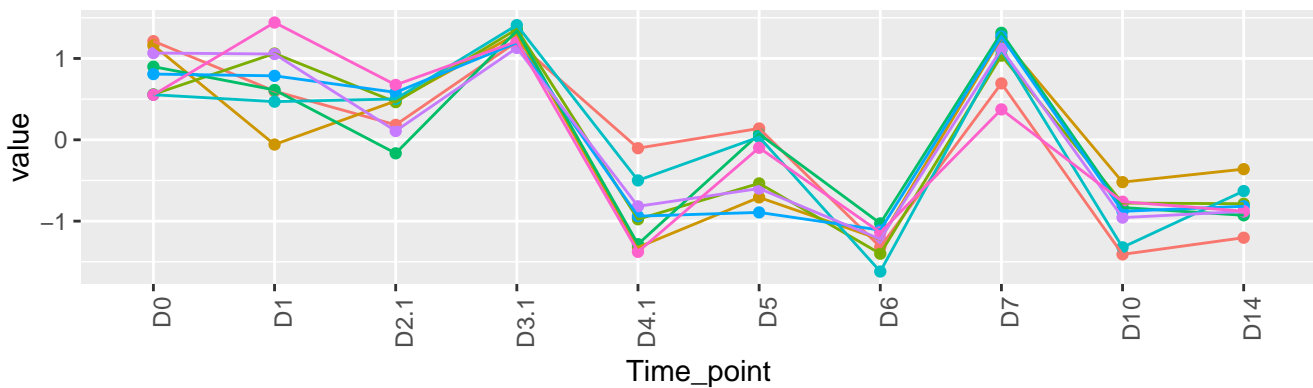
5 genes – KO-cluster-32-standardized



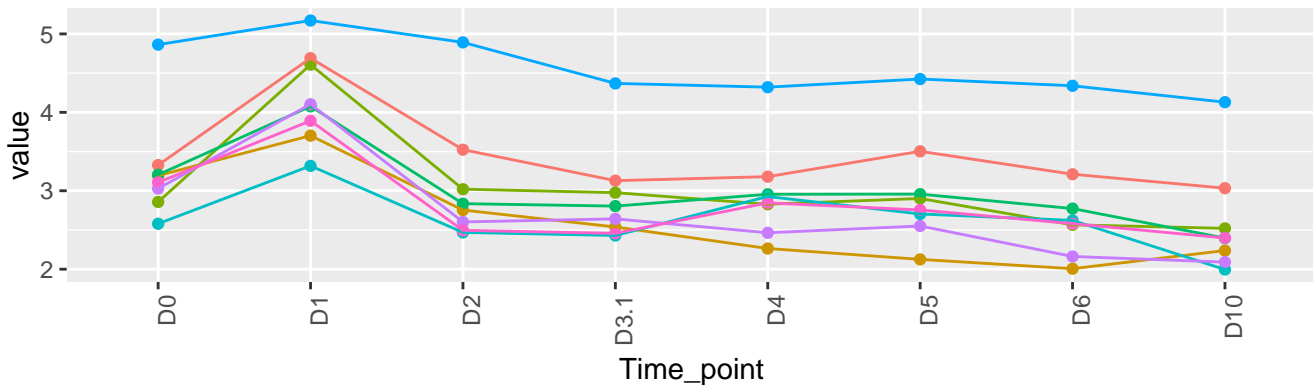
8 genes – WT-cluster-31-original



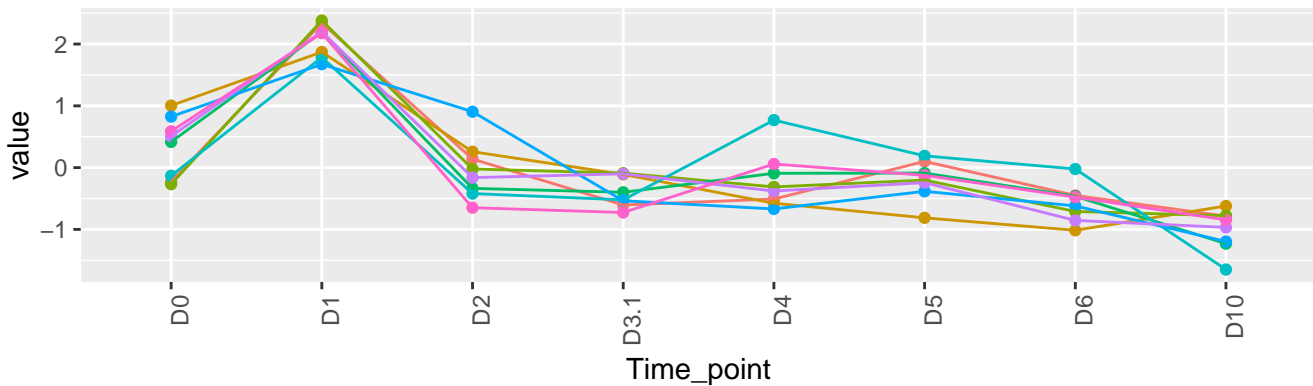
8 genes – WT-cluster-31-standardized



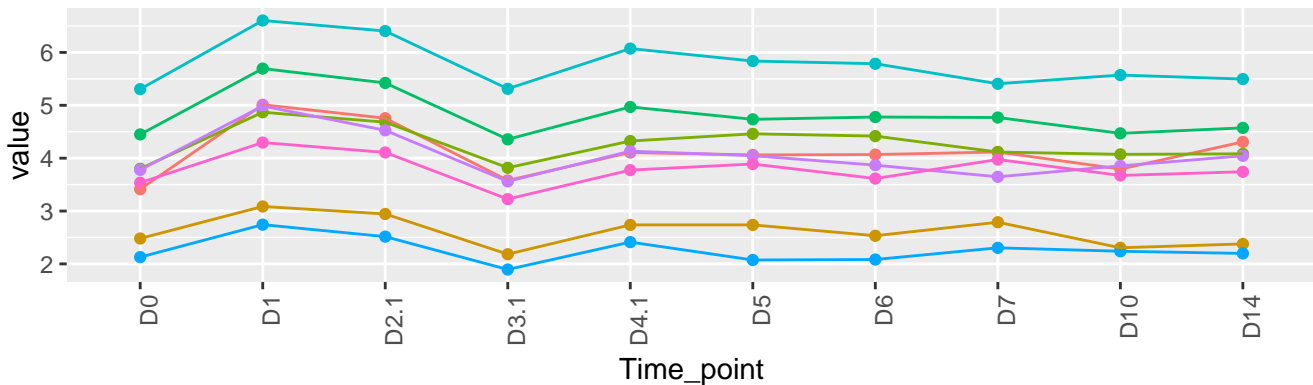
8 genes – KO-cluster-31-original



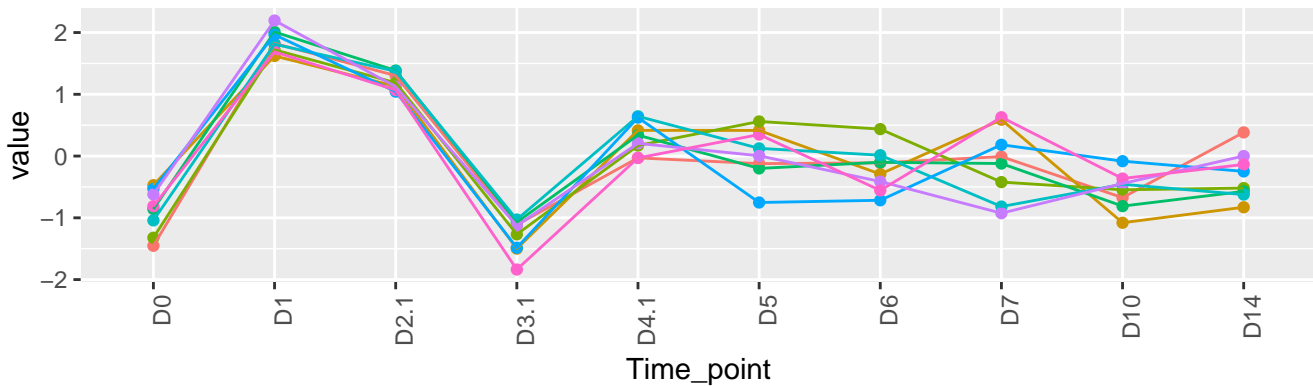
8 genes – KO-cluster-31-standardized



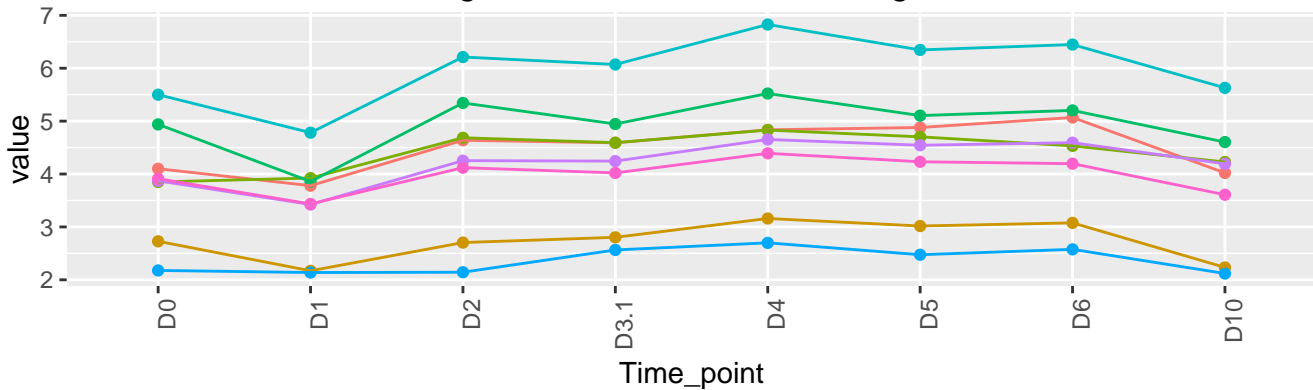
8 genes – WT-cluster-30-original



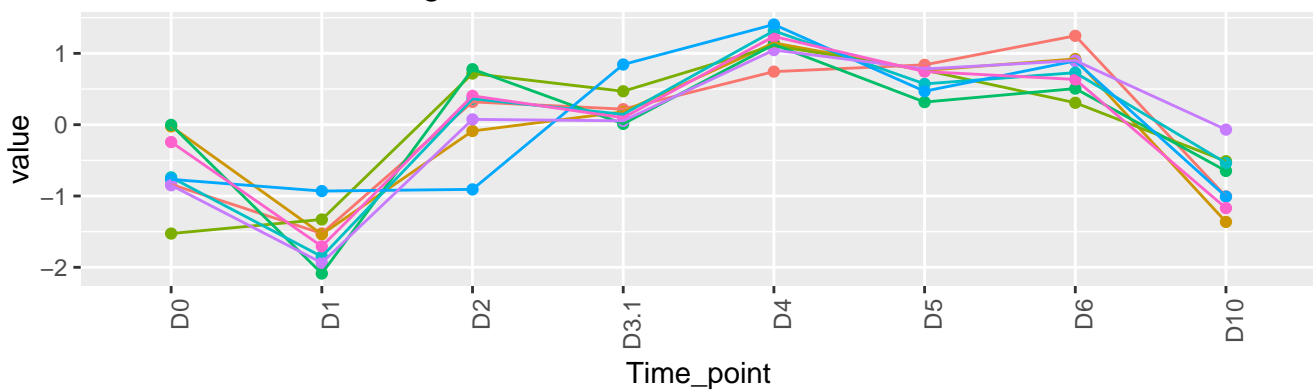
8 genes – WT-cluster-30-standardized



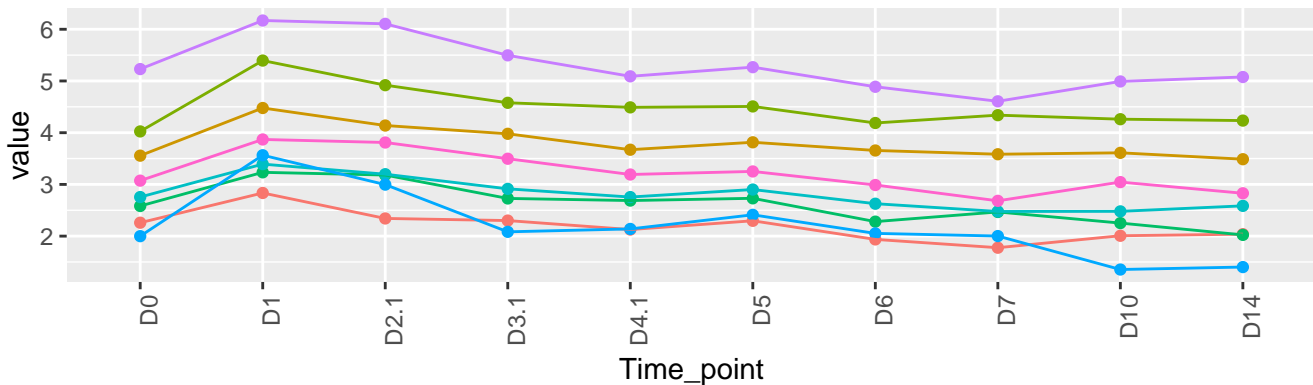
8 genes – KO-cluster-30-original



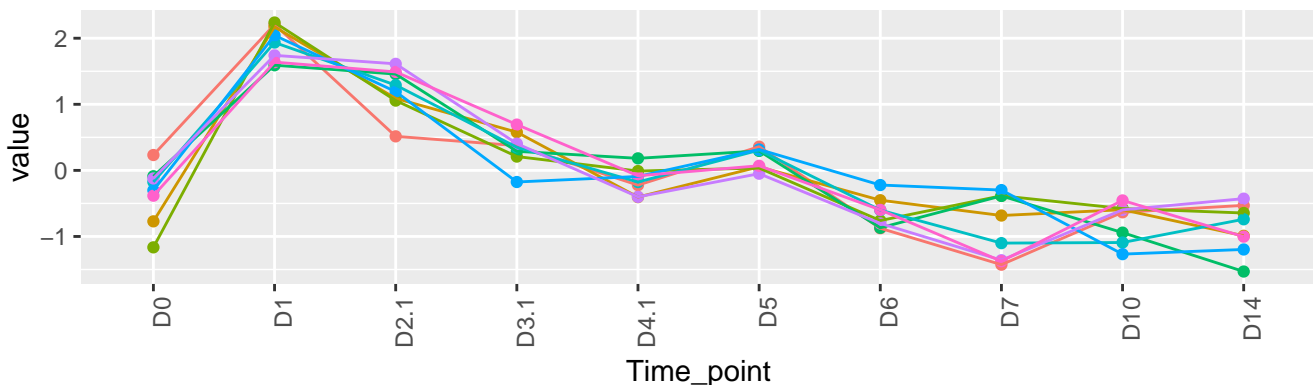
8 genes – KO-cluster-30-standardized



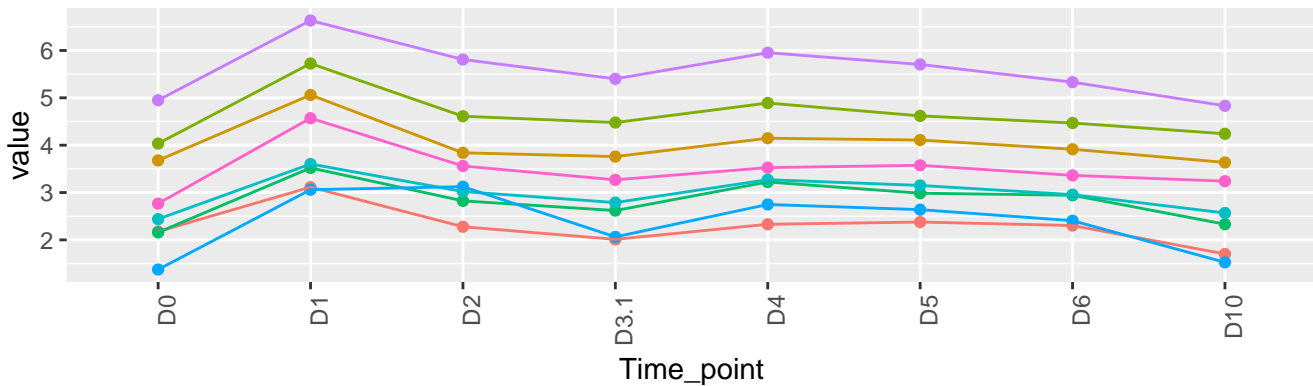
8 genes – WT-cluster-29-original



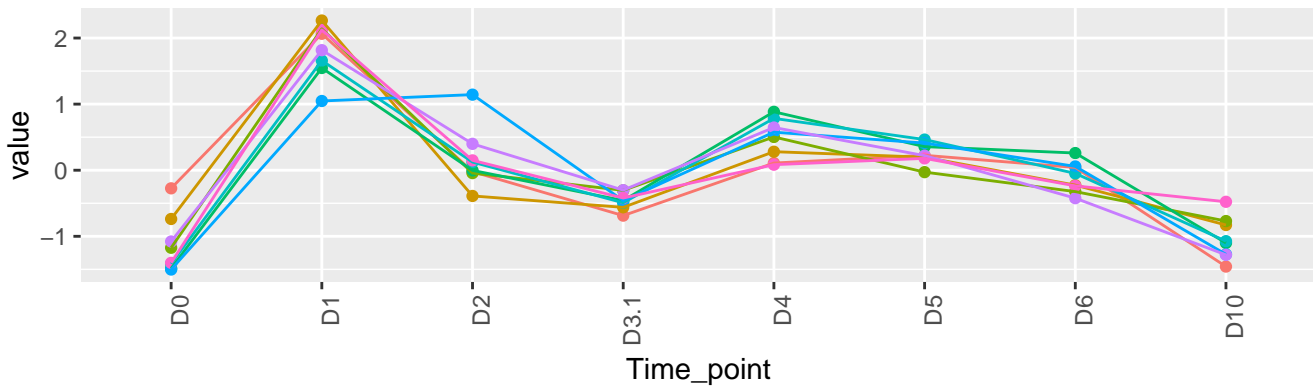
8 genes – WT-cluster-29-standardized



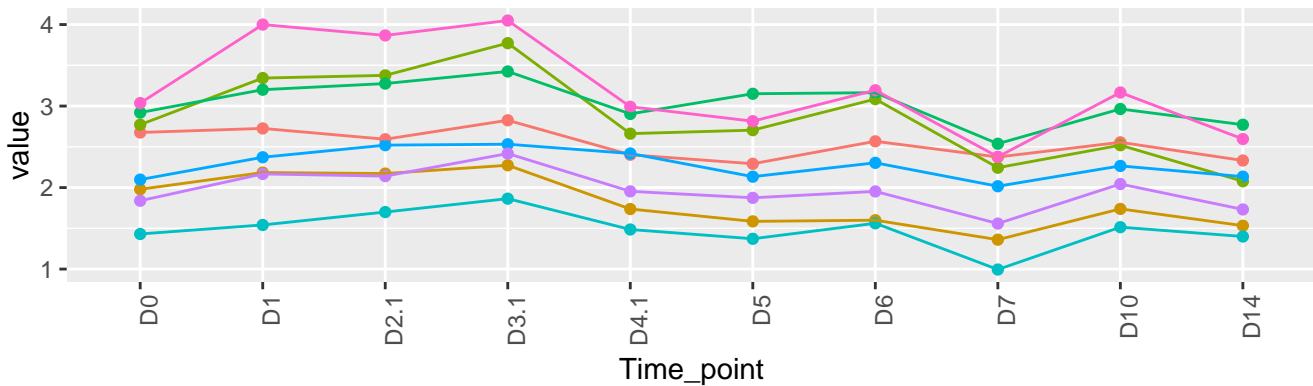
8 genes – KO-cluster-29-original



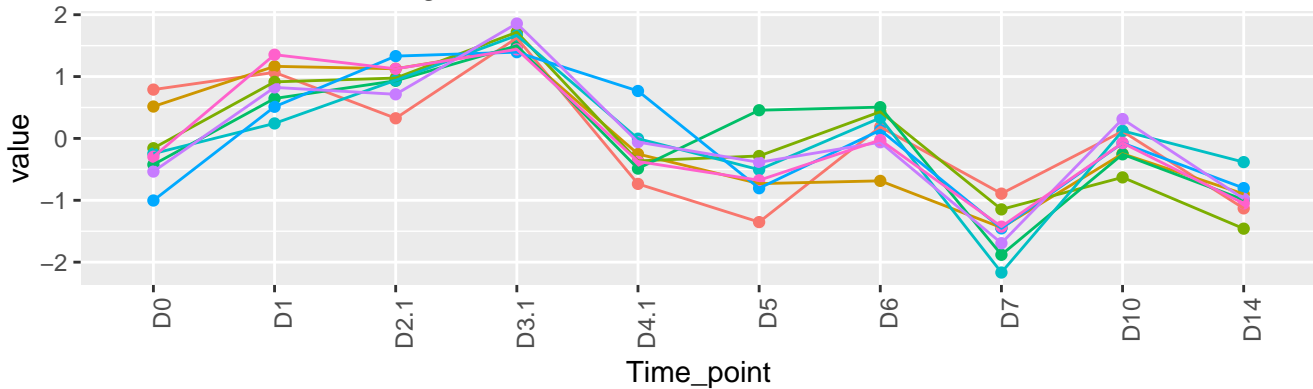
8 genes – KO-cluster-29-standardized



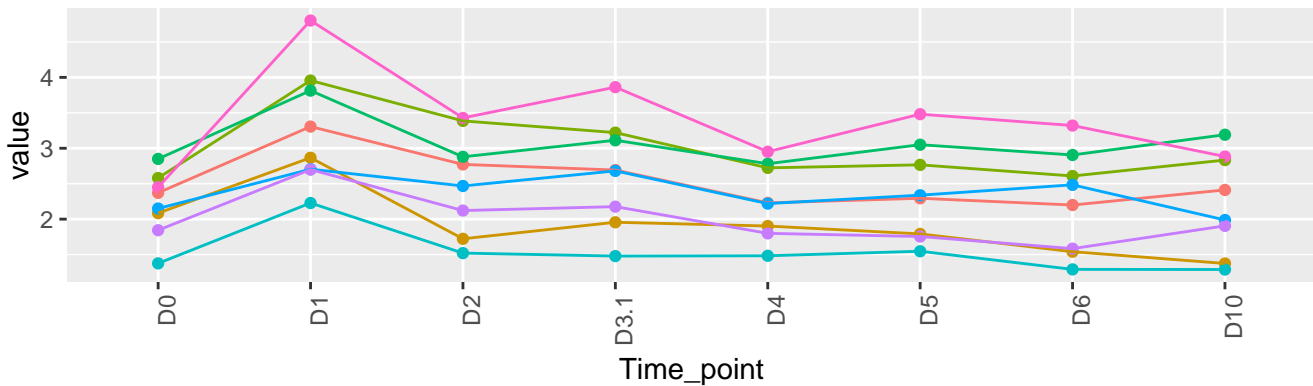
8 genes – WT-cluster-28-original



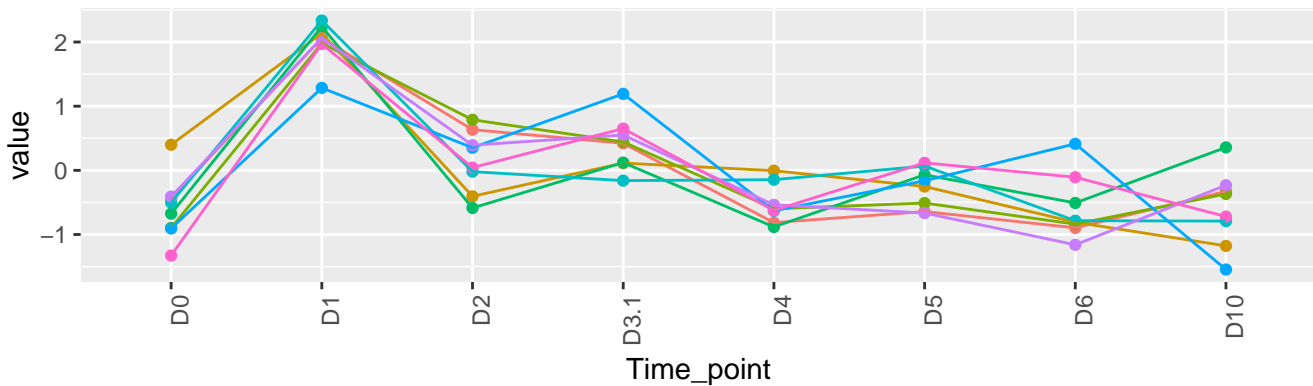
8 genes – WT-cluster-28-standardized



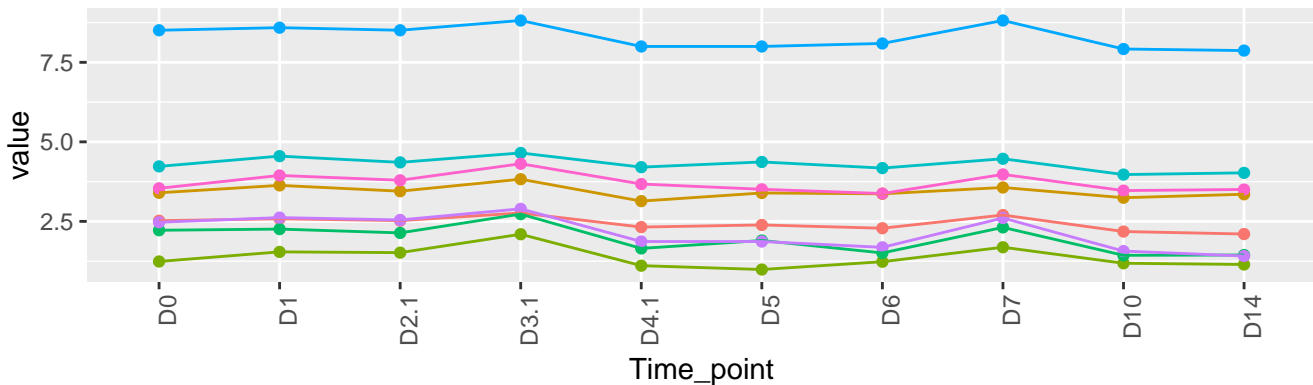
