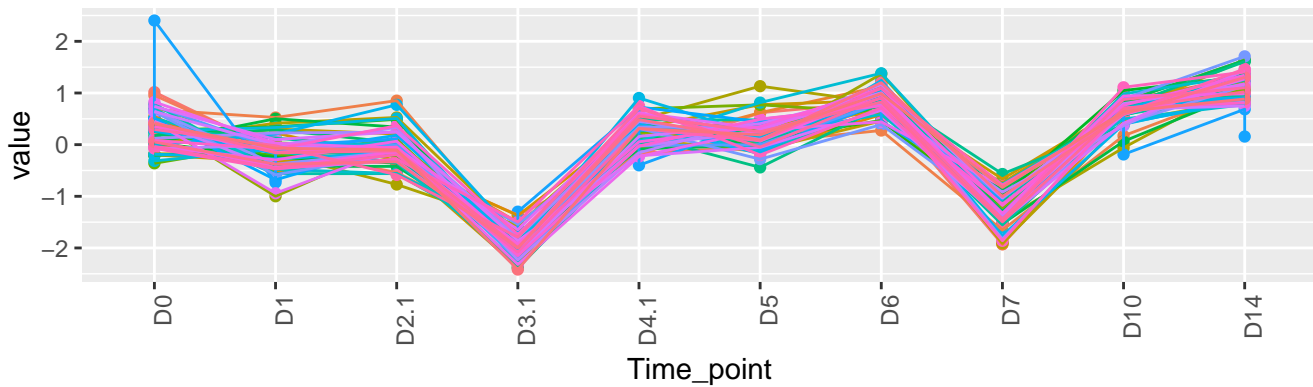
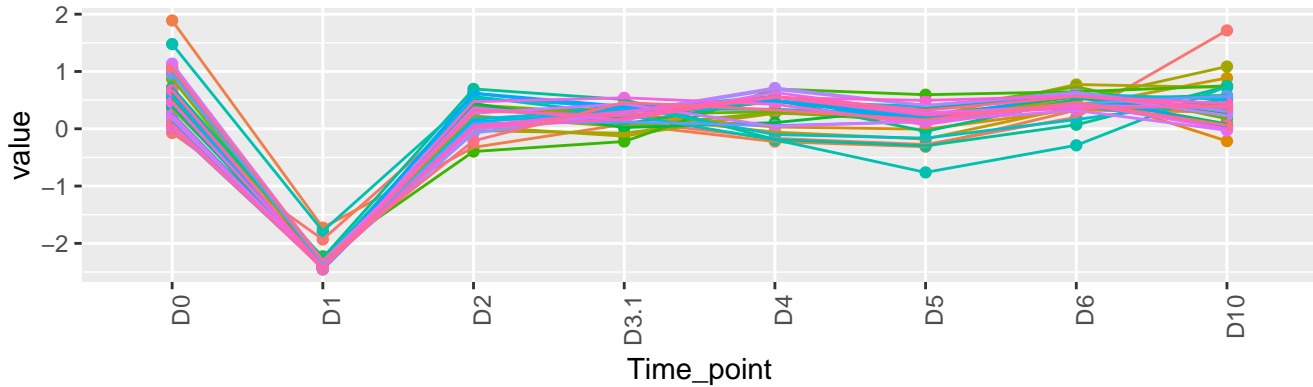