8 genes – KO-cluster-28-original



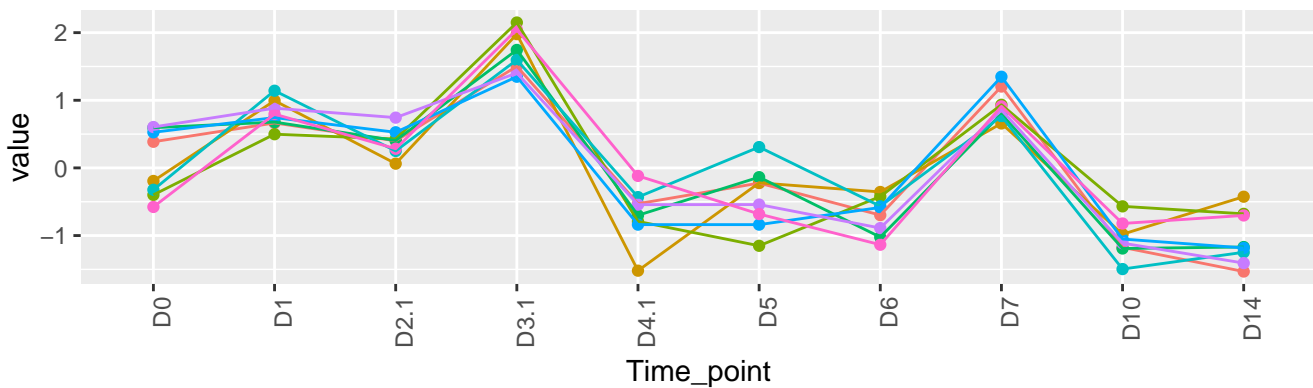
8 genes – KO-cluster-28-standardized



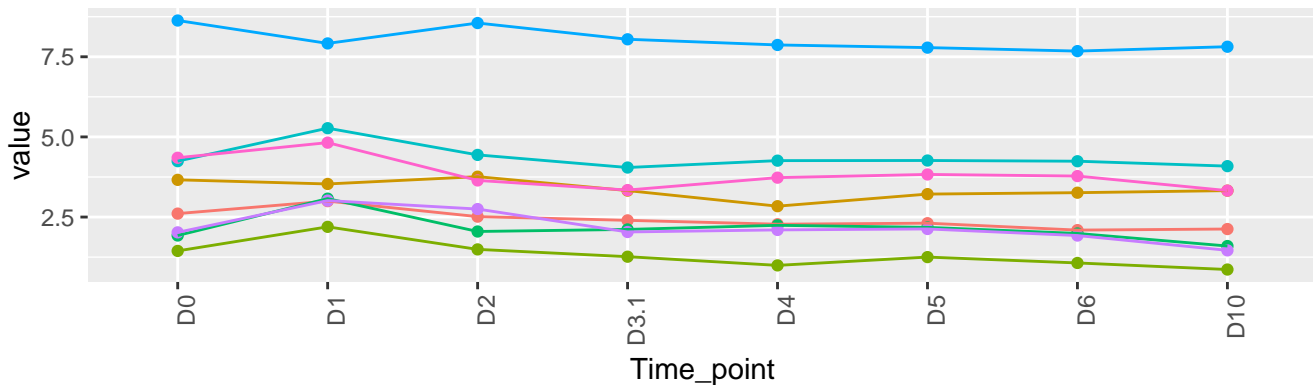
8 genes – WT-cluster-27-original



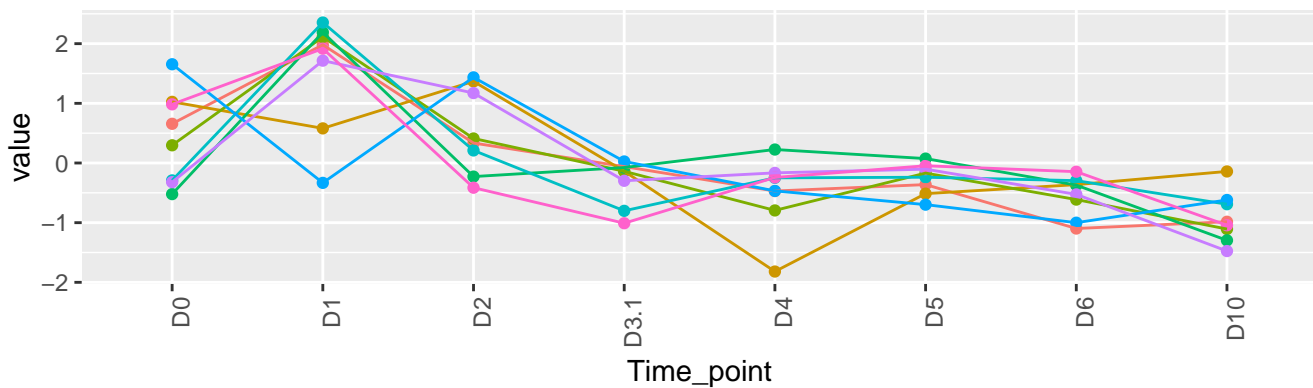
8 genes – WT-cluster-27-standardized



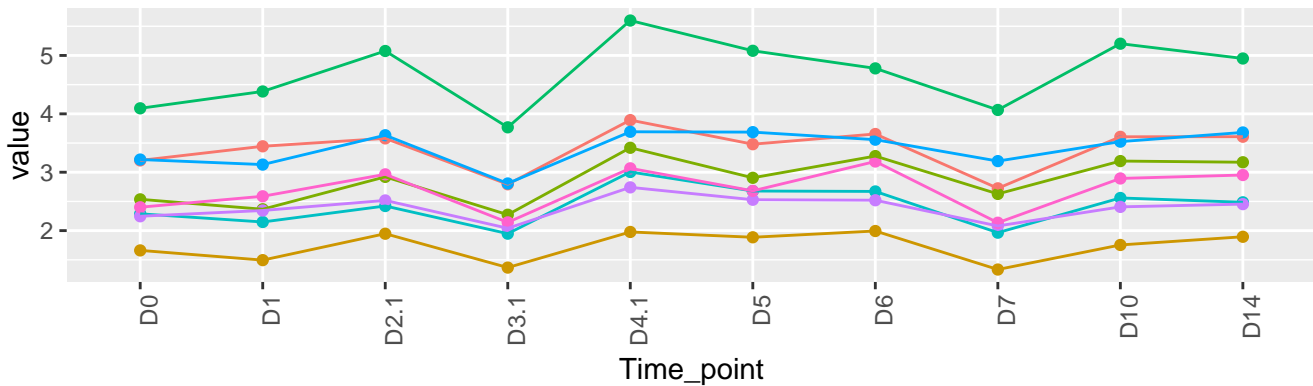
8 genes – KO-cluster-27-original



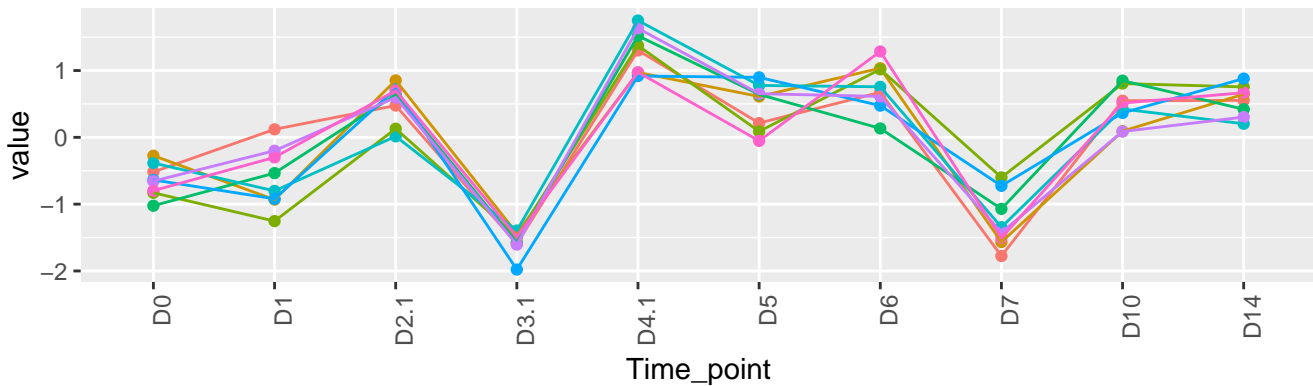
8 genes – KO-cluster-27-standardized



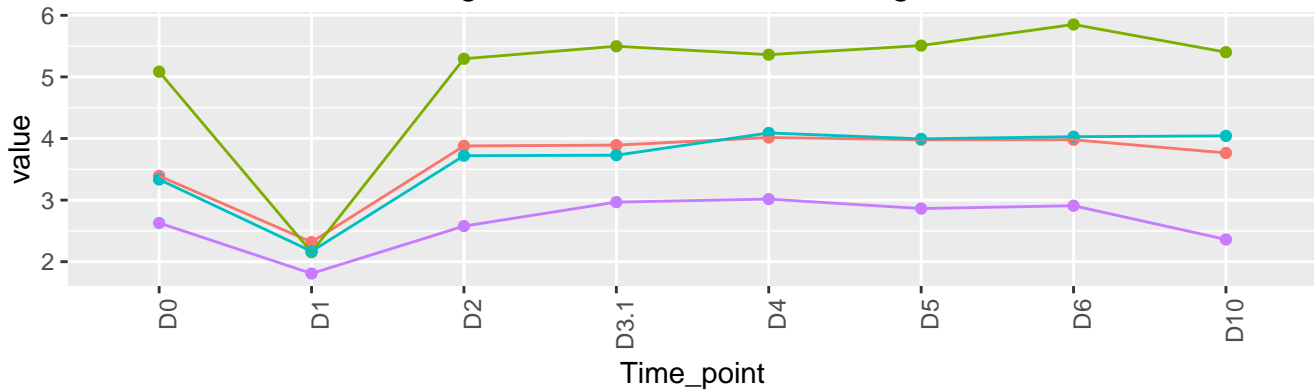
8 genes – WT-cluster-26-original



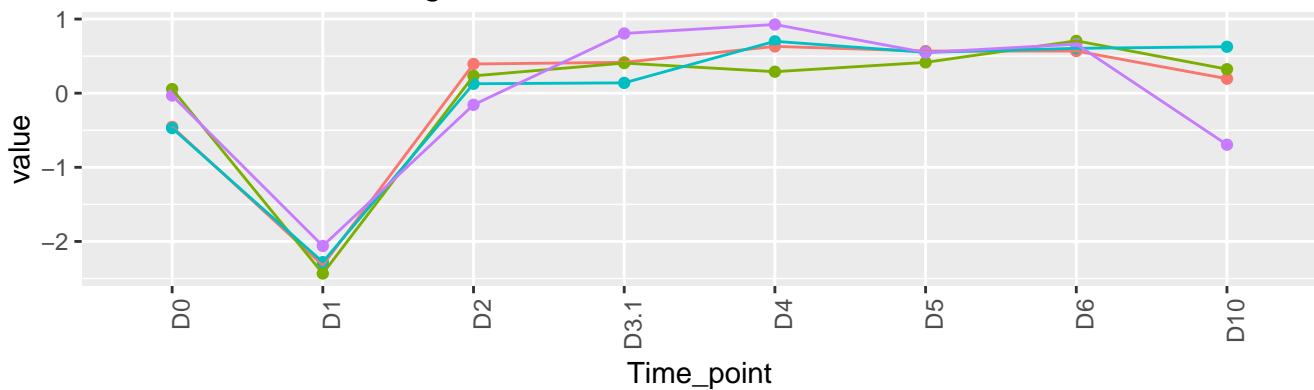
8 genes – WT-cluster-26-standardized



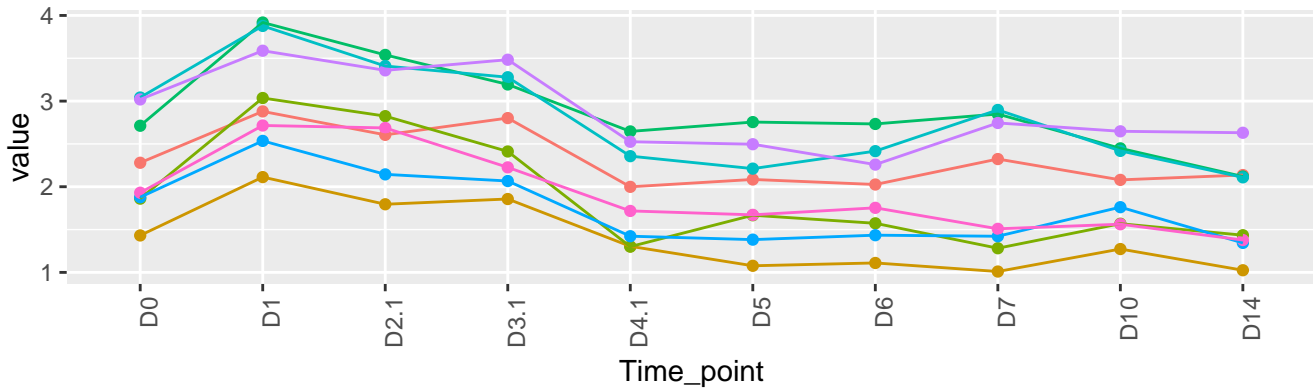
4 genes – KO-cluster-26-original



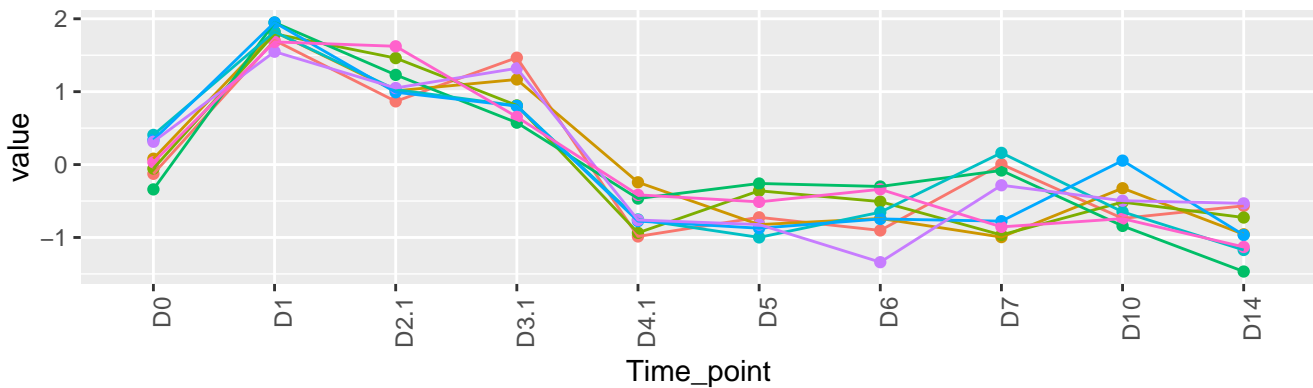
4 genes – KO-cluster-26-standardized



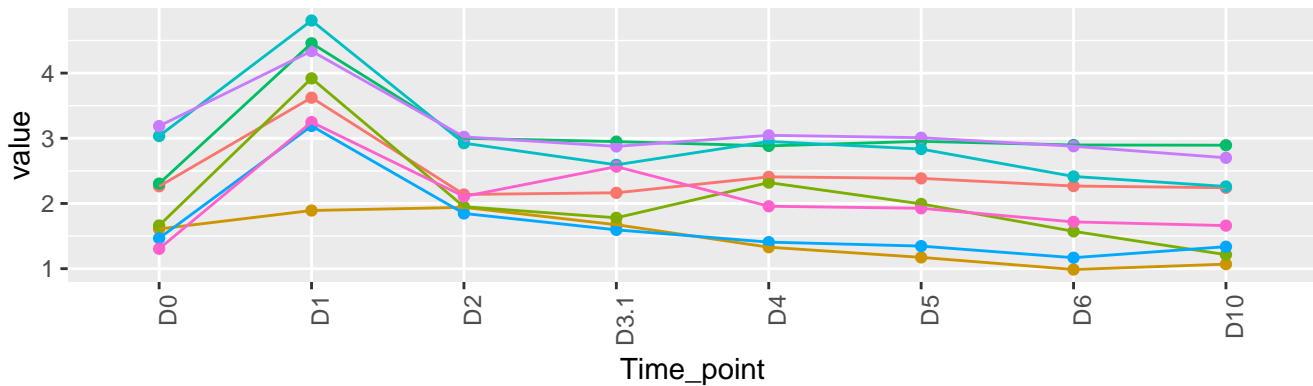
8 genes – WT-cluster-25-original



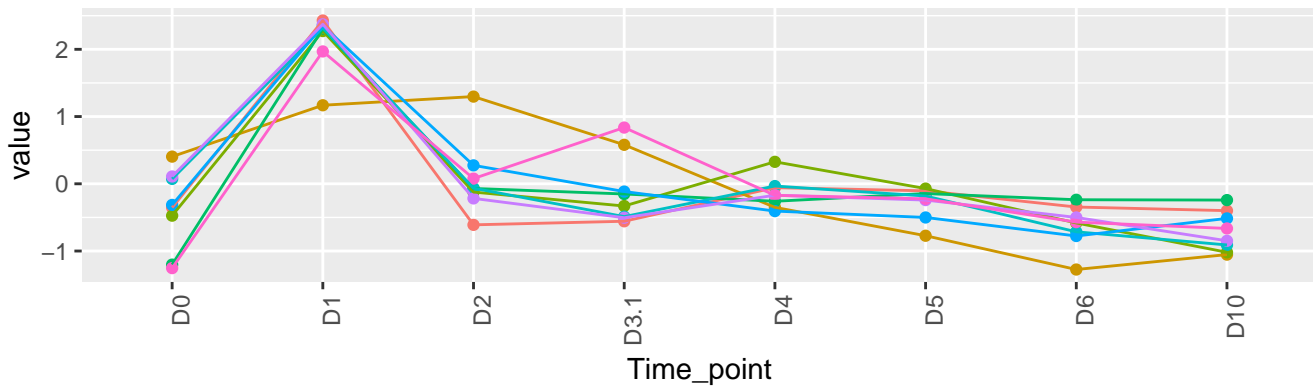
8 genes – WT-cluster-25-standardized



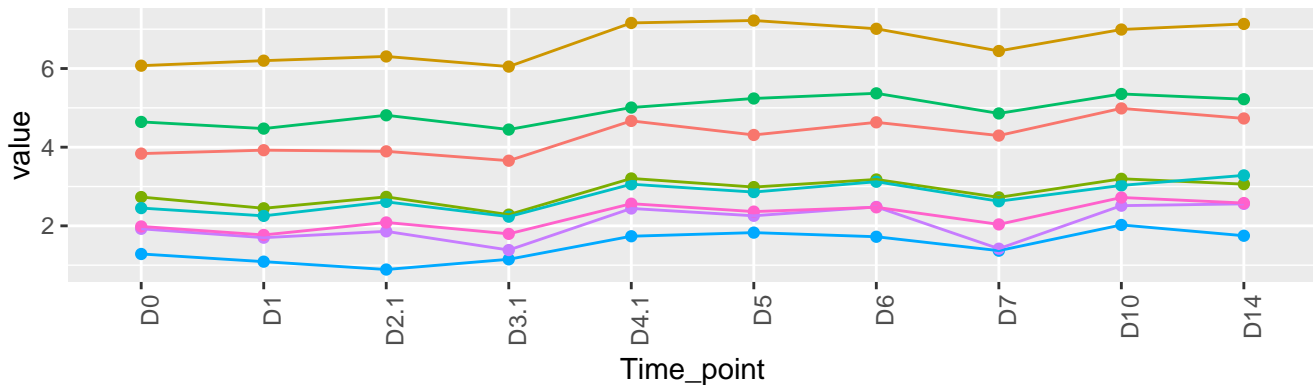
8 genes – KO-cluster-25-original



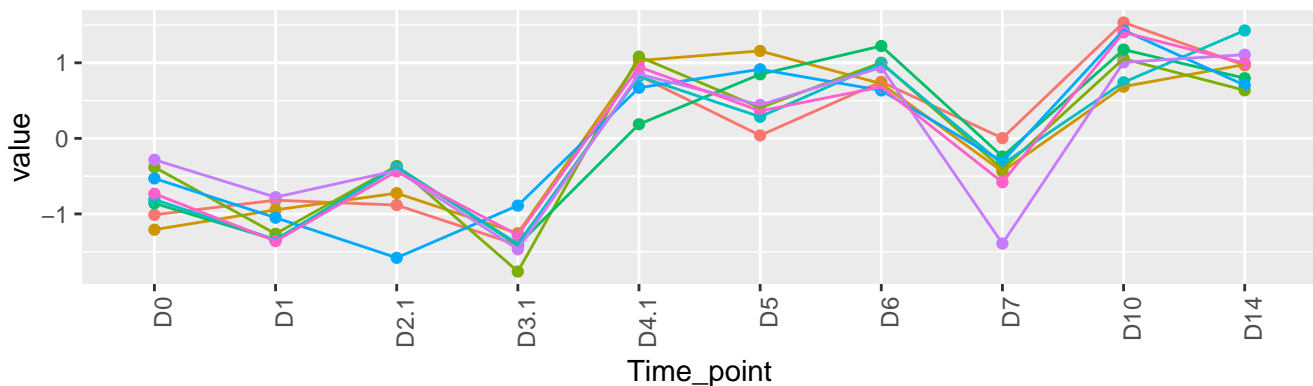
8 genes – KO-cluster-25-standardized



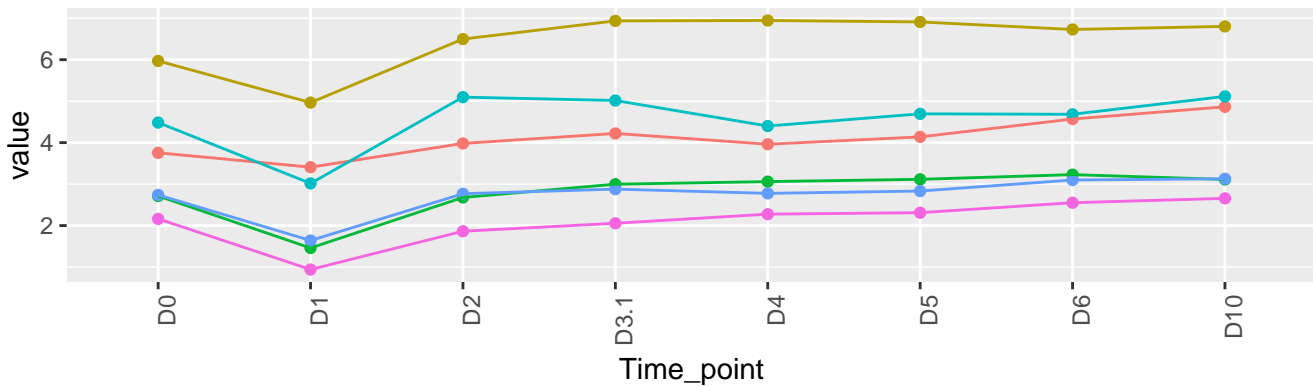
8 genes – WT-cluster-24-original



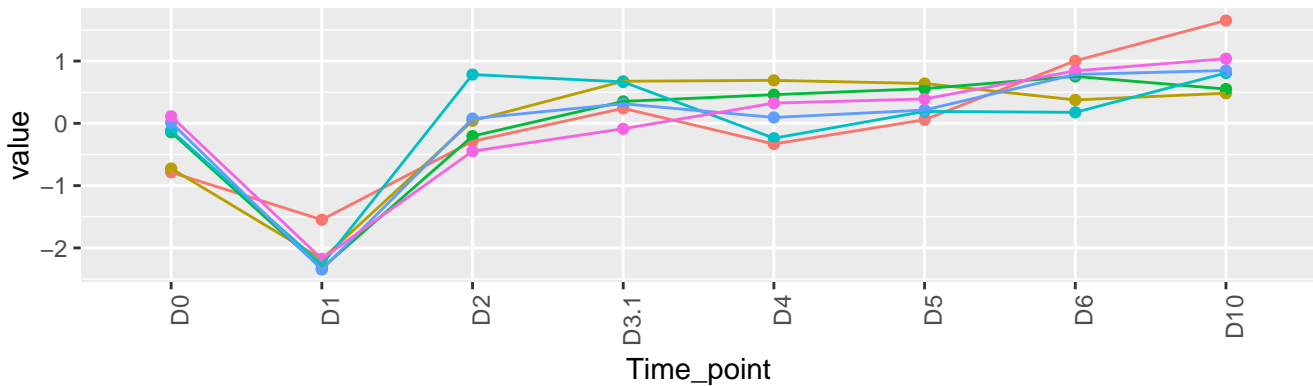
8 genes – WT-cluster-24-standardized



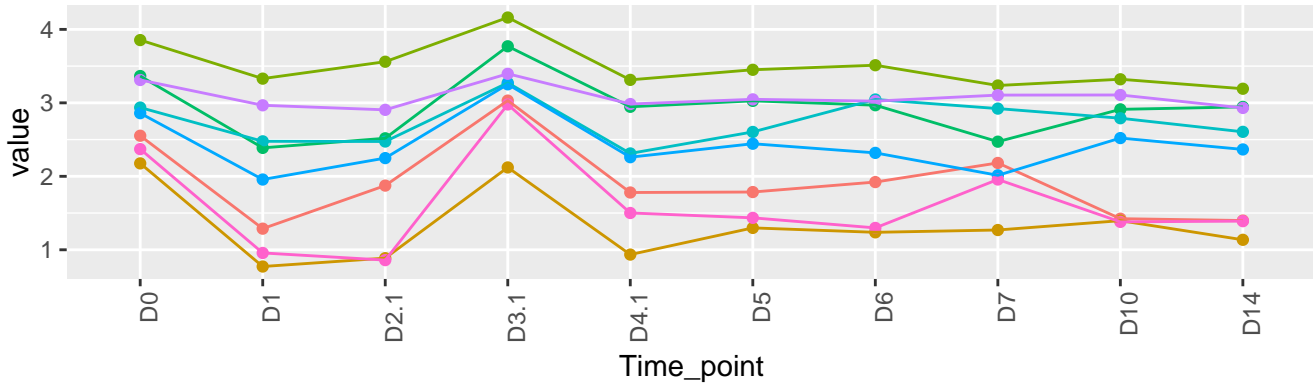
6 genes – KO-cluster-24-original



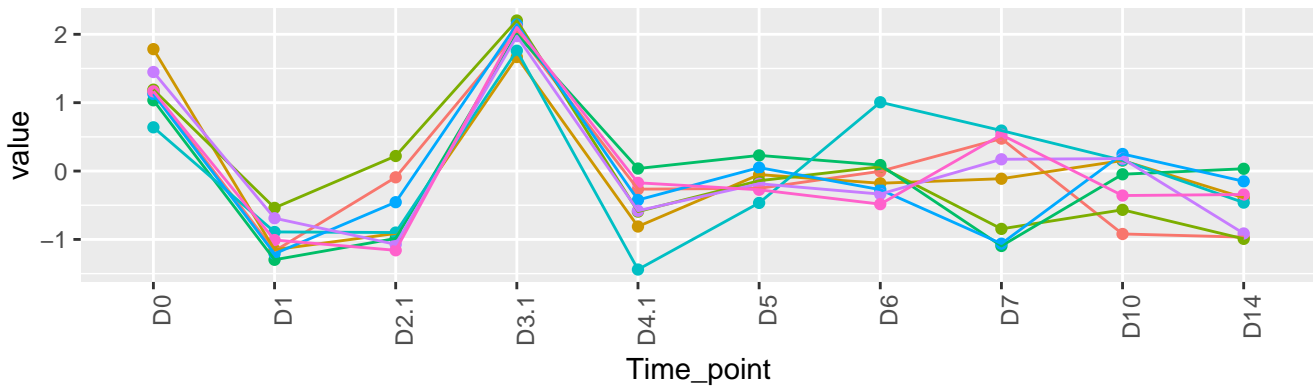
6 genes – KO-cluster-24-standardized



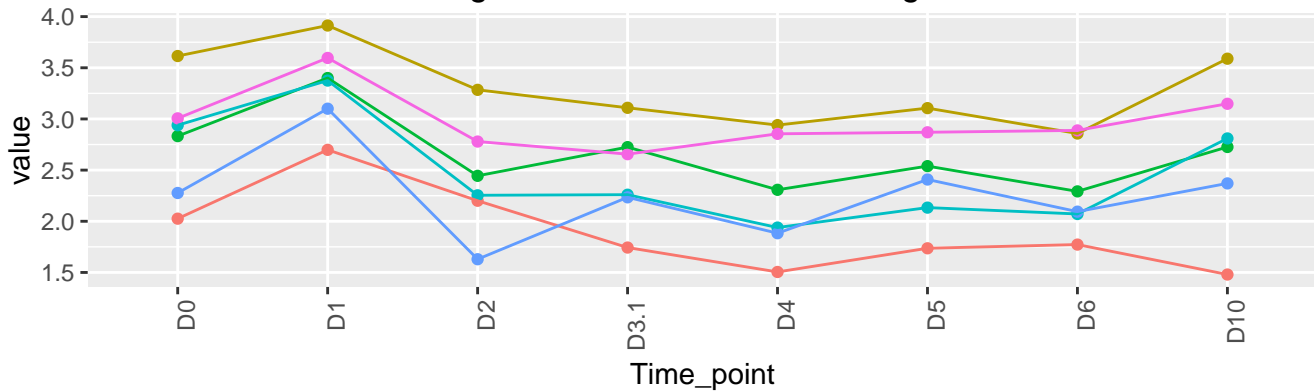
8 genes – WT-cluster-23-original



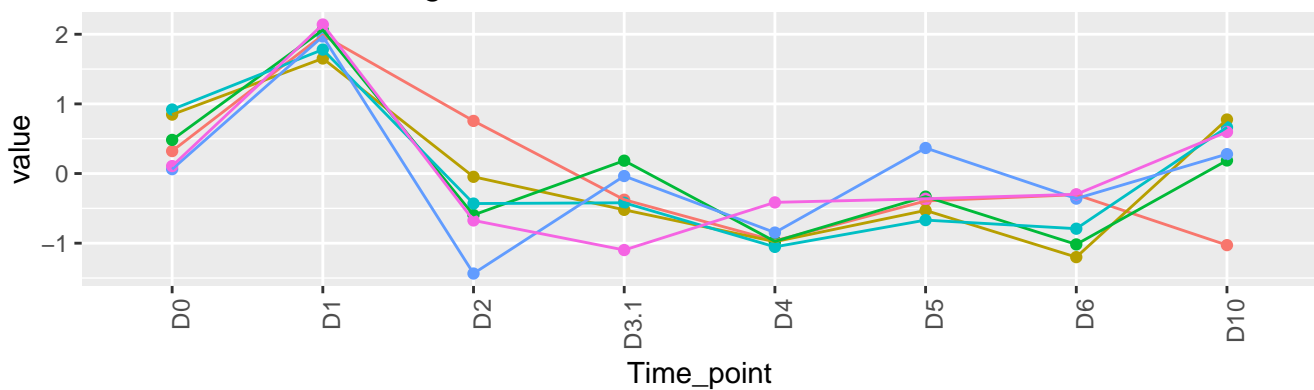
8 genes – WT-cluster-23-standardized



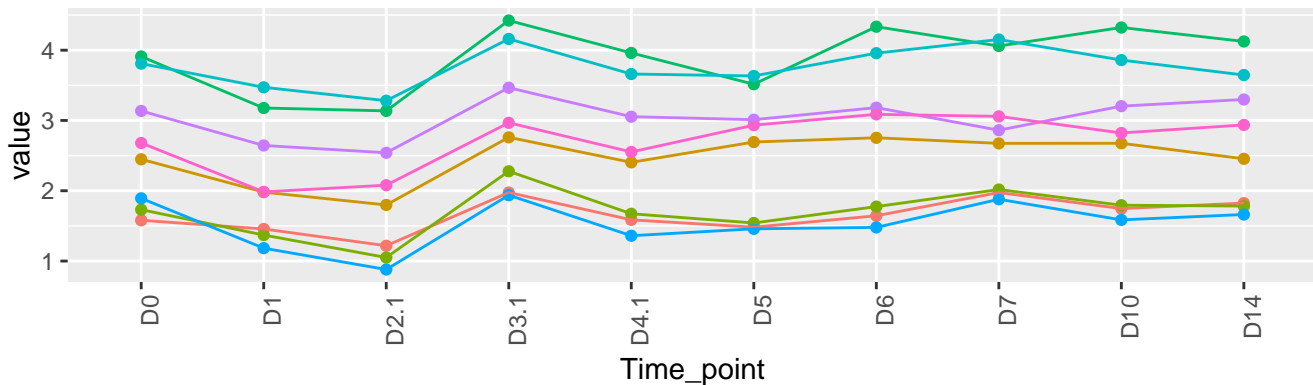
6 genes – KO-cluster-23-original



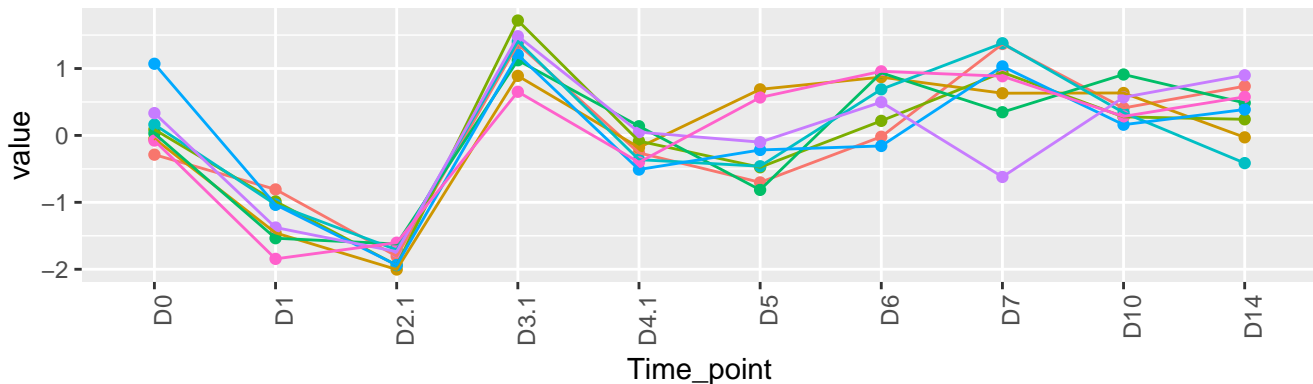
6 genes – KO-cluster-23-standardized



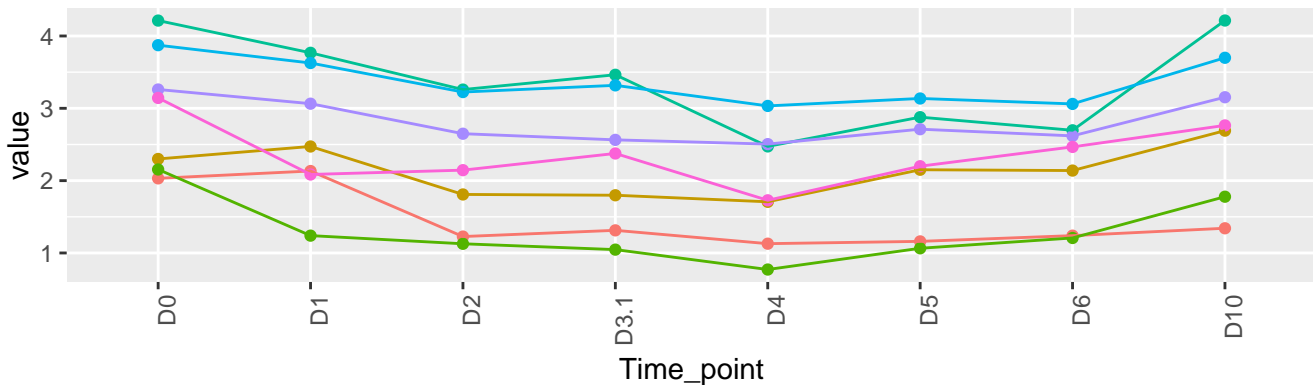
8 genes – WT-cluster-22-original



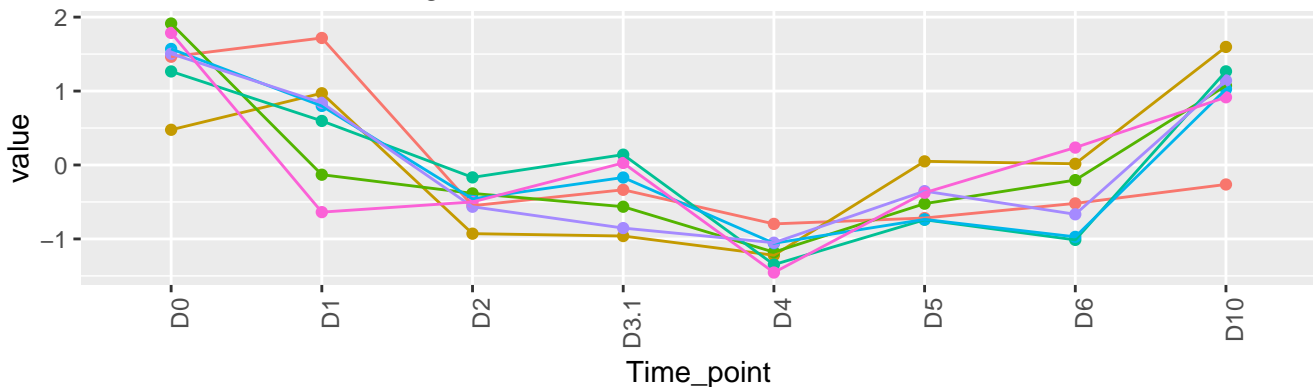
8 genes – WT-cluster-22-standardized



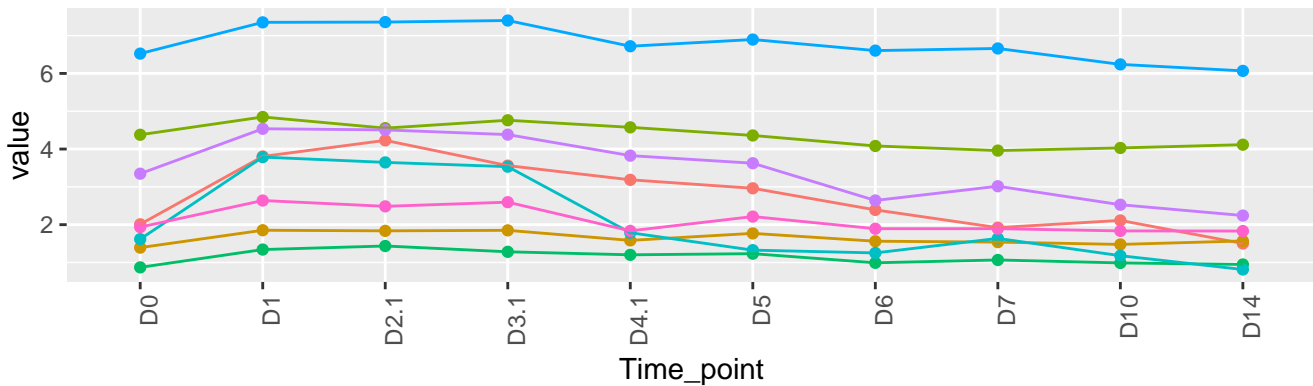
7 genes – KO-cluster-22-original



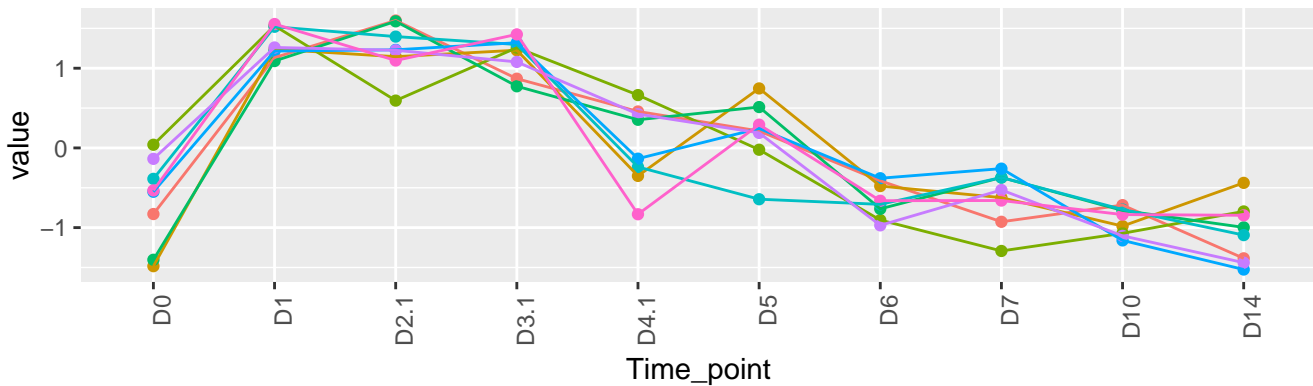
7 genes – KO-cluster-22-standardized



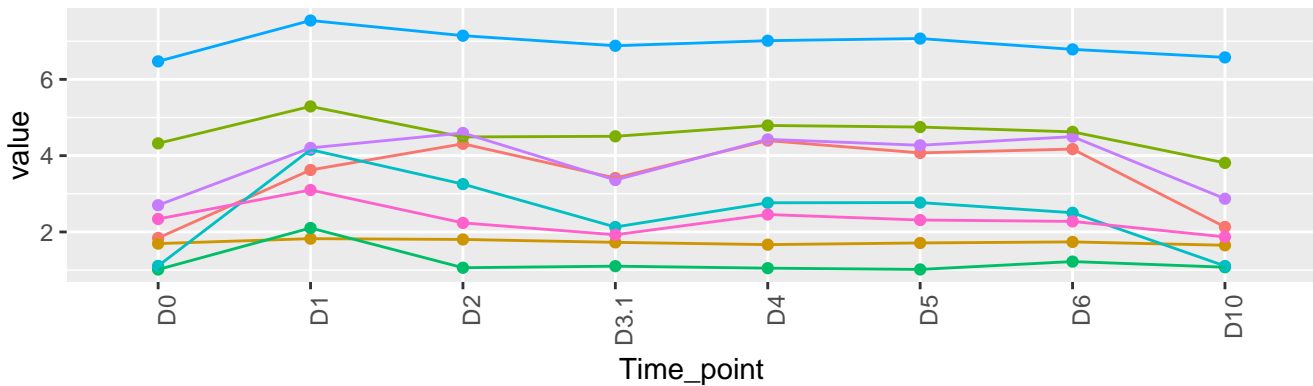
8 genes – WT-cluster-21-original



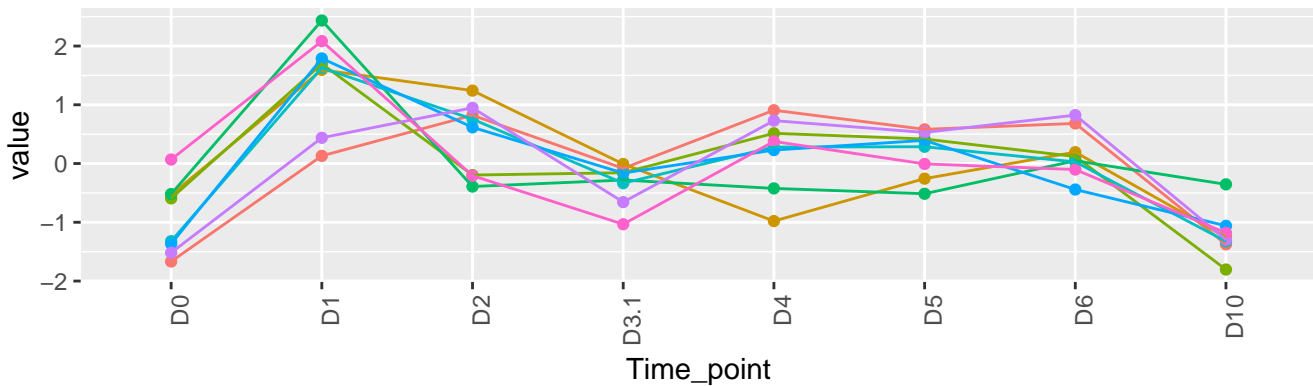
8 genes – WT-cluster-21-standardized



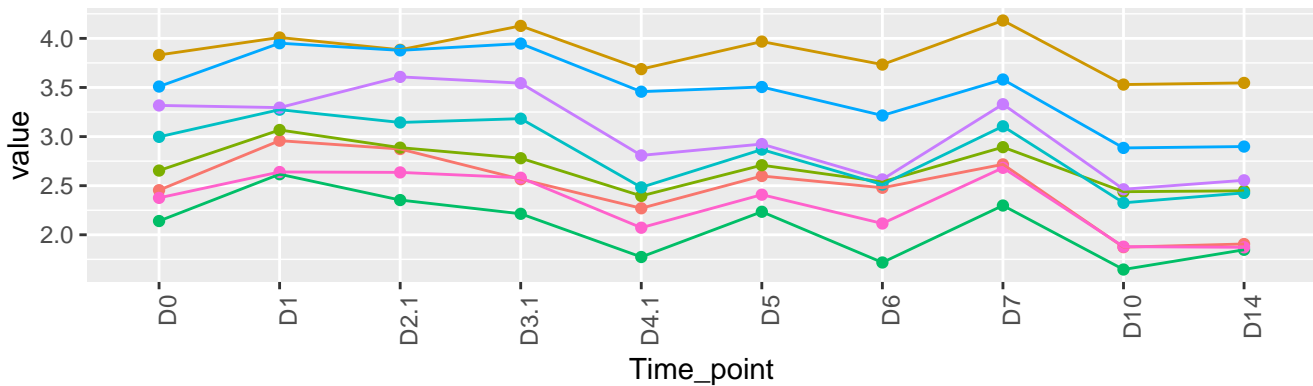
8 genes – KO-cluster-21-original



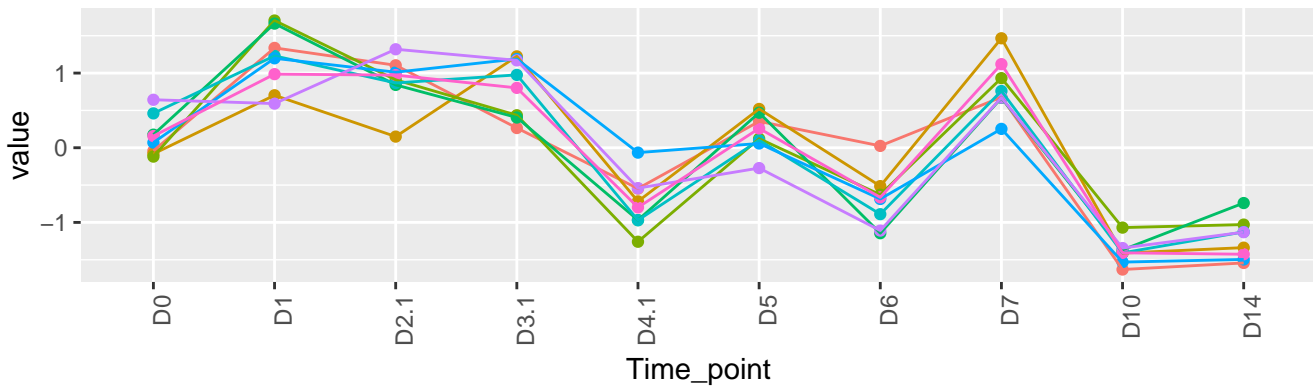
8 genes – KO-cluster-21-standardized



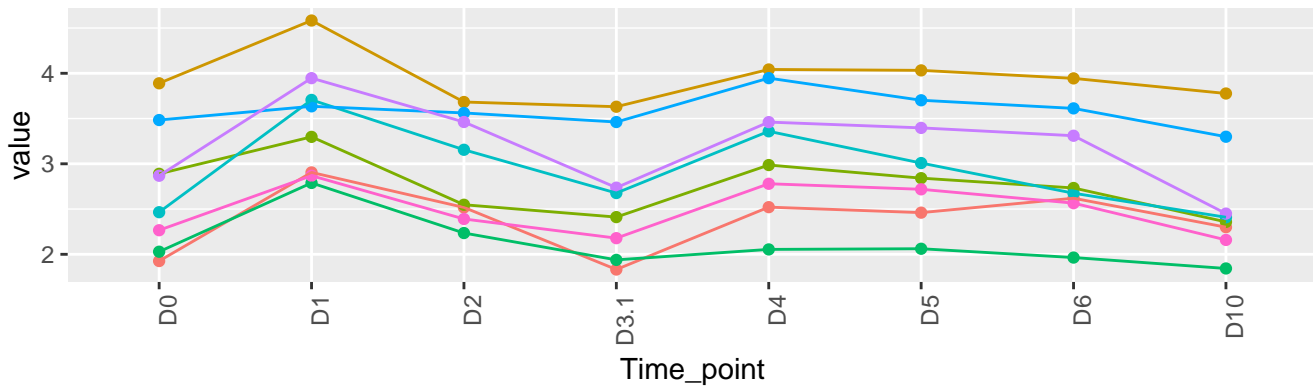
8 genes – WT-cluster-20-original



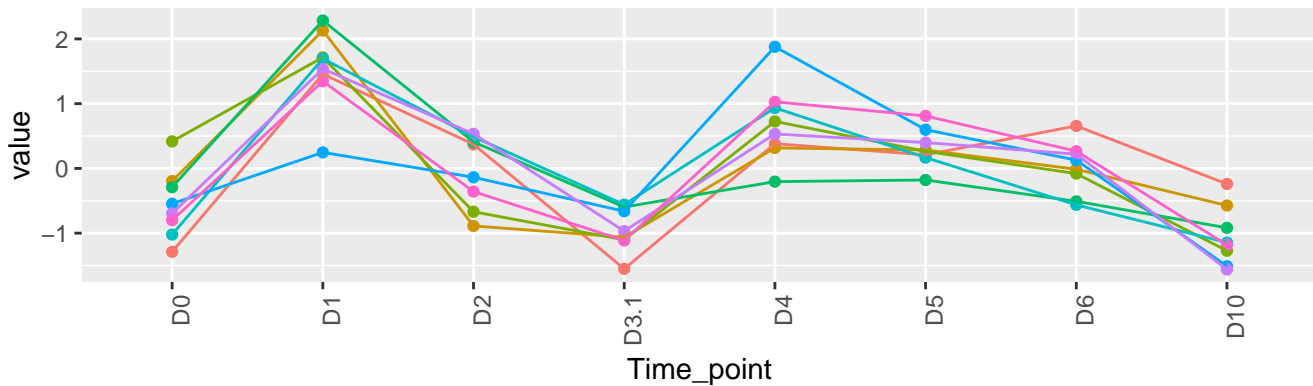
8 genes – WT-cluster-20-standardized



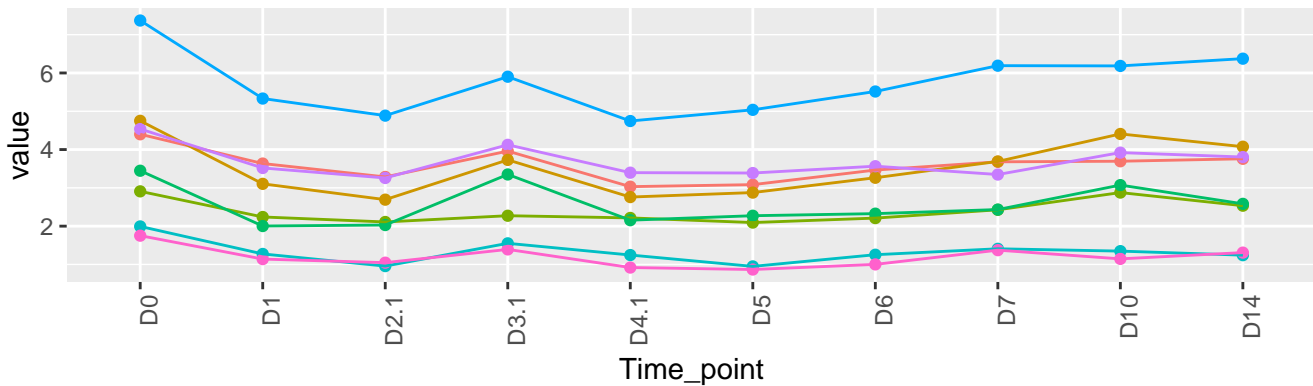
8 genes – KO-cluster-20-original



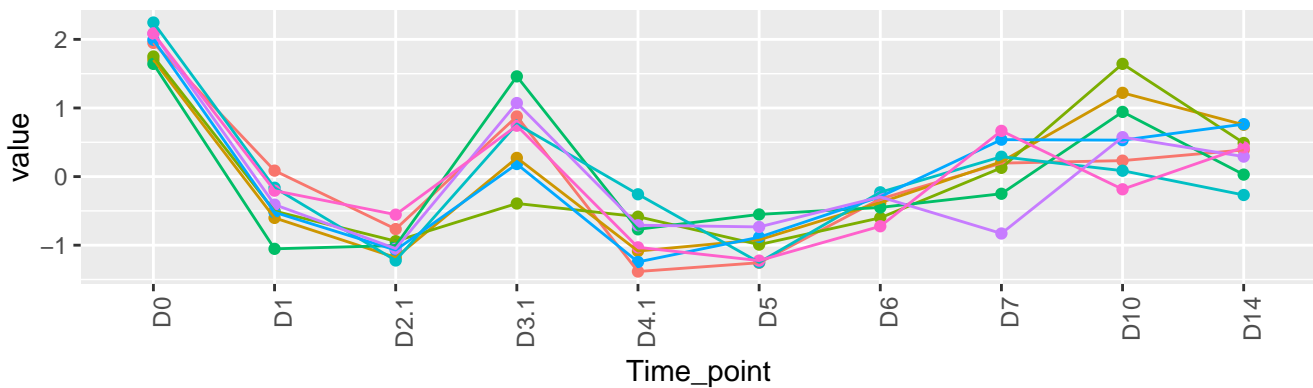
8 genes – KO-cluster-20-standardized



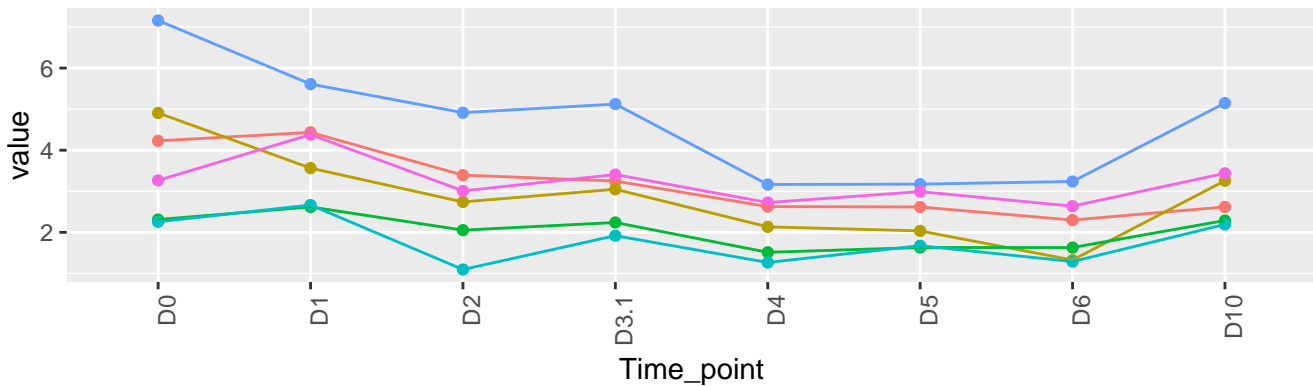
8 genes – WT-cluster-19-original



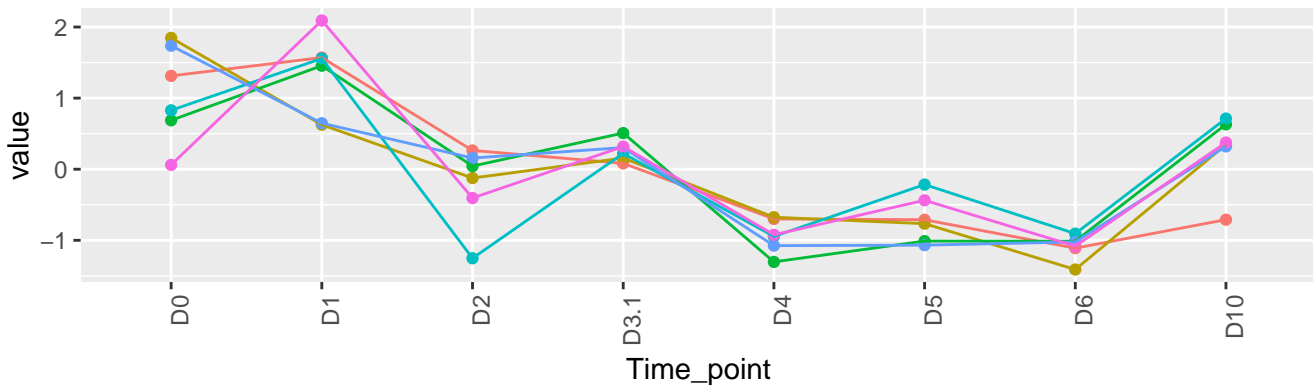
8 genes – WT-cluster-19-standardized



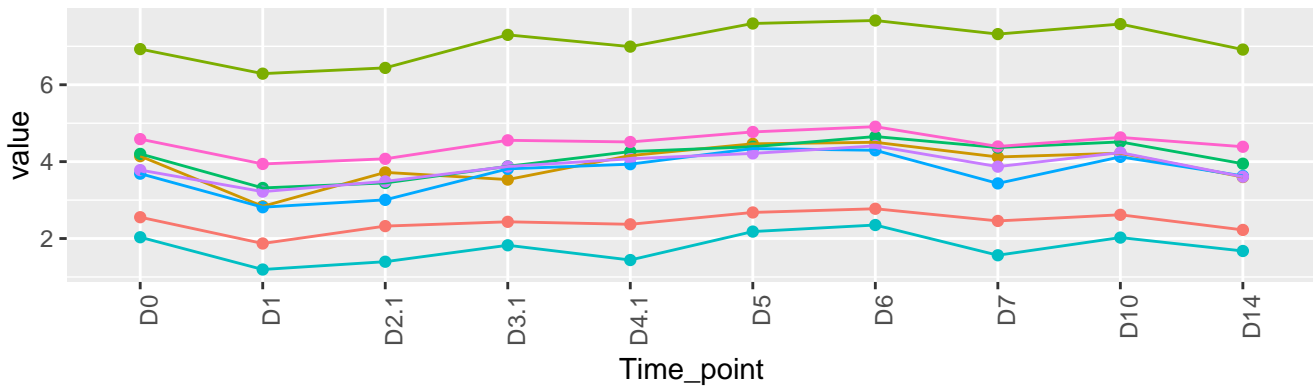
6 genes – KO-cluster-19-original



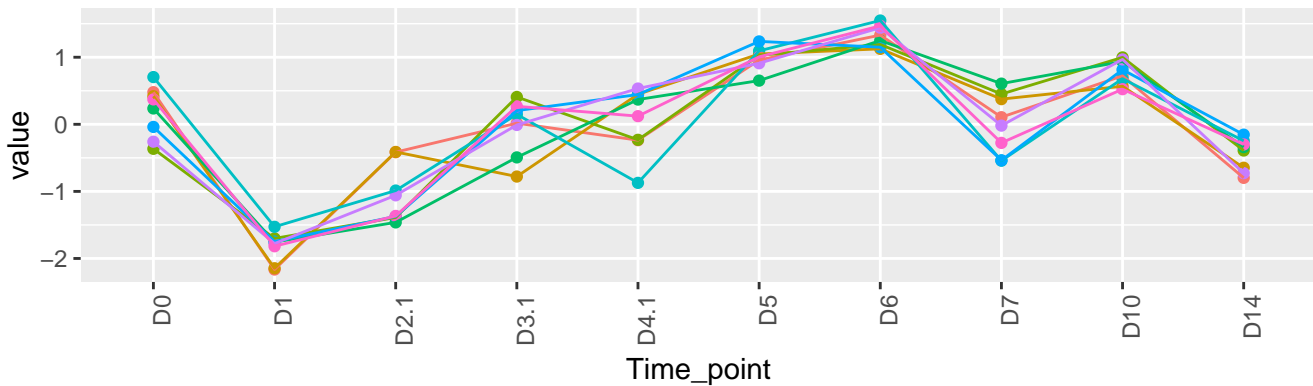
6 genes – KO-cluster-19-standardized



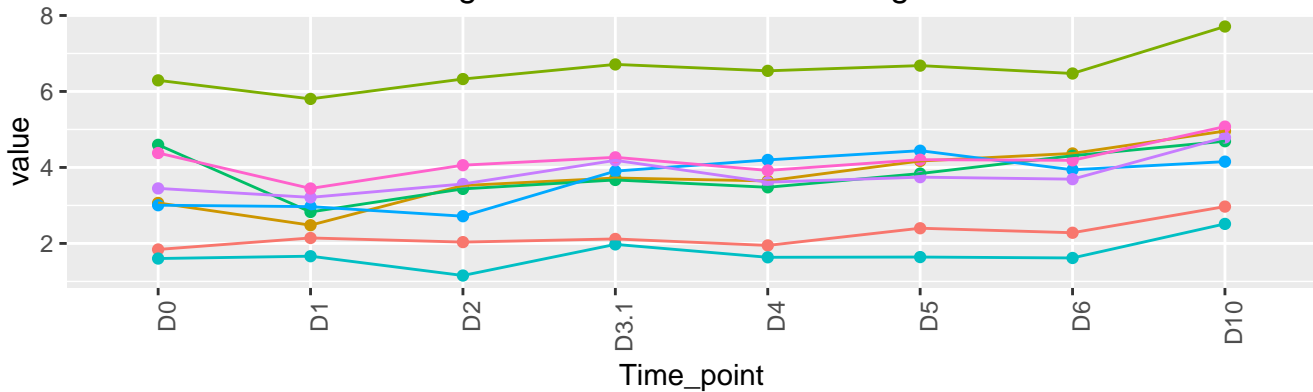
8 genes – WT-cluster-18–original



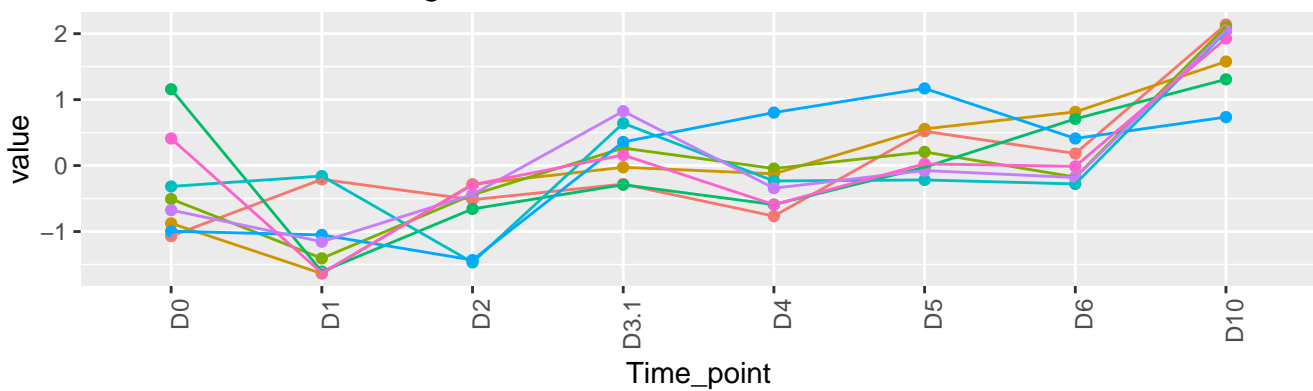
8 genes – WT-cluster-18–standardized



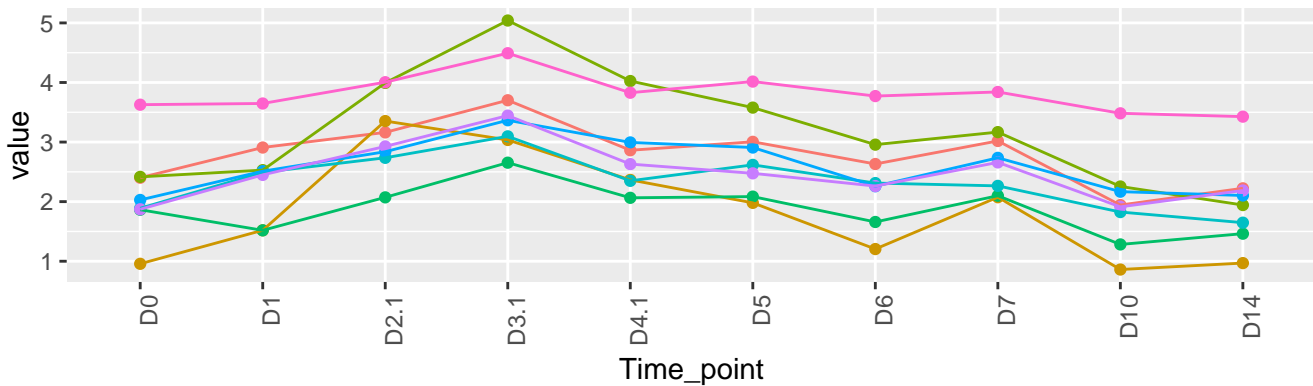
8 genes – KO-cluster-18-original



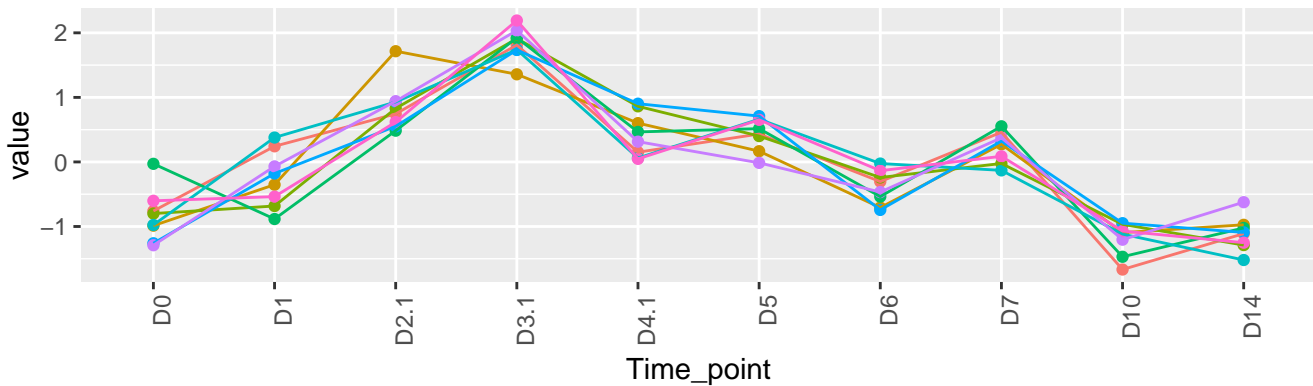
8 genes – KO-cluster-18-standardized



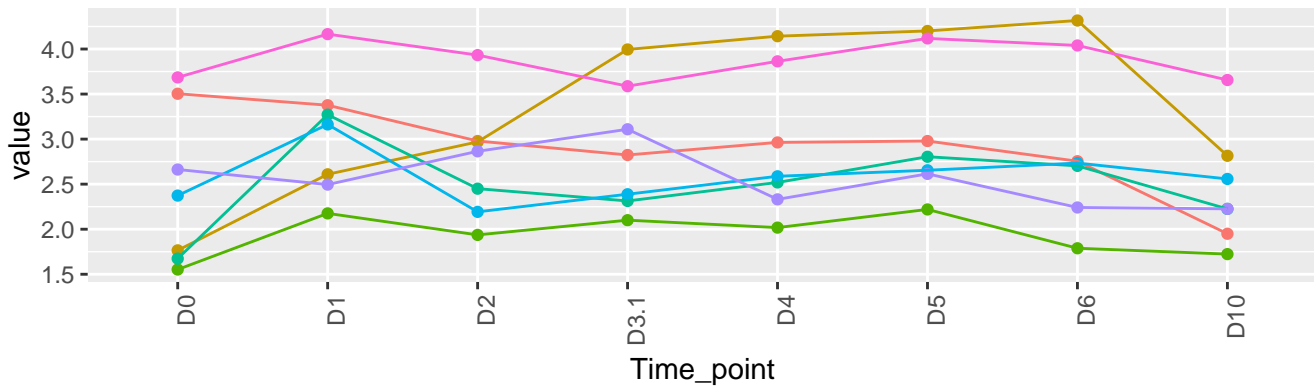
8 genes – WT-cluster-17-original



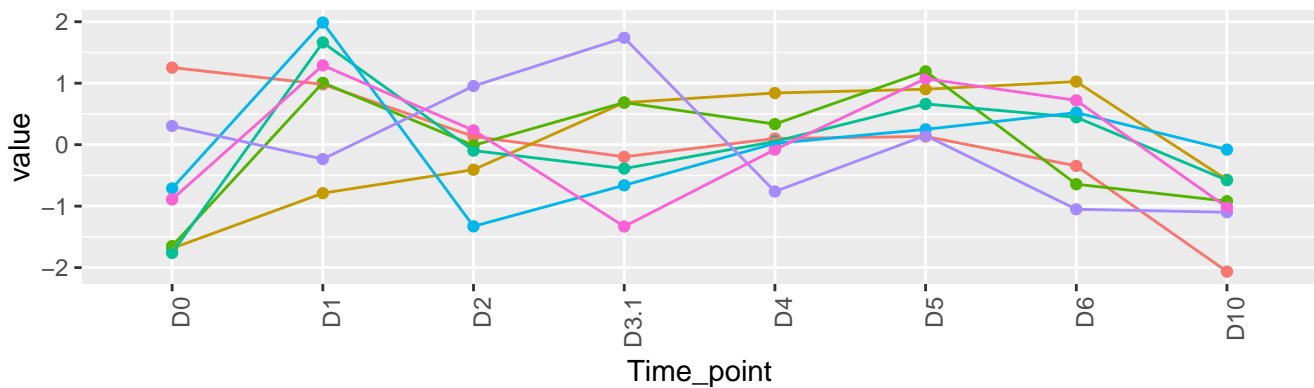
8 genes – WT-cluster-17-standardized



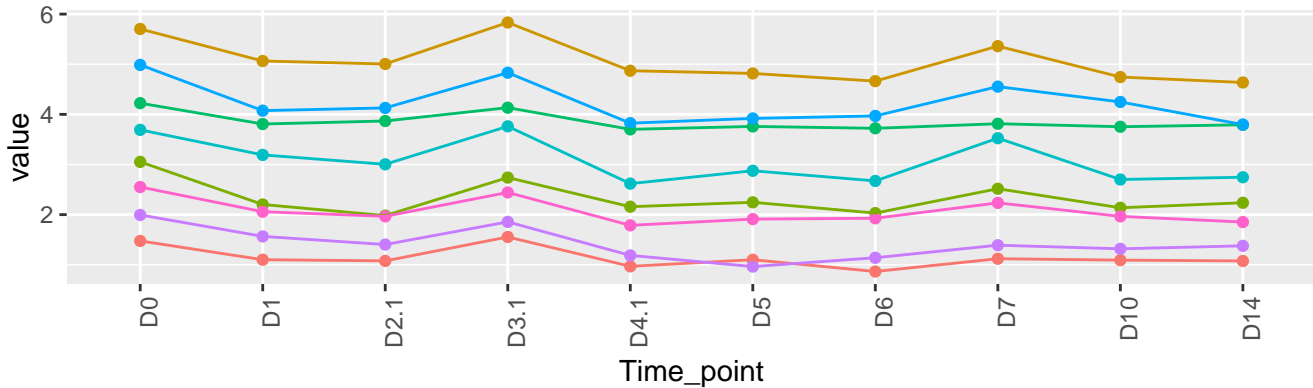
7 genes – KO-cluster-17-original



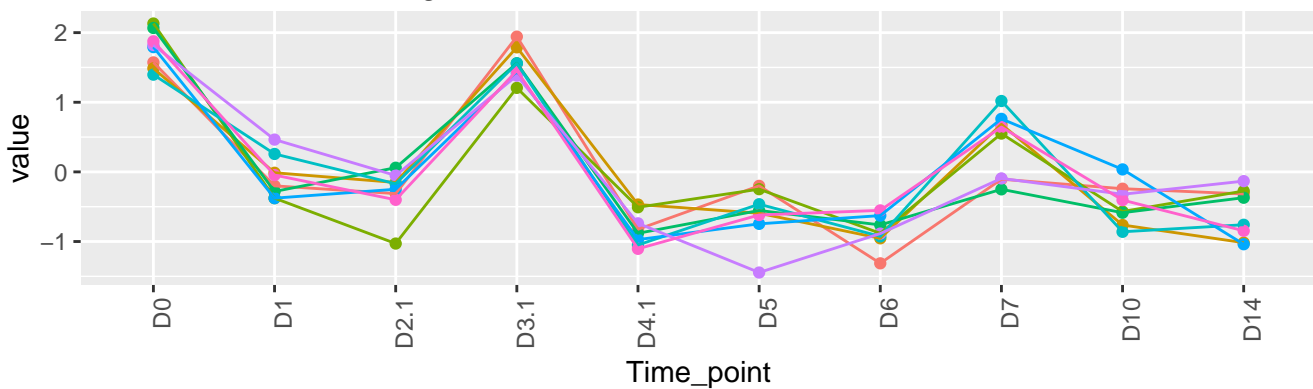
7 genes – KO-cluster-17-standardized



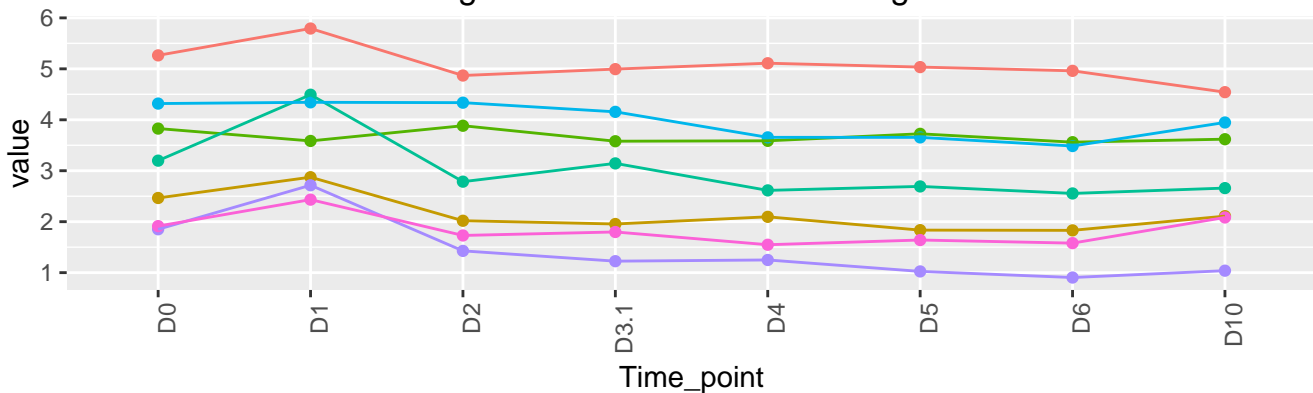
8 genes – WT-cluster-16-original



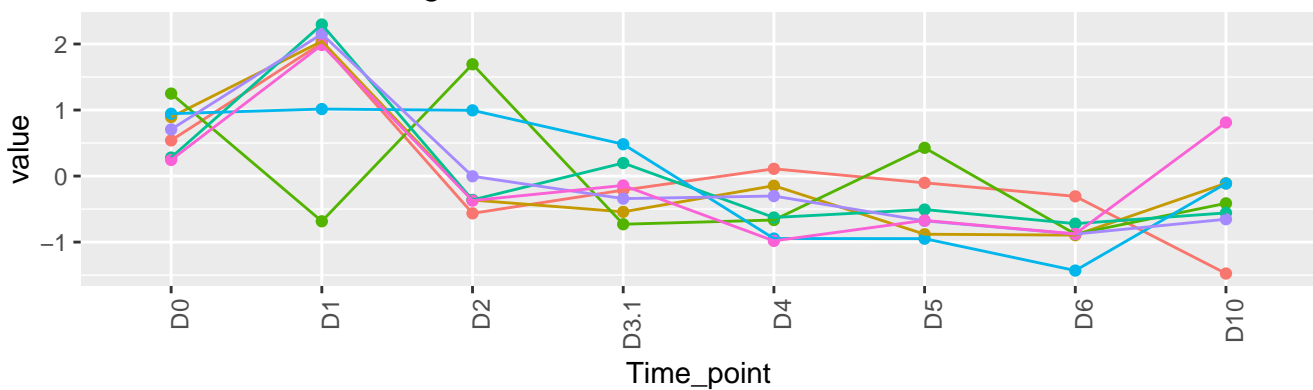
8 genes – WT-cluster-16-standardized



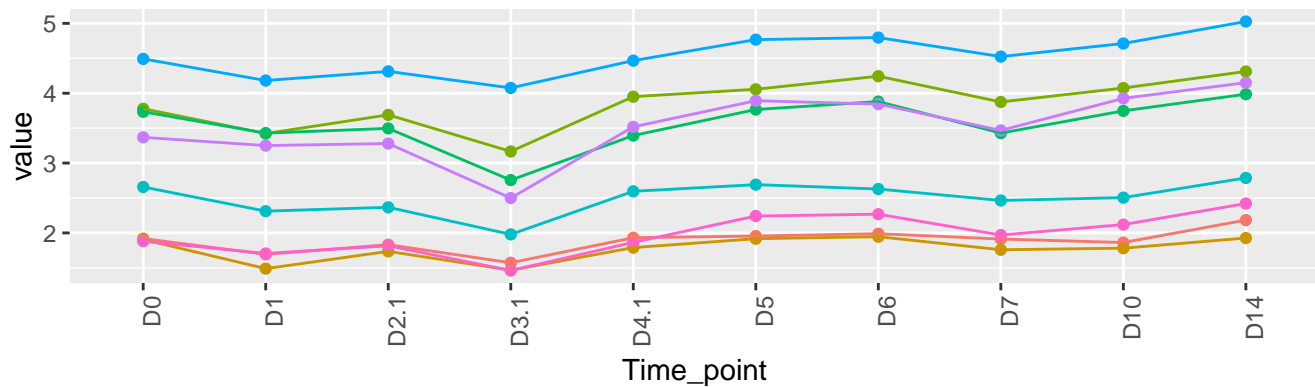
7 genes – KO-cluster-16-original



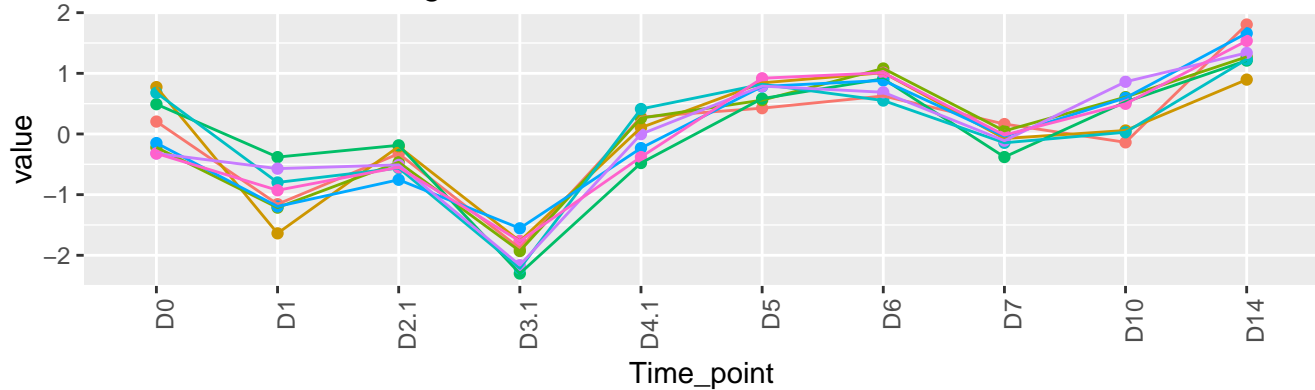
7 genes – KO-cluster-16-standardized



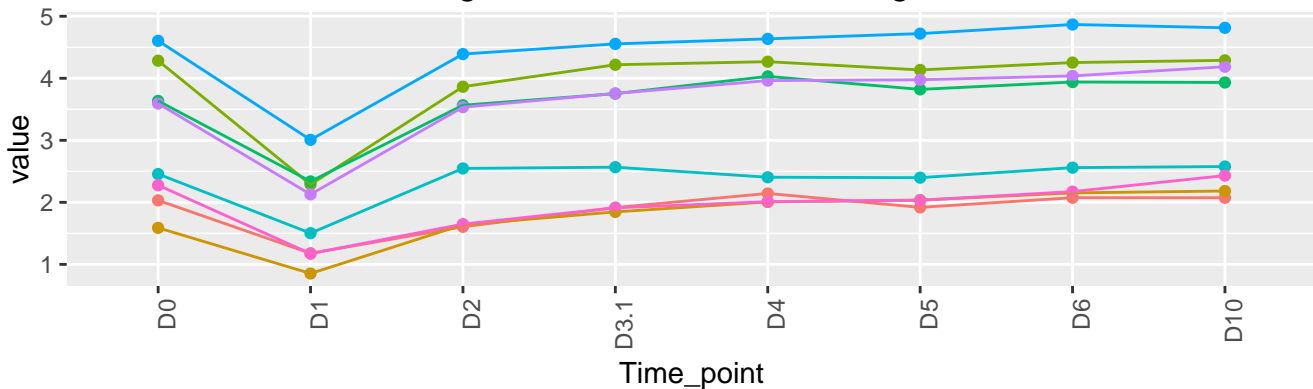
8 genes – WT-cluster-15-original



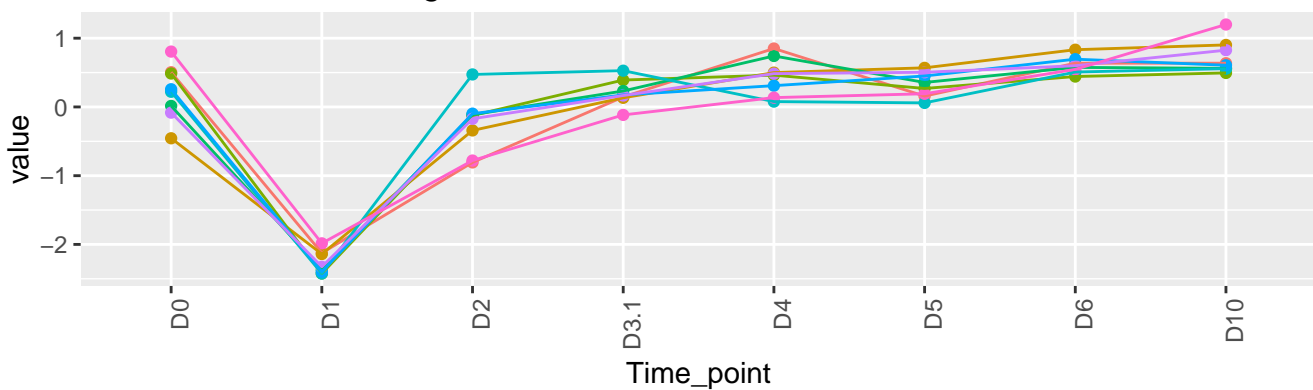
8 genes – WT-cluster-15-standardized



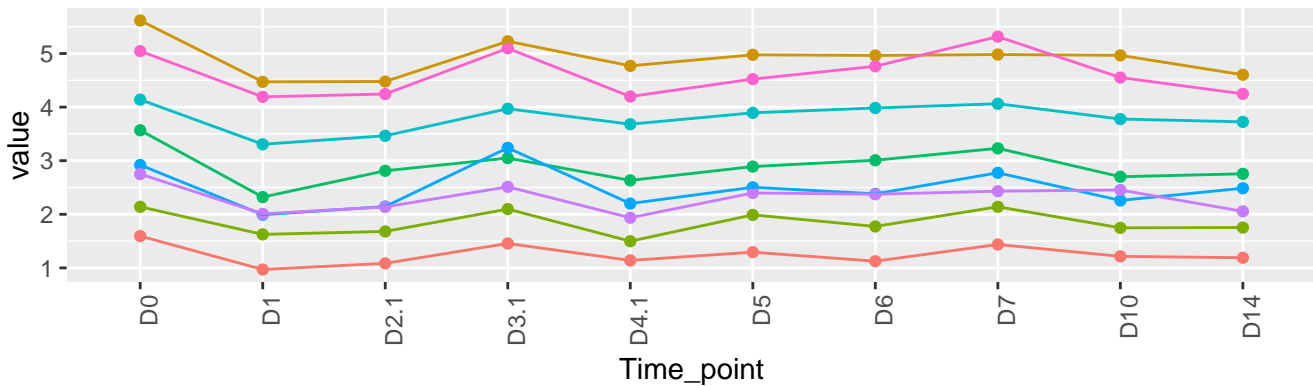
8 genes – KO-cluster-15-original



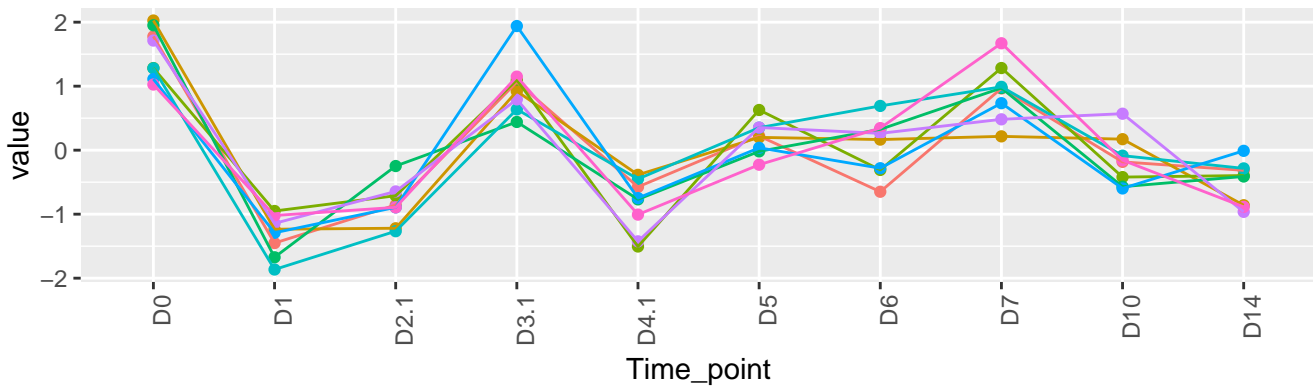
8 genes – KO-cluster-15-standardized



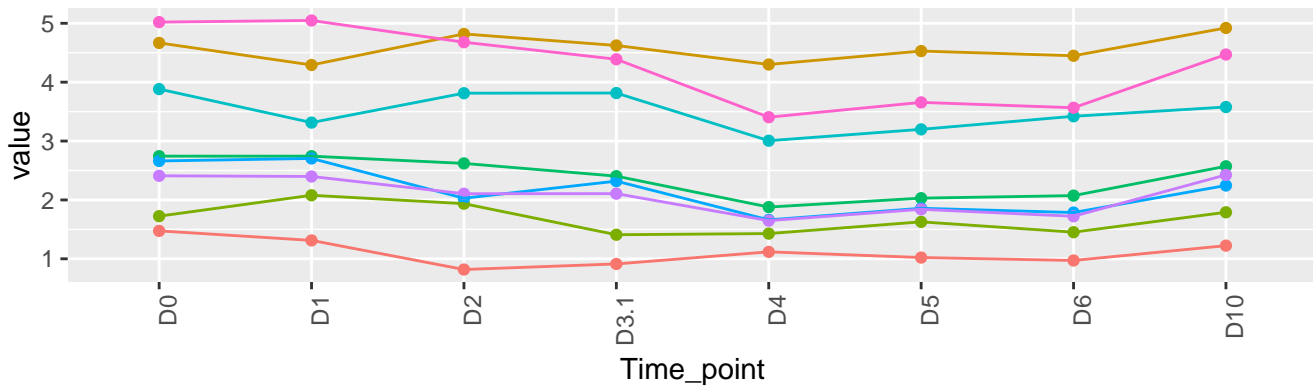
8 genes – WT-cluster-14-original



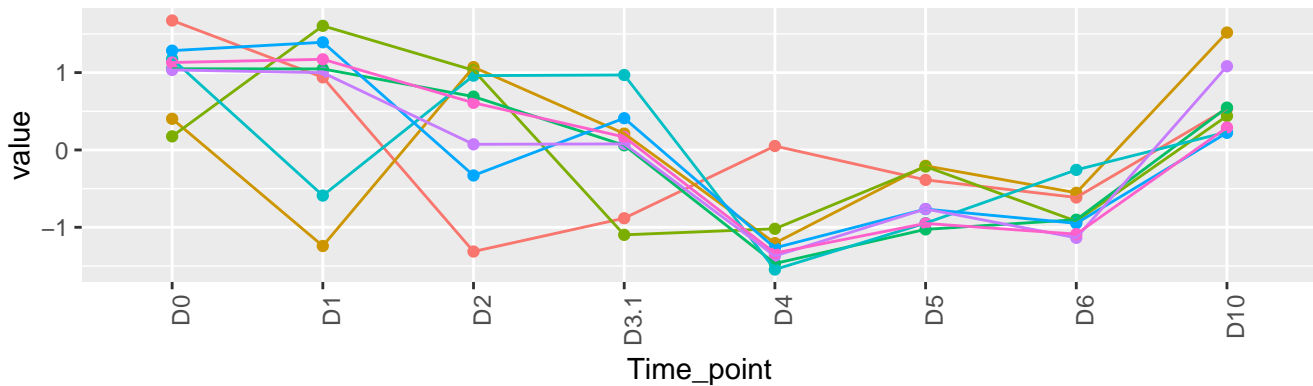
8 genes – WT-cluster-14-standardized



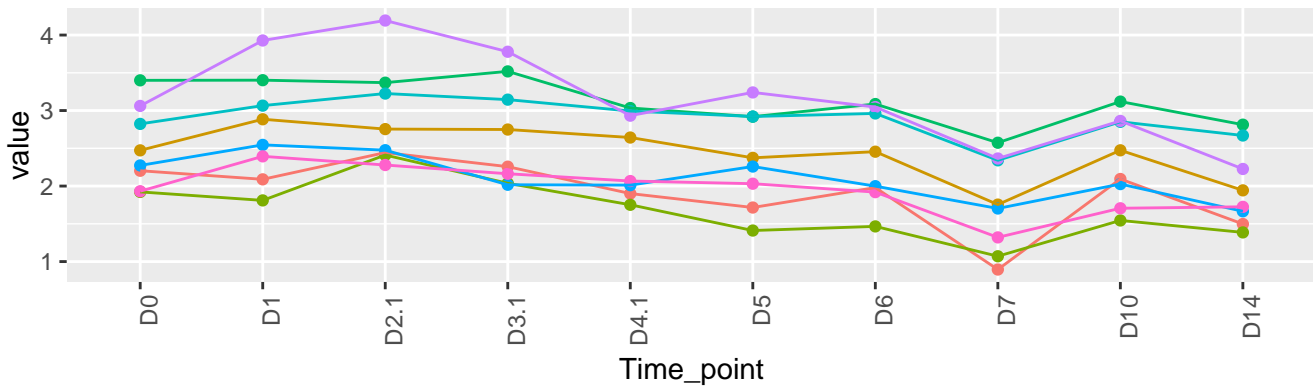
8 genes – KO-cluster-14-original



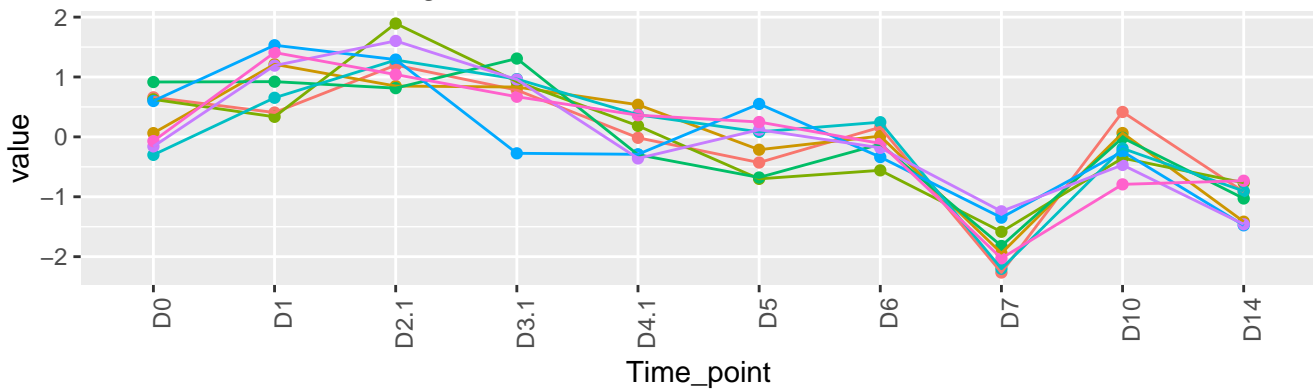
8 genes – KO-cluster-14-standardized



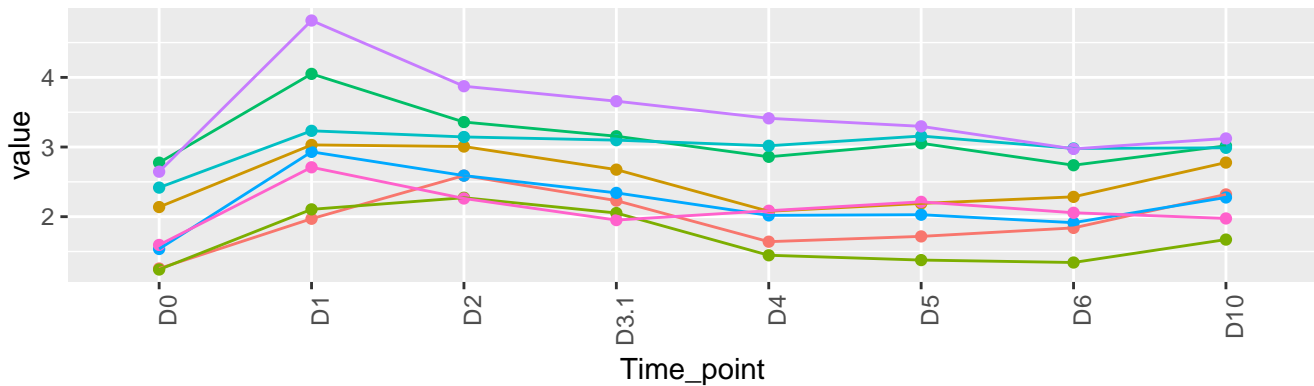
8 genes – WT-cluster-13-original



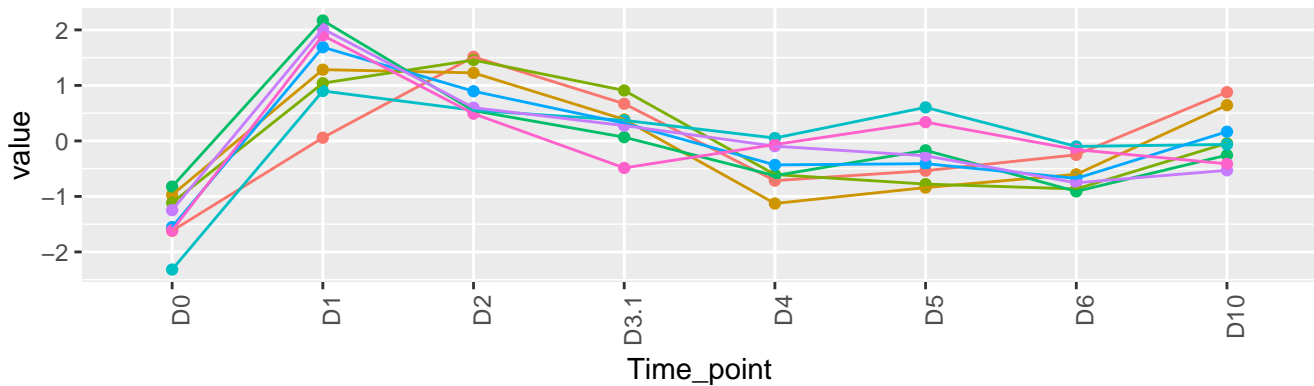
8 genes – WT-cluster-13-standardized



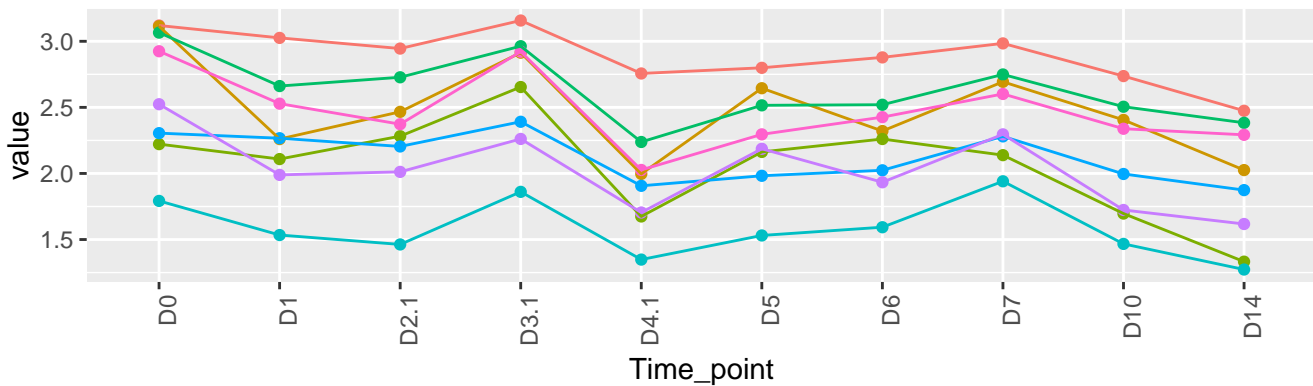
8 genes – KO-cluster-13-original



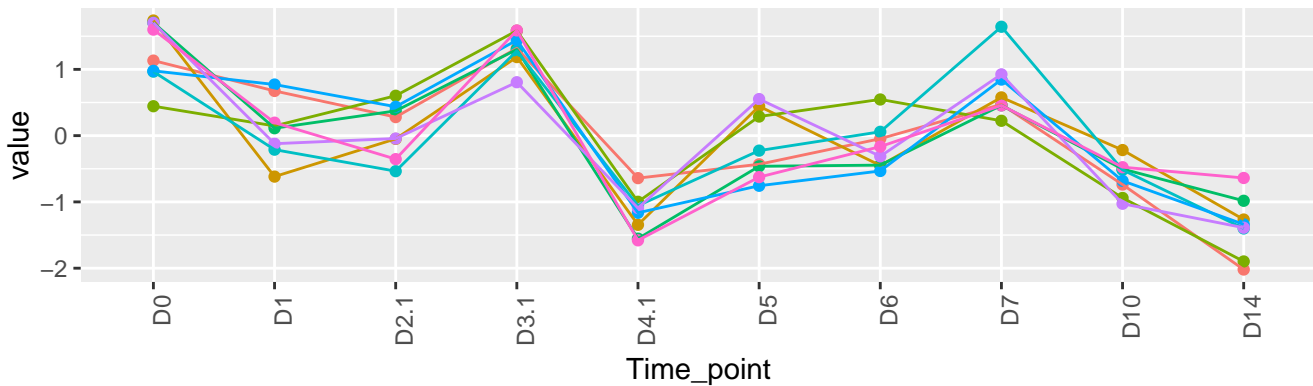
8 genes – KO-cluster-13-standardized



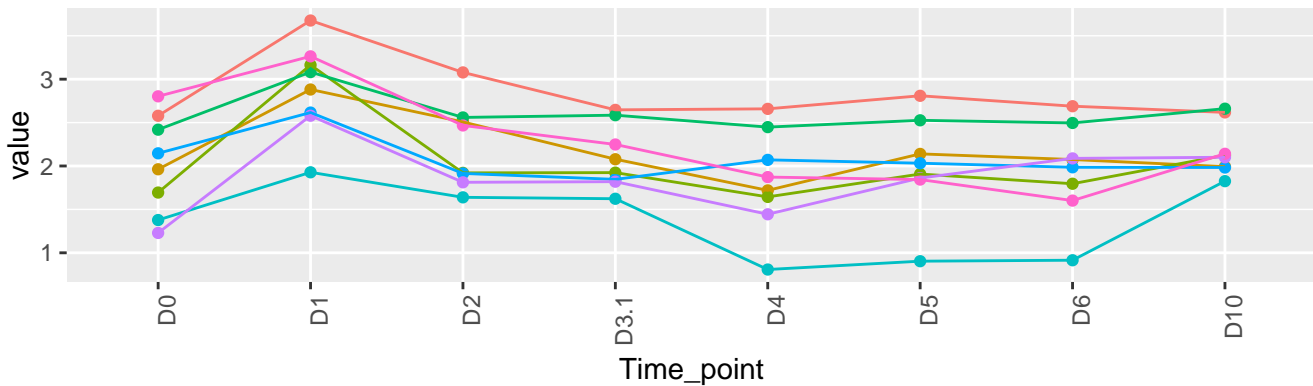
8 genes – WT-cluster-12-original



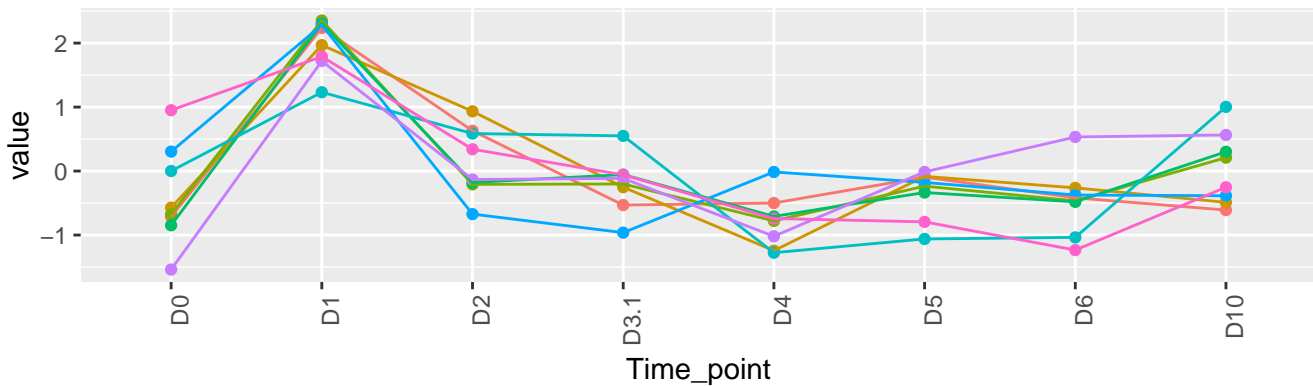
8 genes – WT-cluster-12-standardized



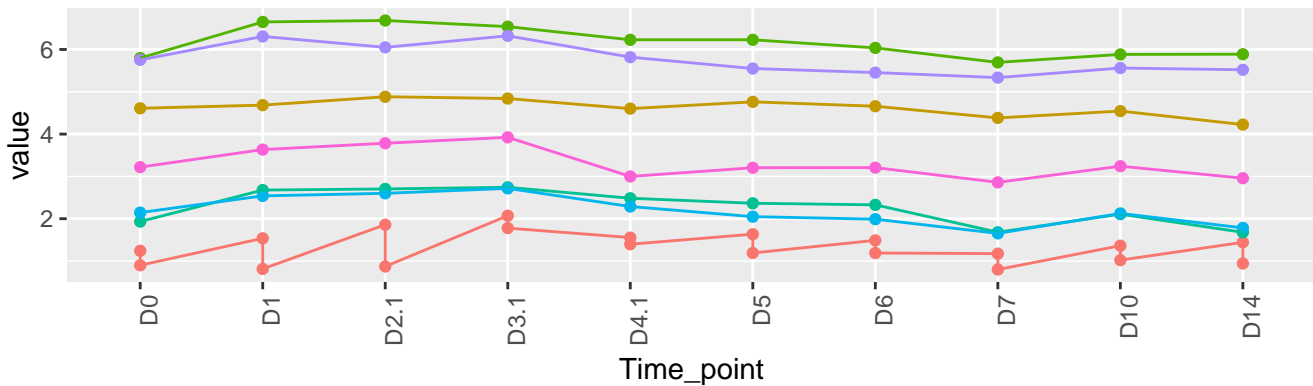
8 genes – KO-cluster-12-original



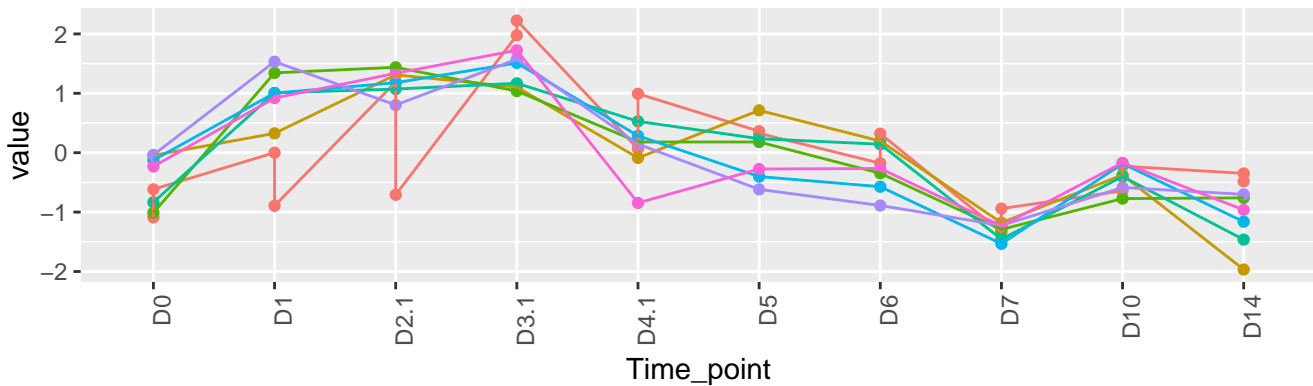
8 genes – KO-cluster-12-standardized



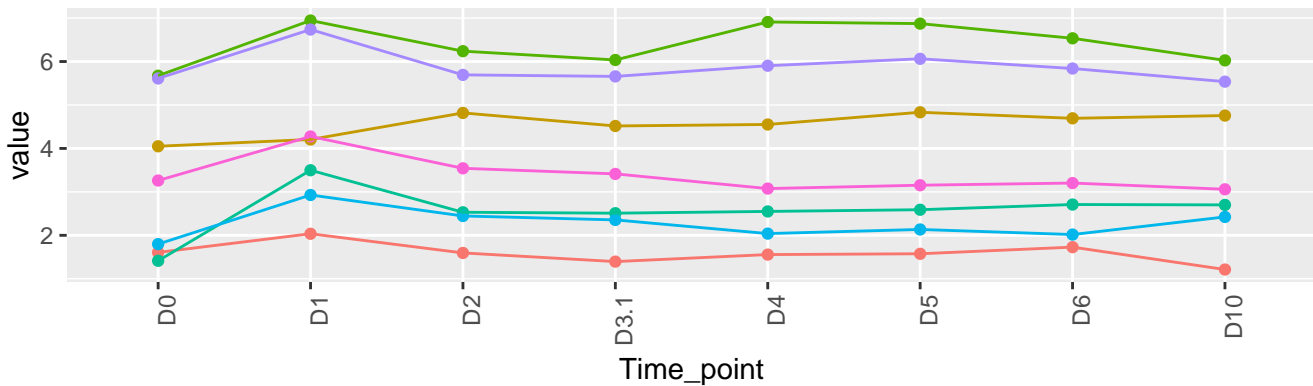
8 genes – WT-cluster-11-original



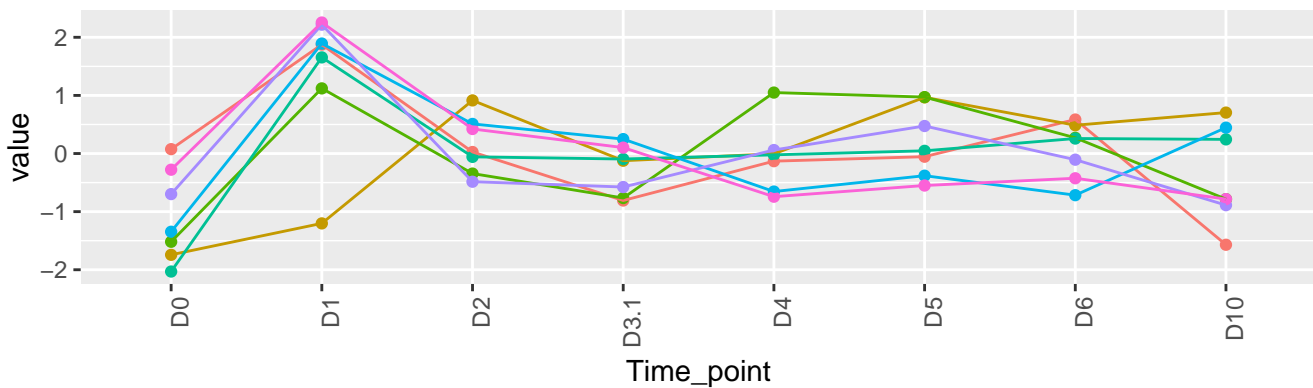
8 genes – WT-cluster-11-standardized



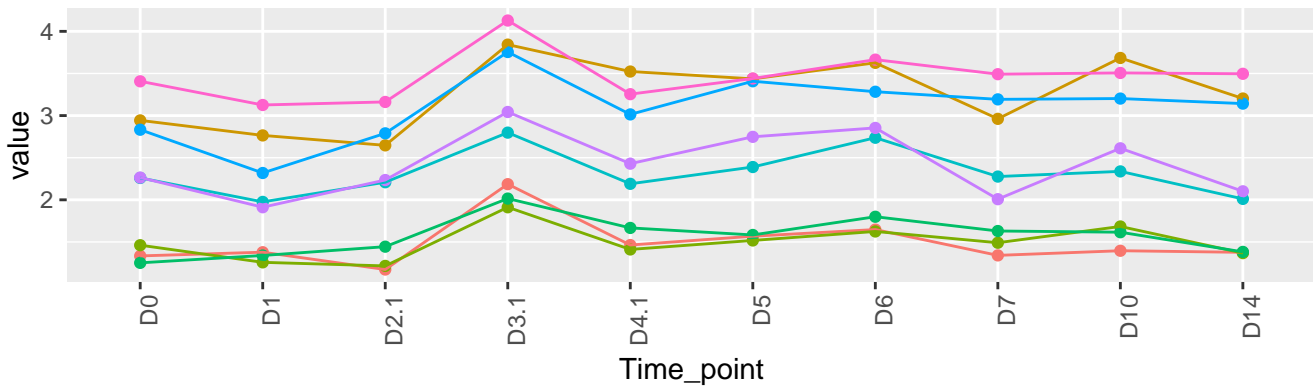
7 genes – KO-cluster-11-original



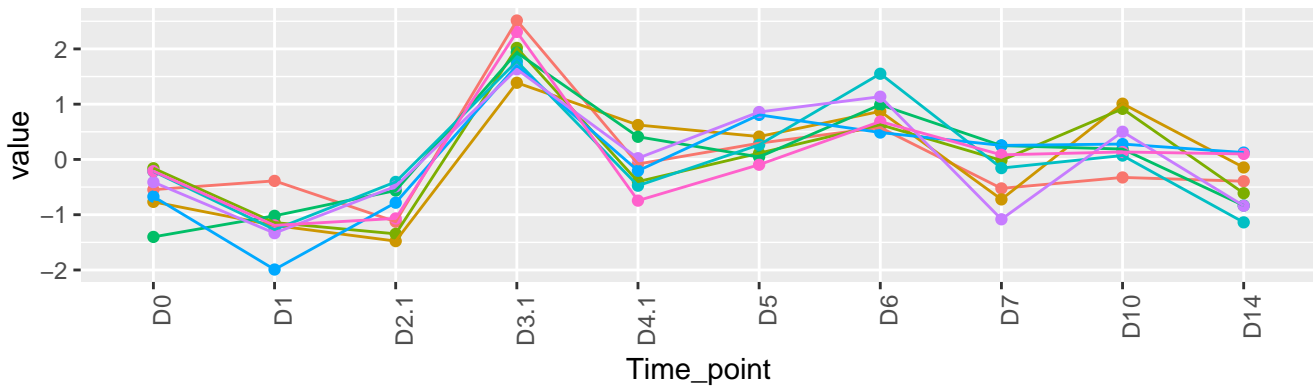
7 genes – KO-cluster-11-standardized



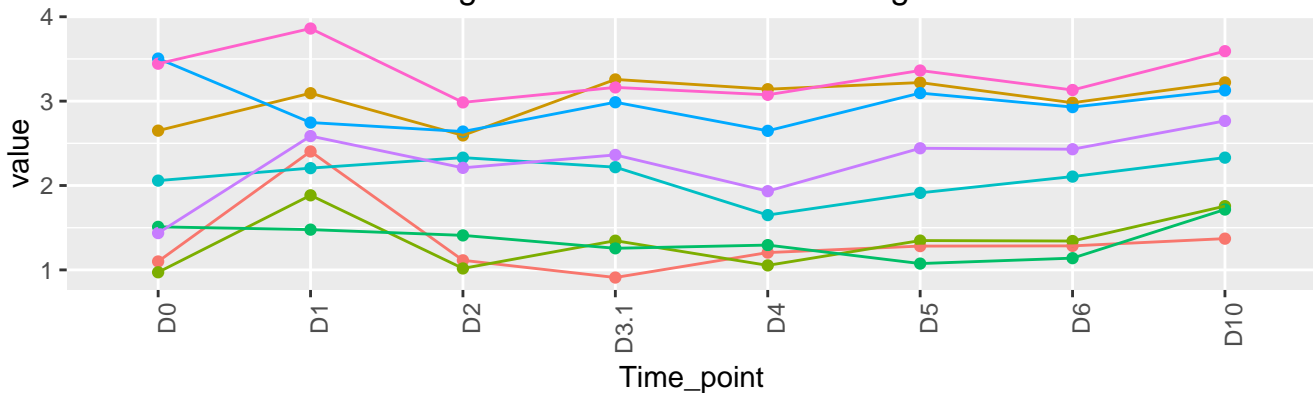
8 genes – WT-cluster-10-original



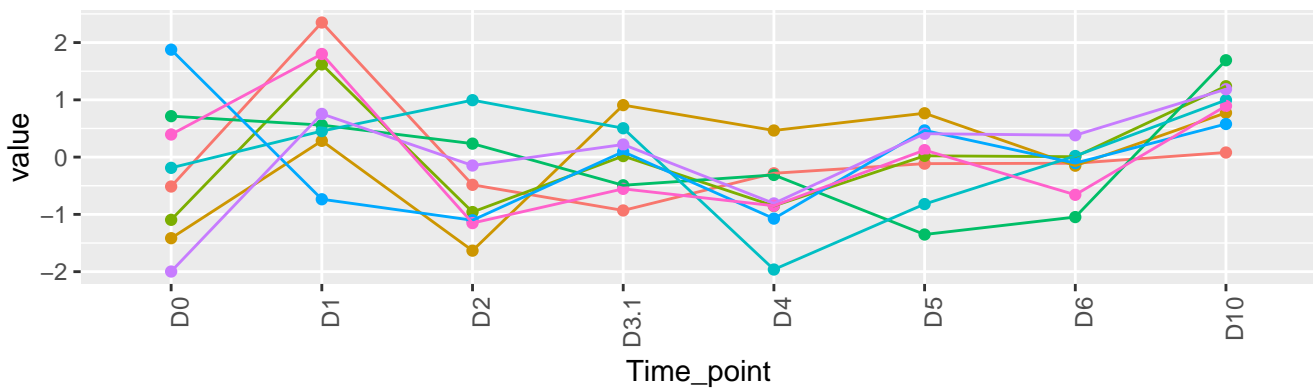
8 genes – WT-cluster-10-standardized



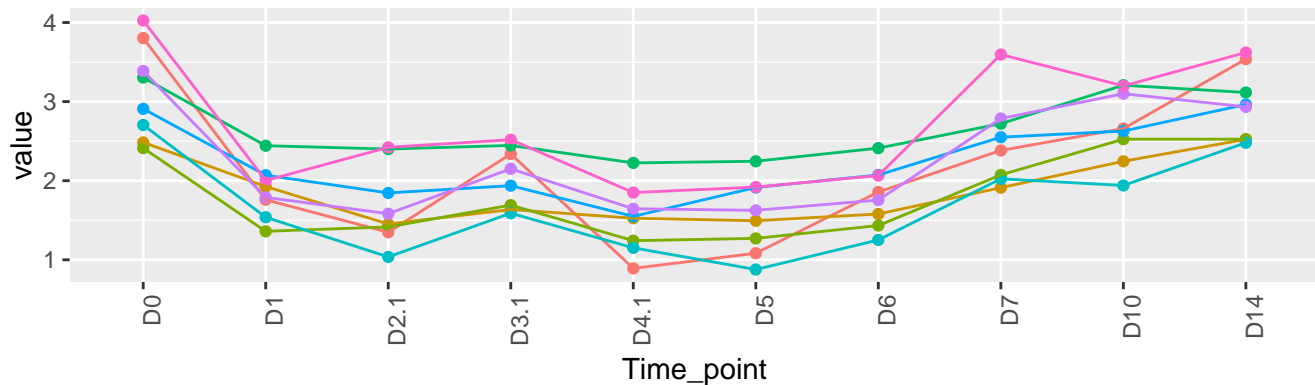
8 genes – KO-cluster-10-original



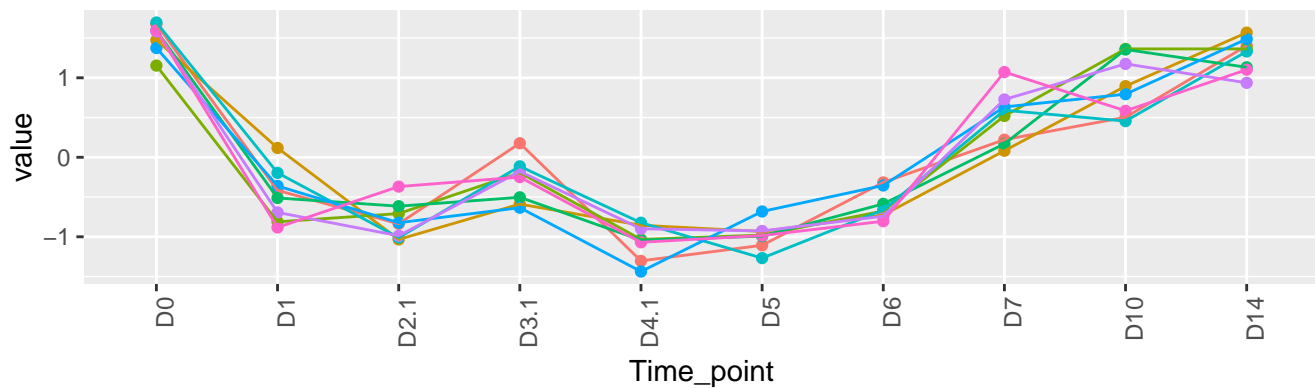
8 genes – KO-cluster-10-standardized



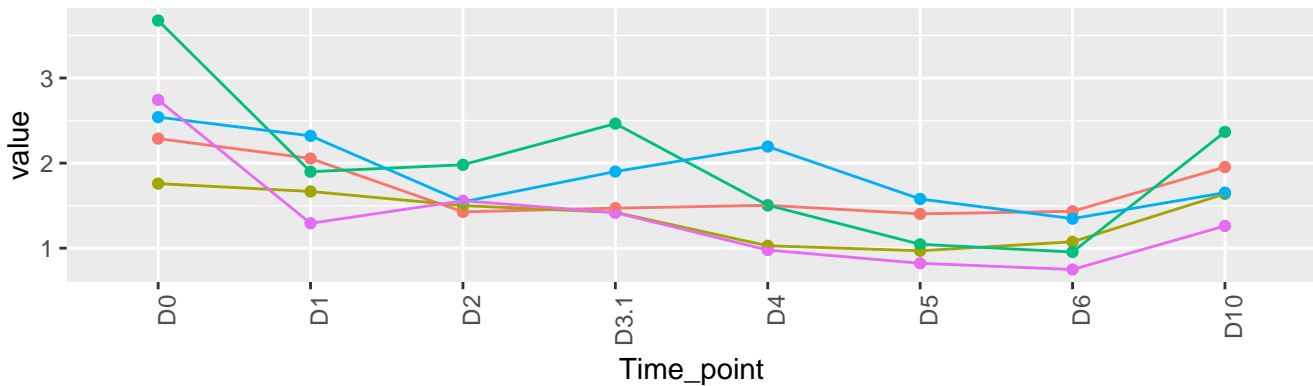
8 genes – WT-cluster-9-original



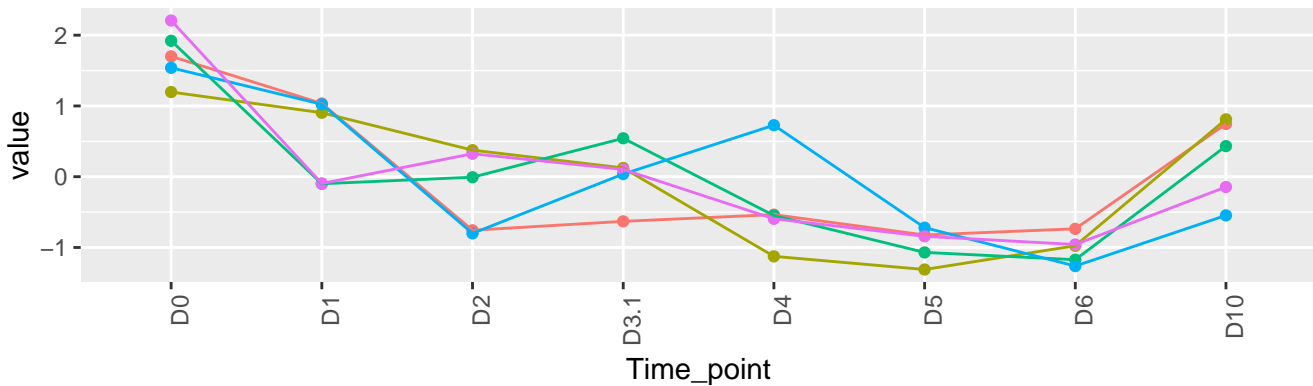
8 genes – WT-cluster-9-standardized



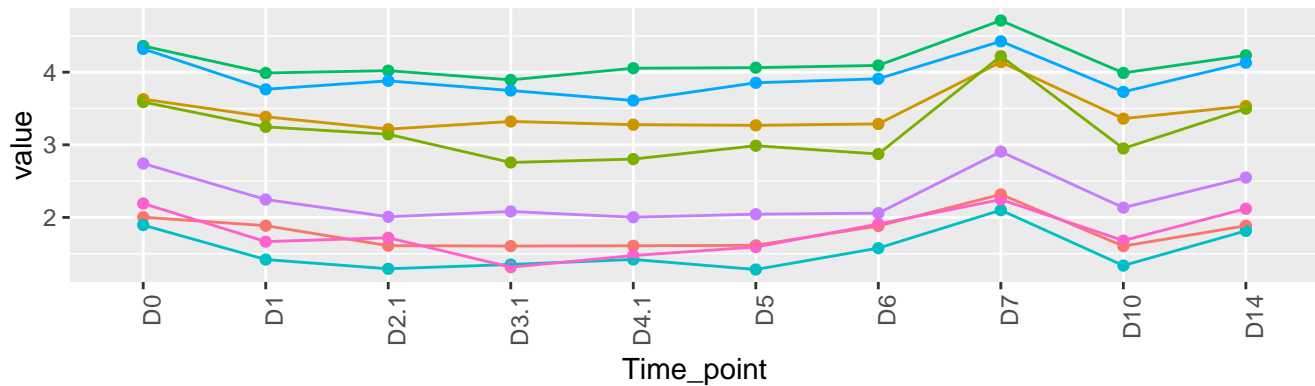
5 genes – KO-cluster-9-original



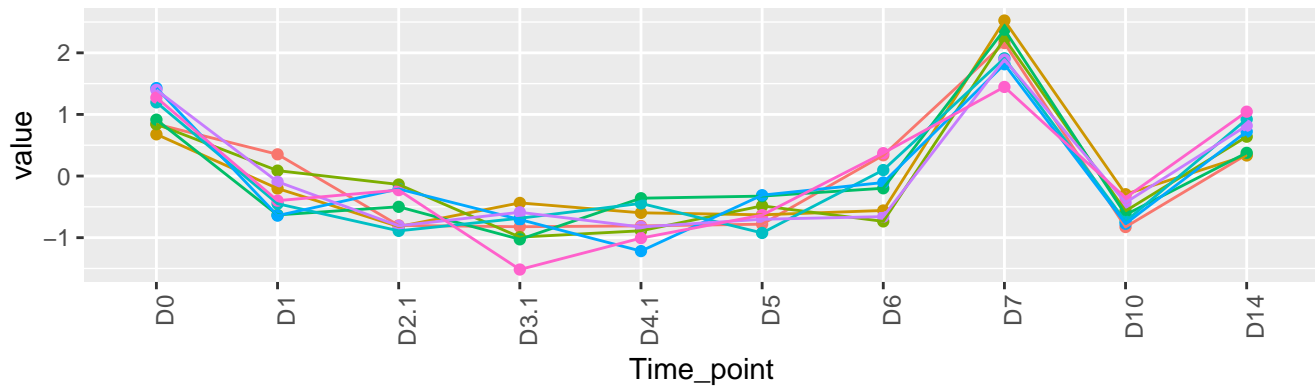
5 genes – KO-cluster-9-standardized



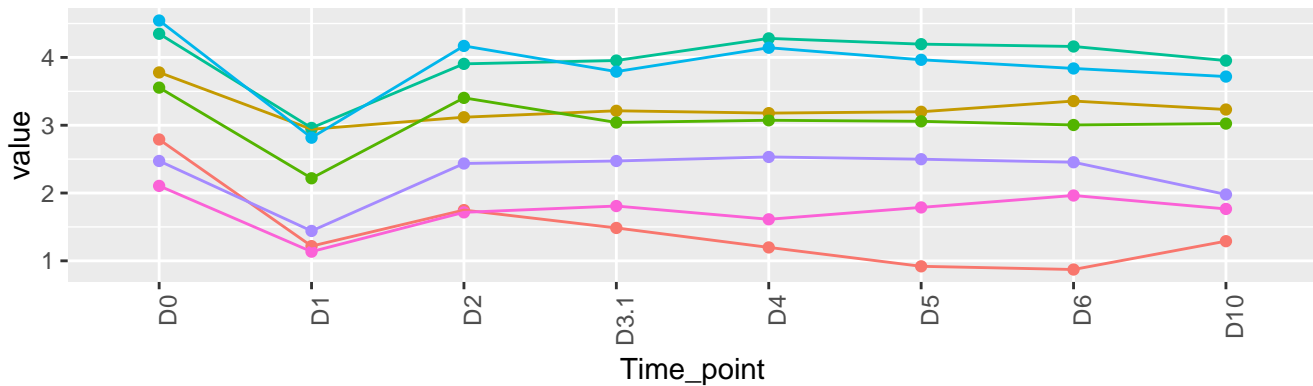
8 genes – WT-cluster-8-original



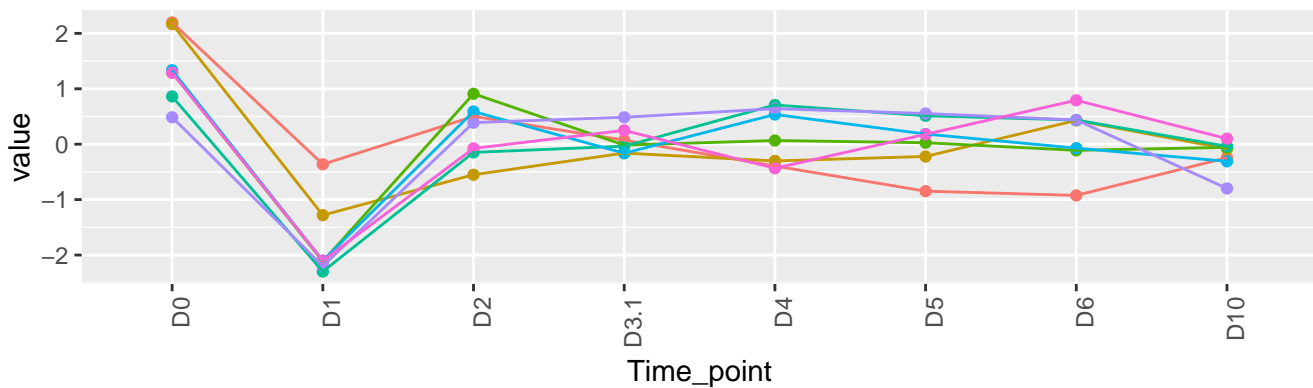
8 genes – WT-cluster-8-standardized



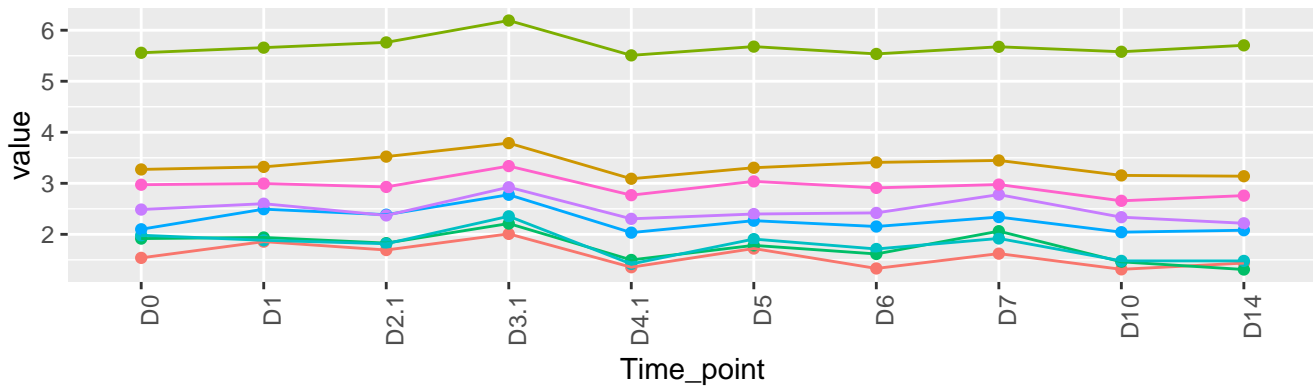
7 genes – KO-cluster-8-original



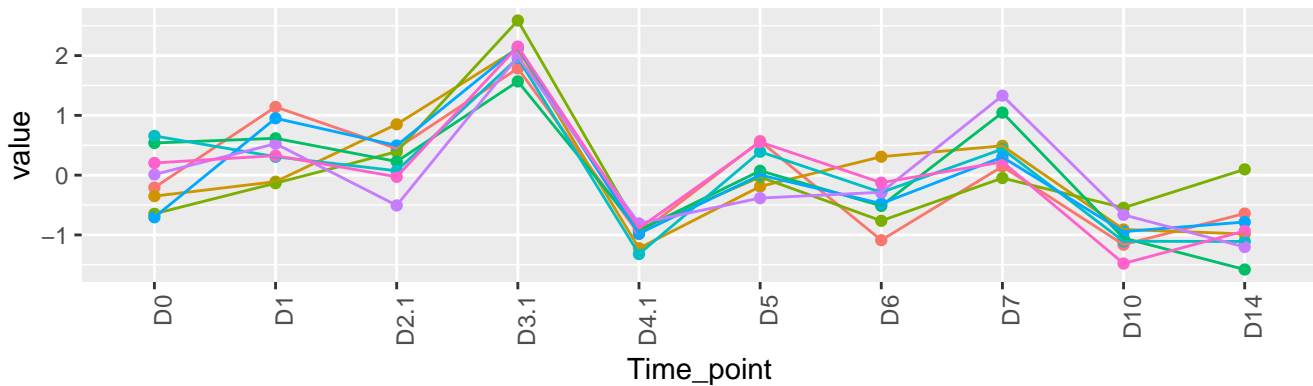
7 genes – KO-cluster-8-standardized



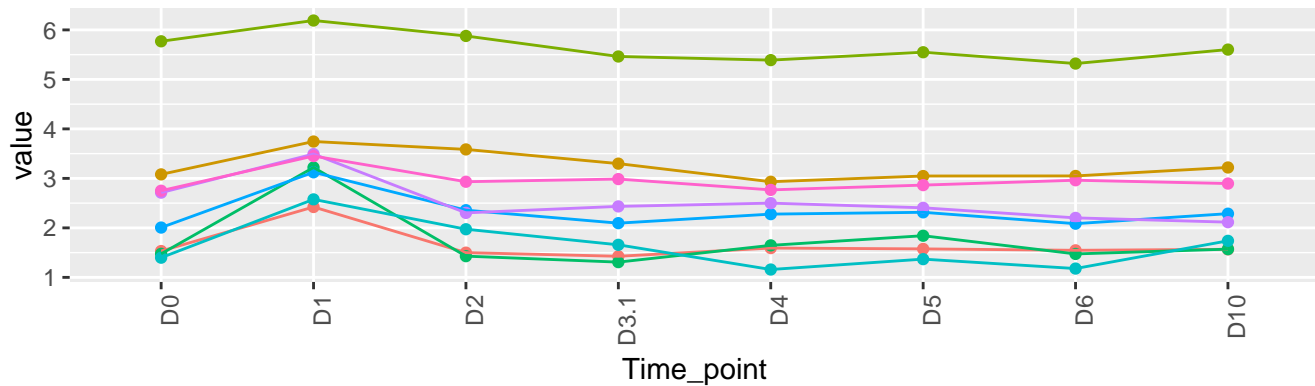
8 genes – WT-cluster-7-original



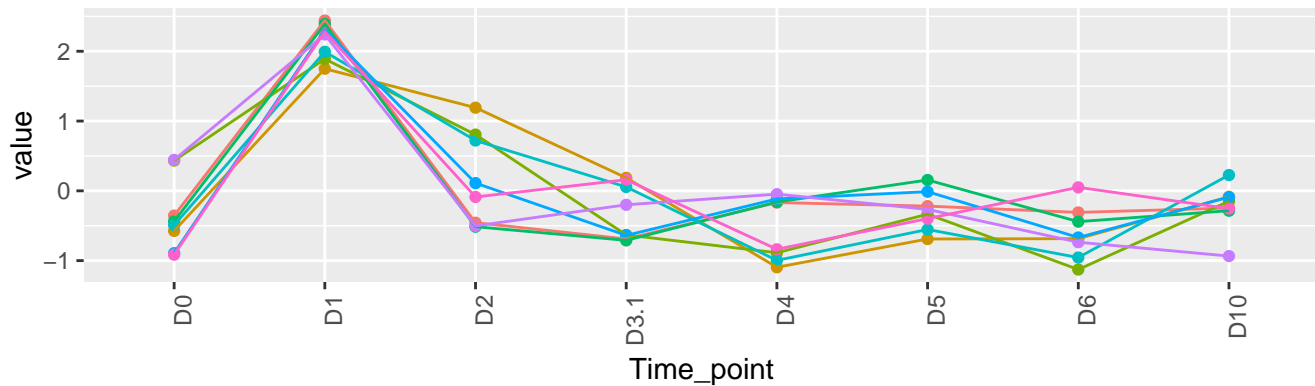
8 genes – WT-cluster-7-standardized



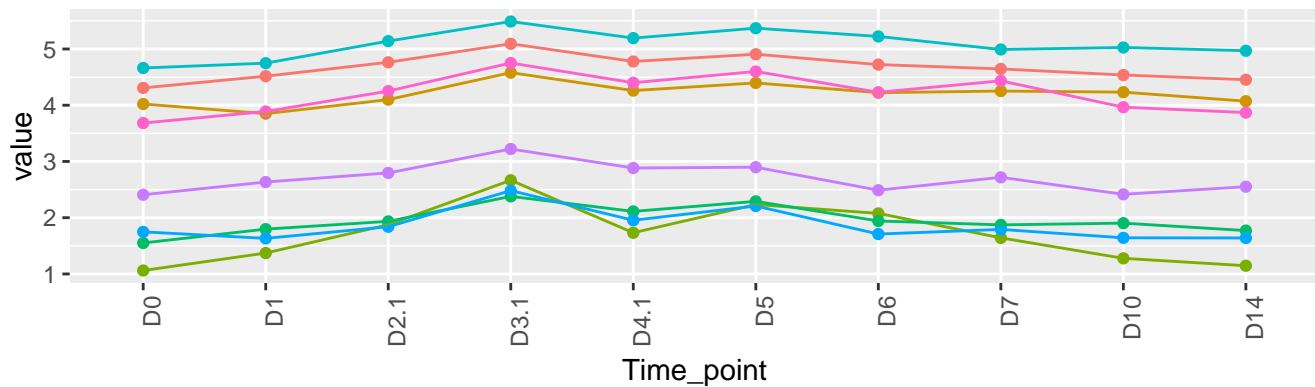
8 genes – KO-cluster-7–original



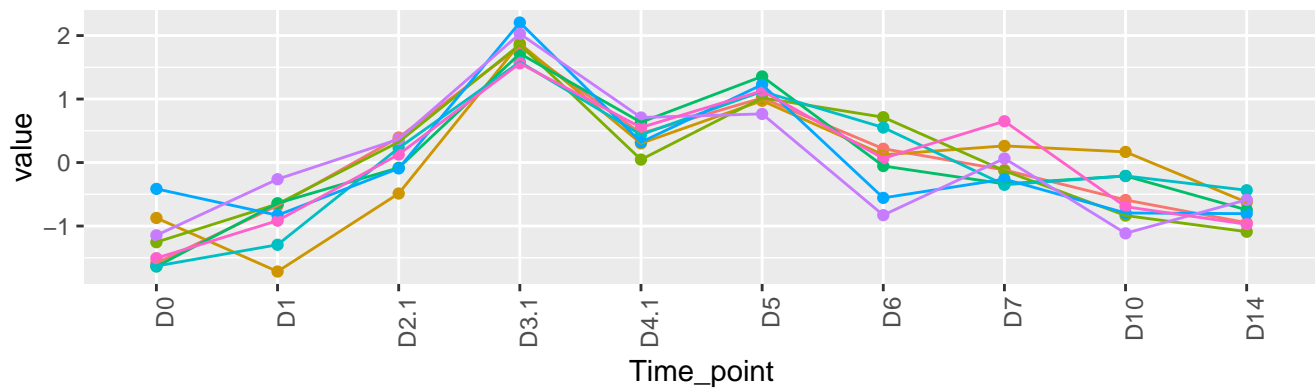
8 genes – KO-cluster-7–standardized



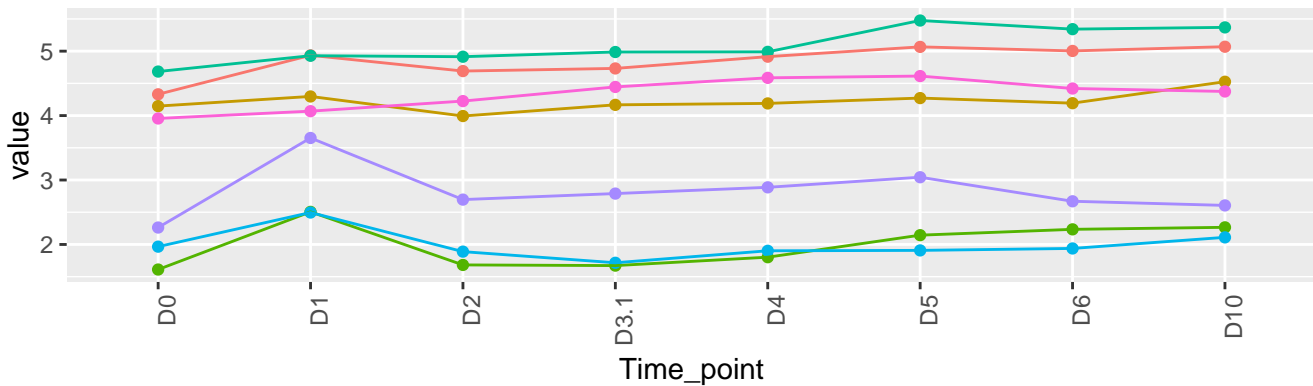
8 genes – WT-cluster-6-original



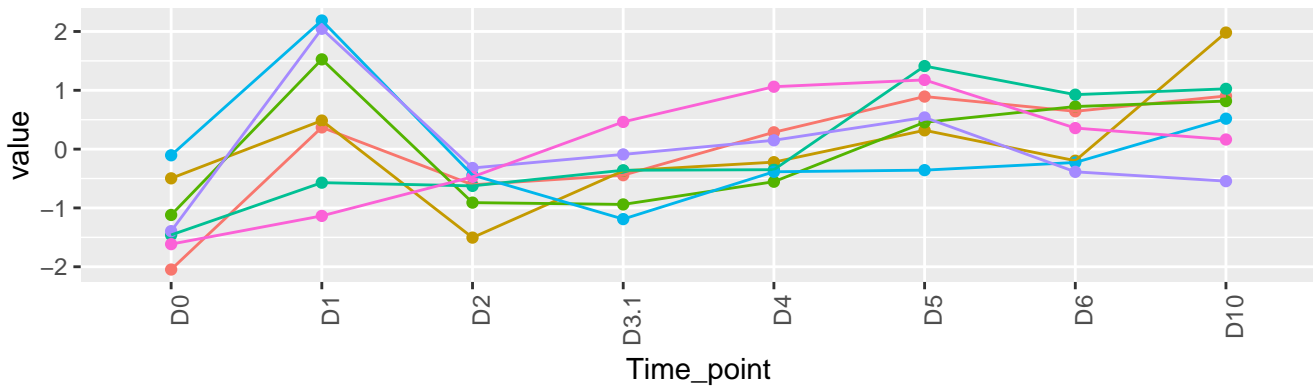
8 genes – WT-cluster-6-standardized



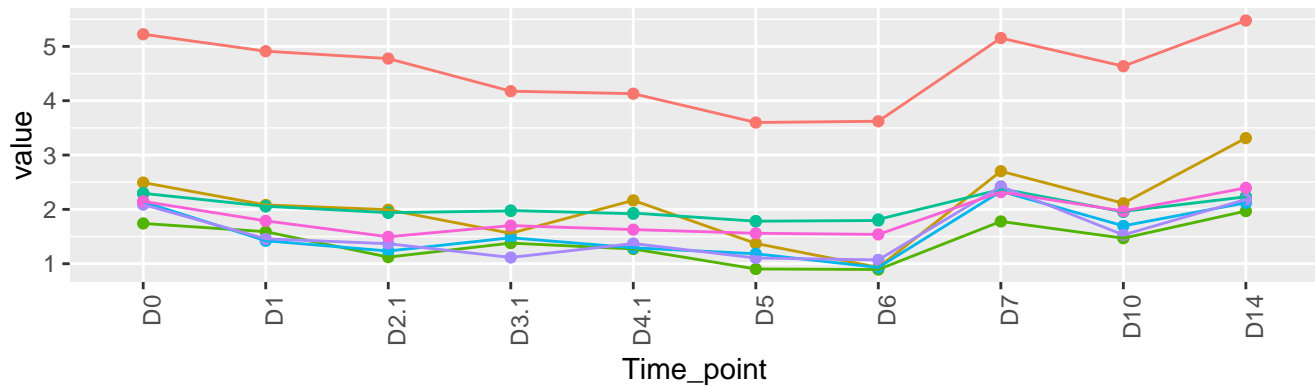
7 genes – KO-cluster-6-original



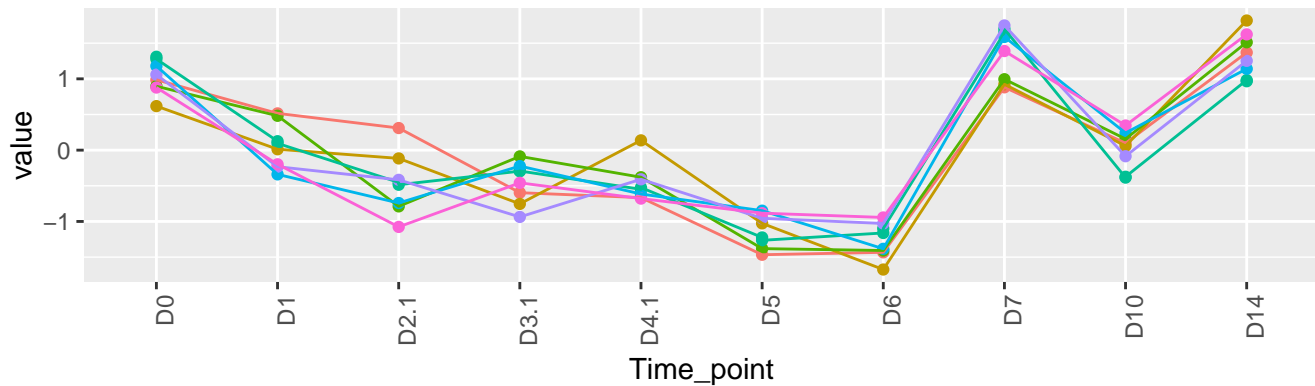
7 genes – KO-cluster-6-standardized



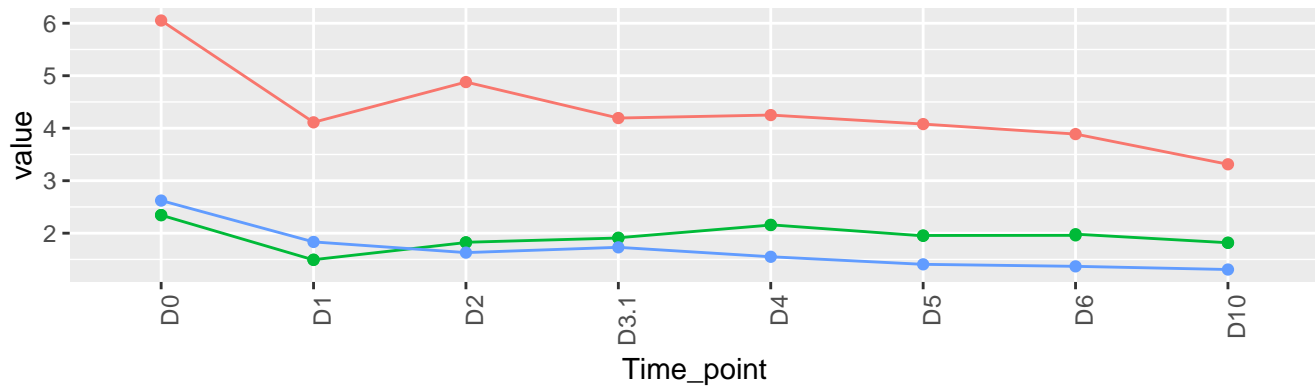
8 genes – WT-cluster-5-original



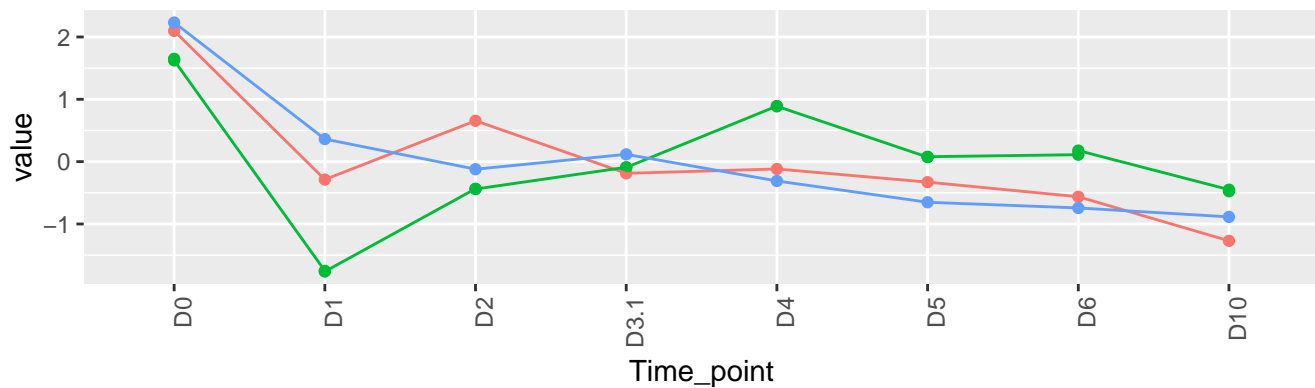
8 genes – WT-cluster-5-standardized



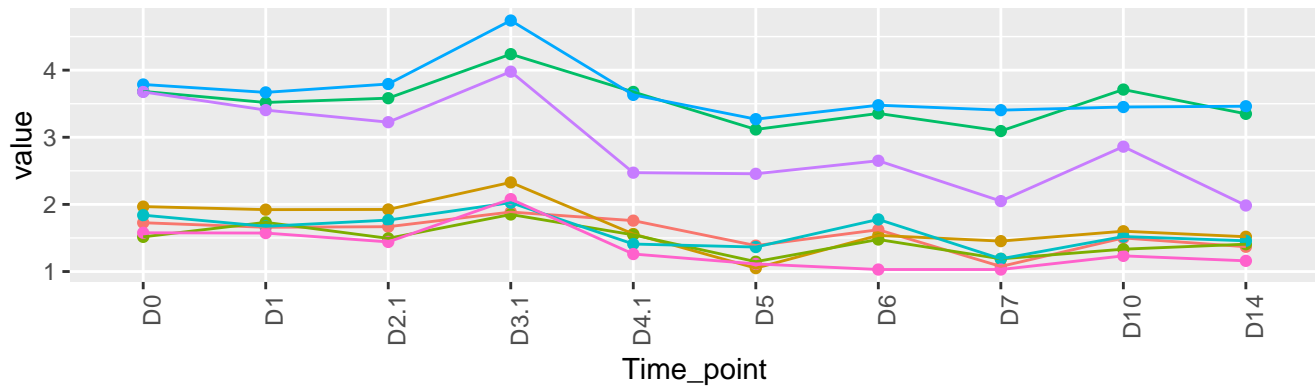
4 genes – KO-cluster-5-original



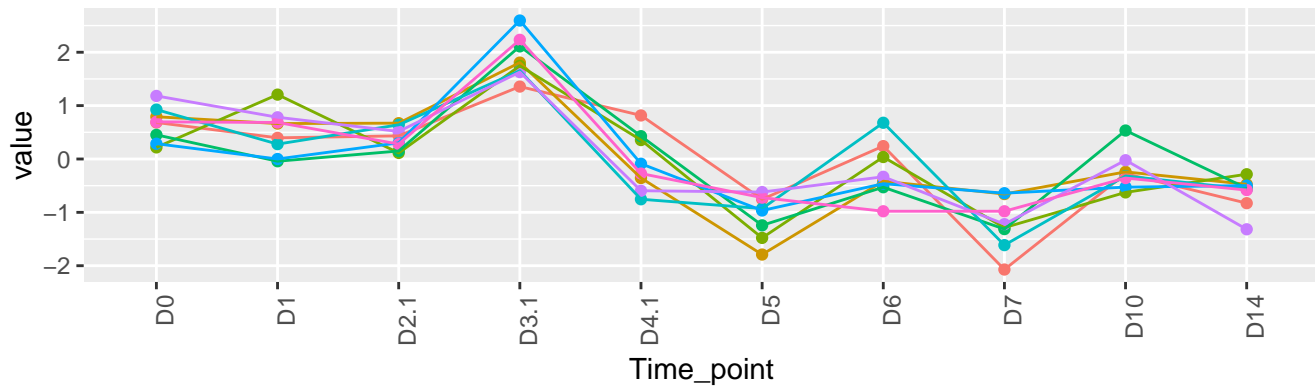
4 genes – KO-cluster-5-standardized



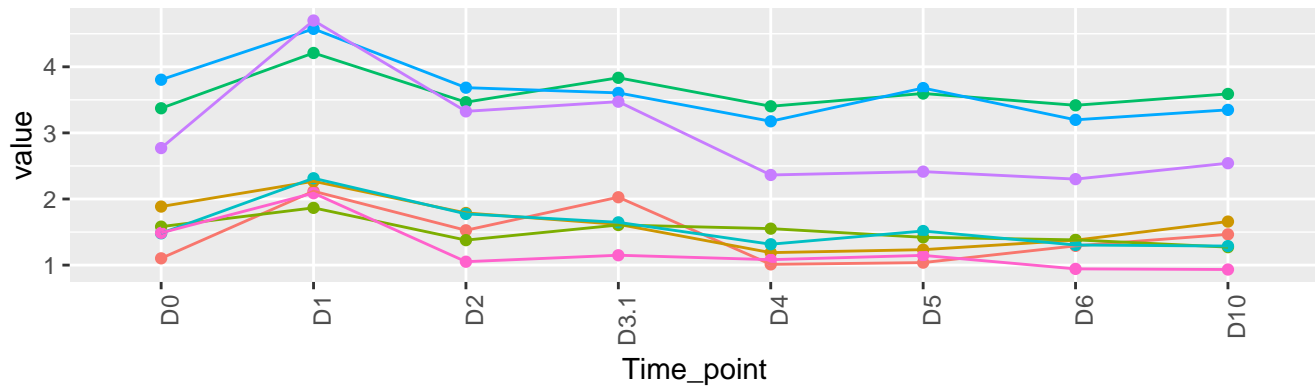
8 genes – WT-cluster-4-original



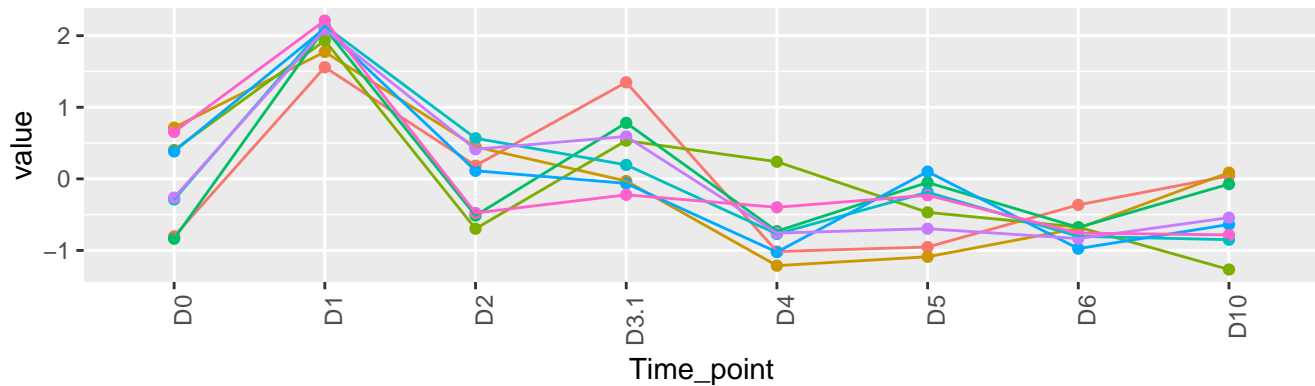
8 genes – WT-cluster-4-standardized



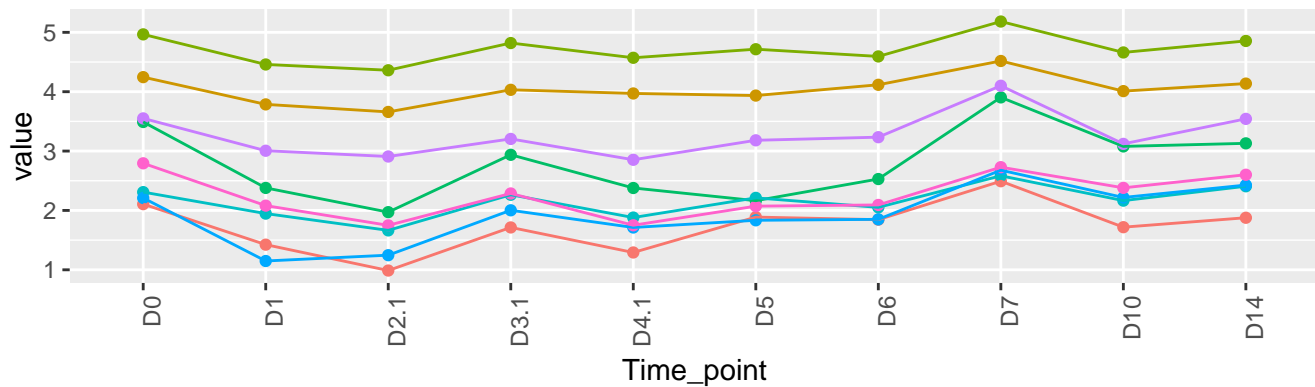
8 genes – KO-cluster-4-original



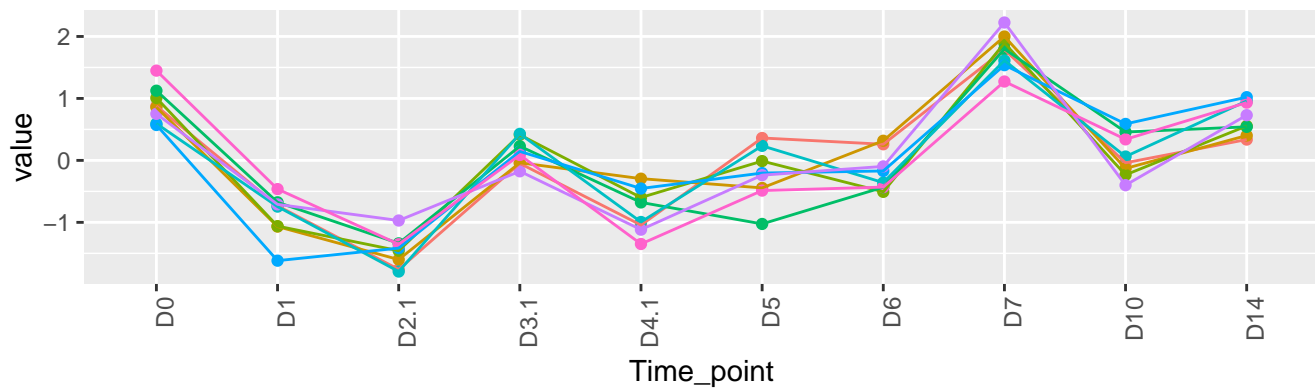
8 genes – KO-cluster-4-standardized



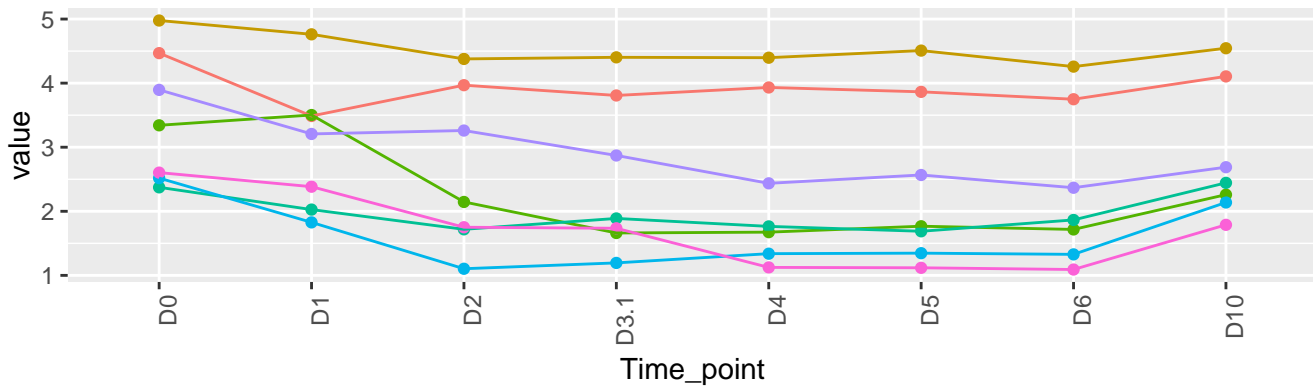
8 genes – WT-cluster-3-original



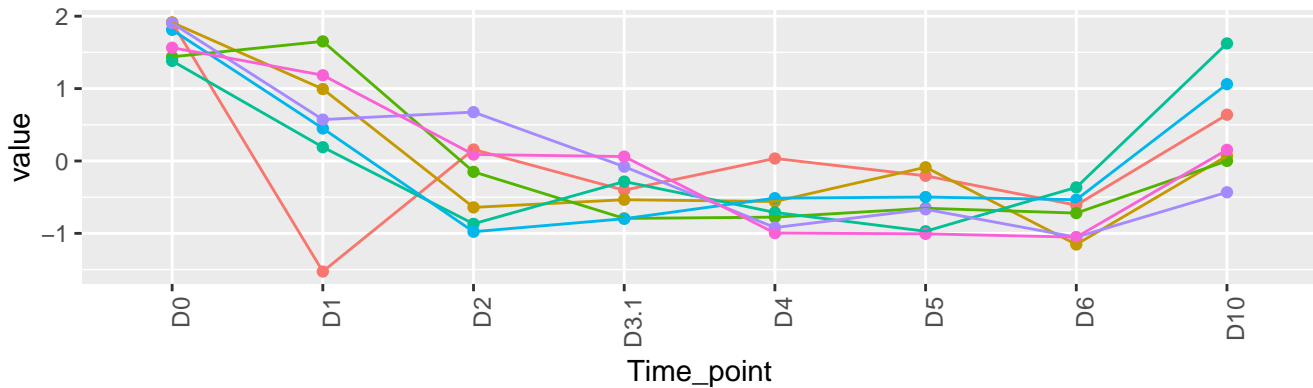
8 genes – WT-cluster-3-standardized



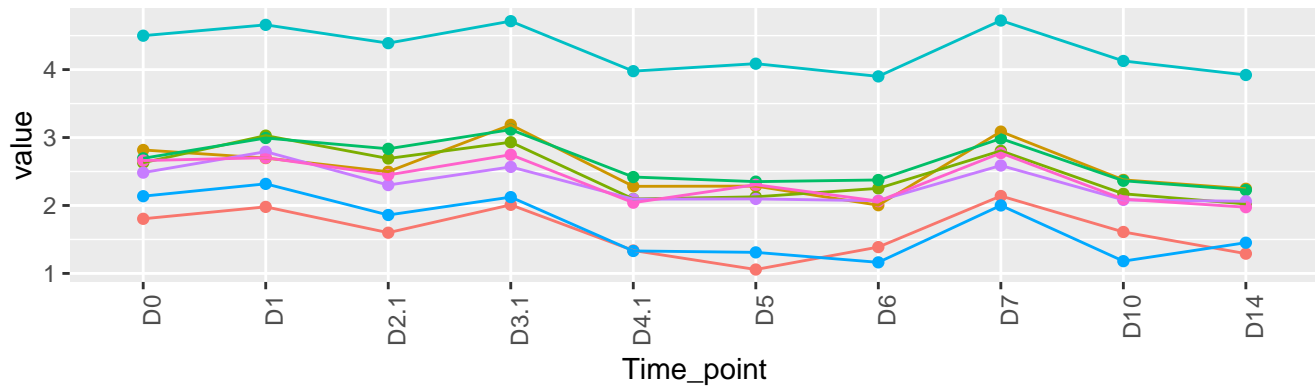
7 genes – KO-cluster-3-original



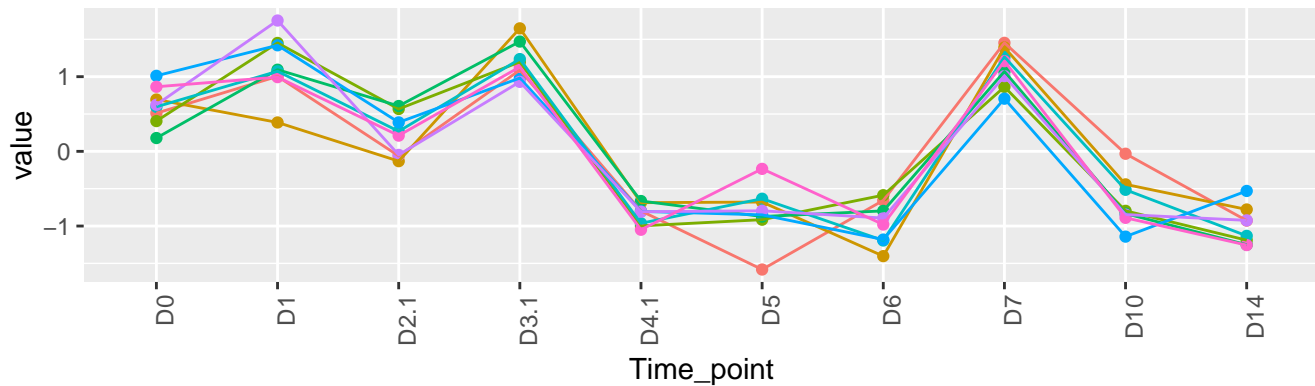
7 genes – KO-cluster-3-standardized



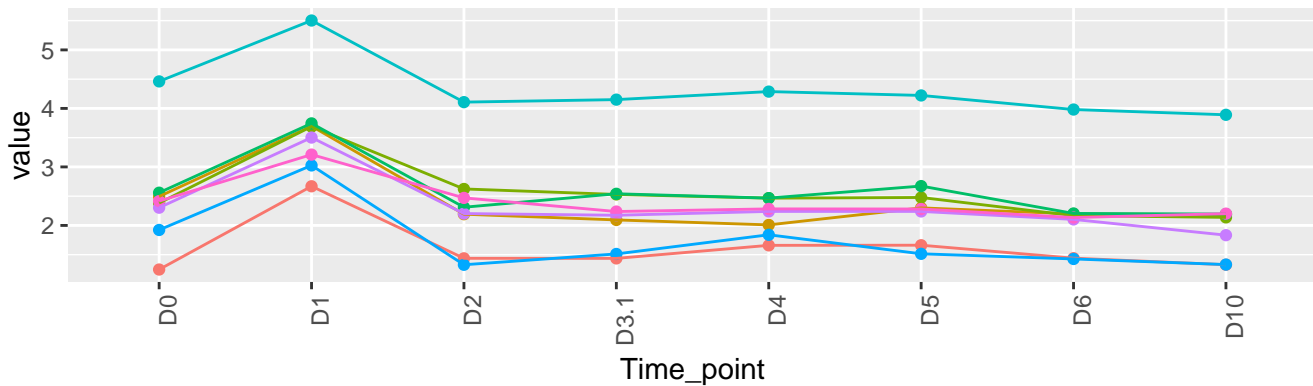
8 genes – WT-cluster-2-original



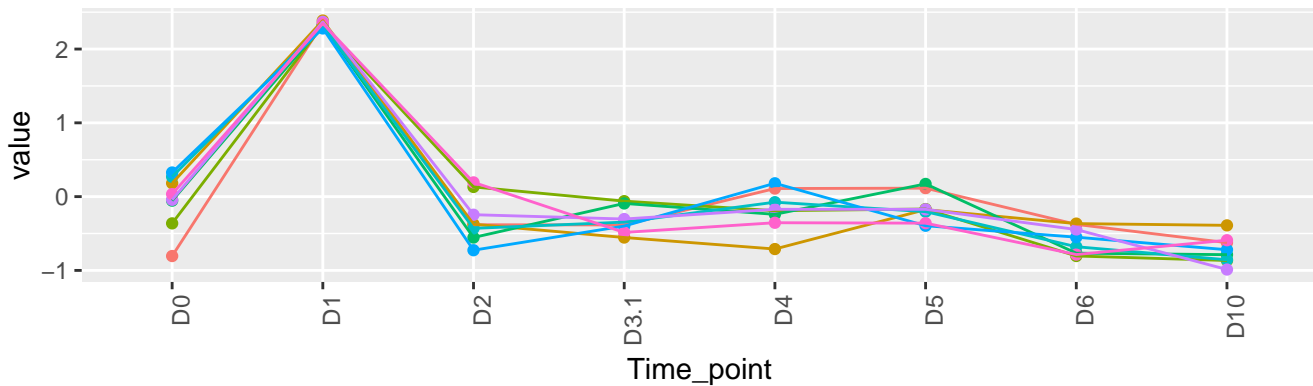
8 genes – WT-cluster-2-standardized



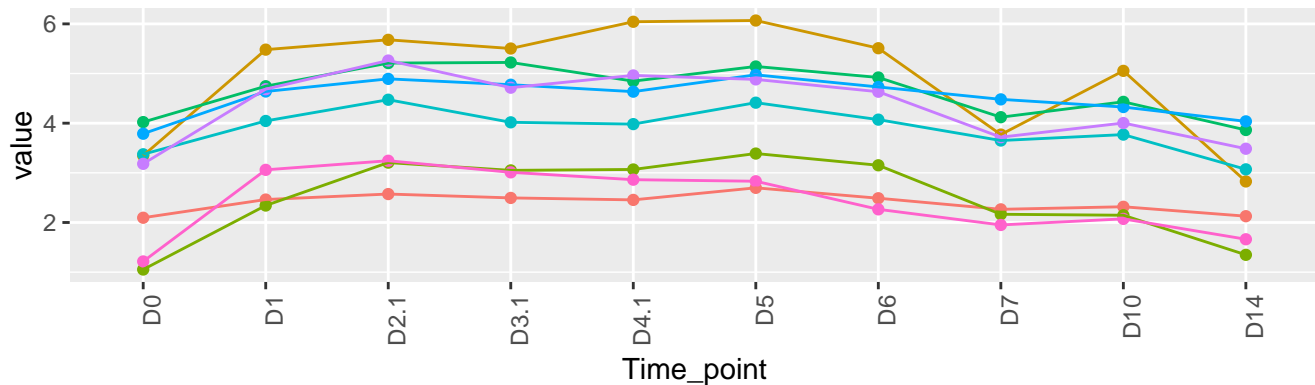
8 genes – KO-cluster-2-original



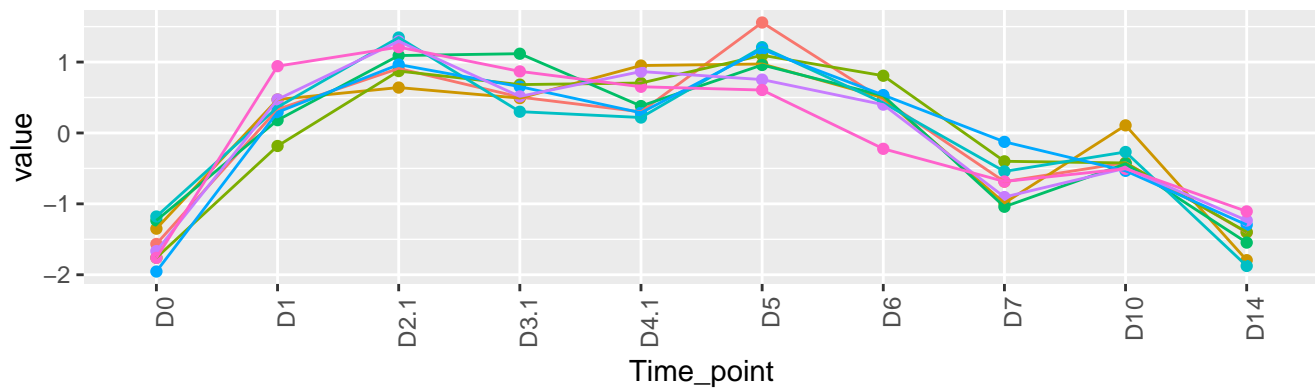
8 genes – KO-cluster-2-standardized



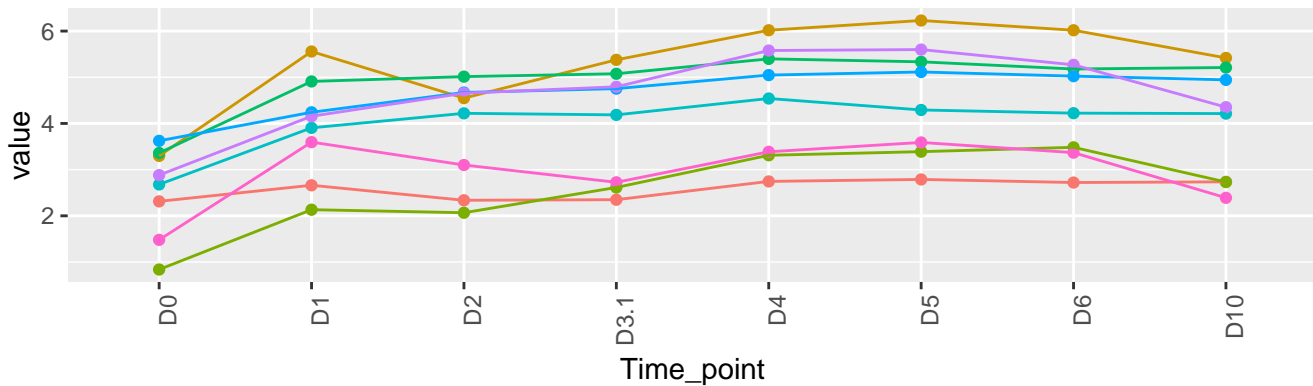
8 genes – WT-cluster-1-original



8 genes – WT-cluster-1-standardized



8 genes – KO-cluster-1-original



8 genes – KO-cluster-1-standardized