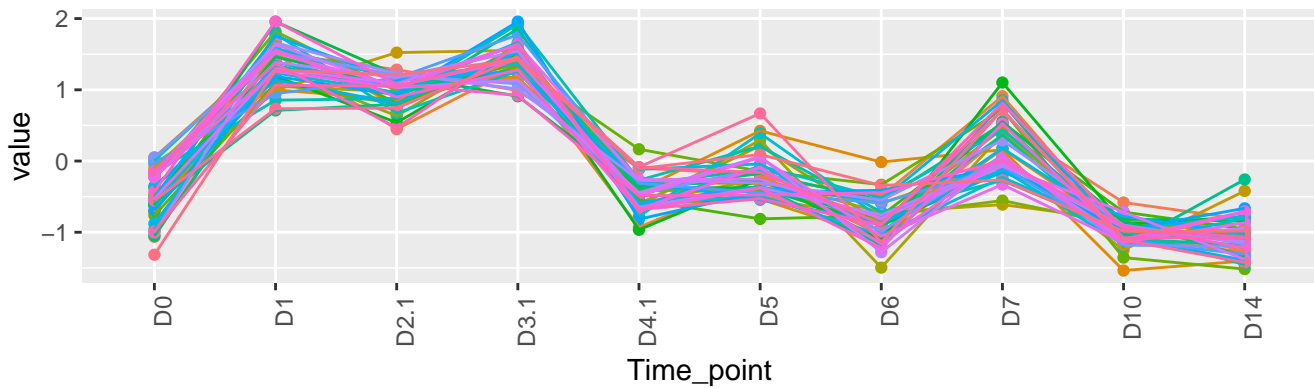
60 genes – WT-cluster-200-standardized



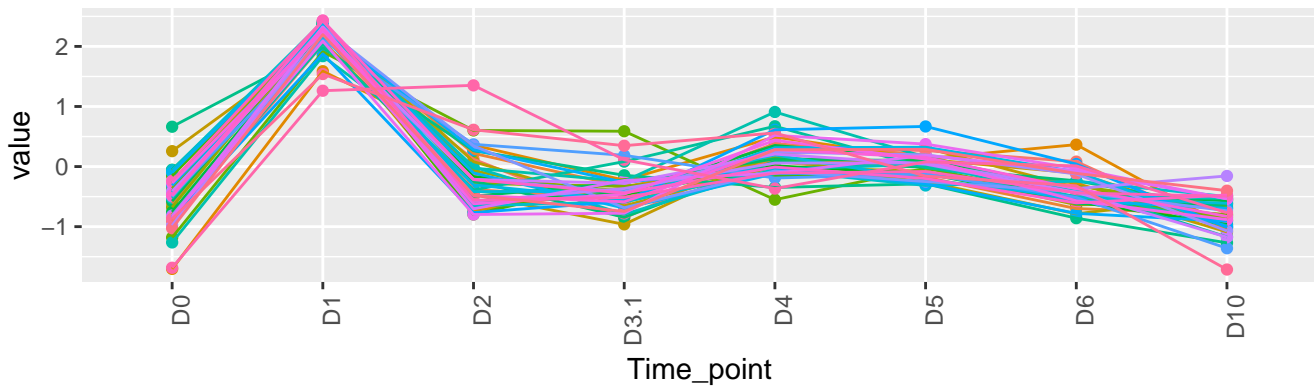
30 genes – KO-cluster-200-standardized



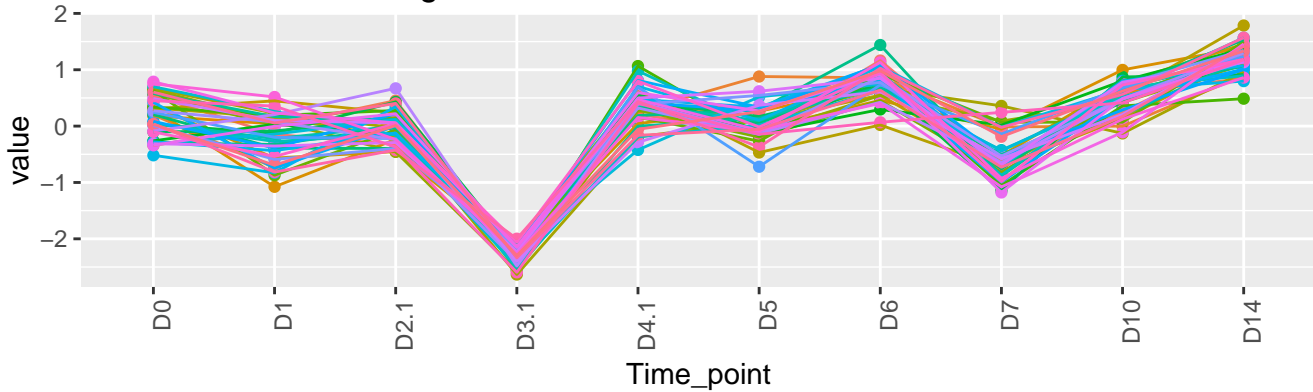
41 genes – WT-cluster-199-standardized



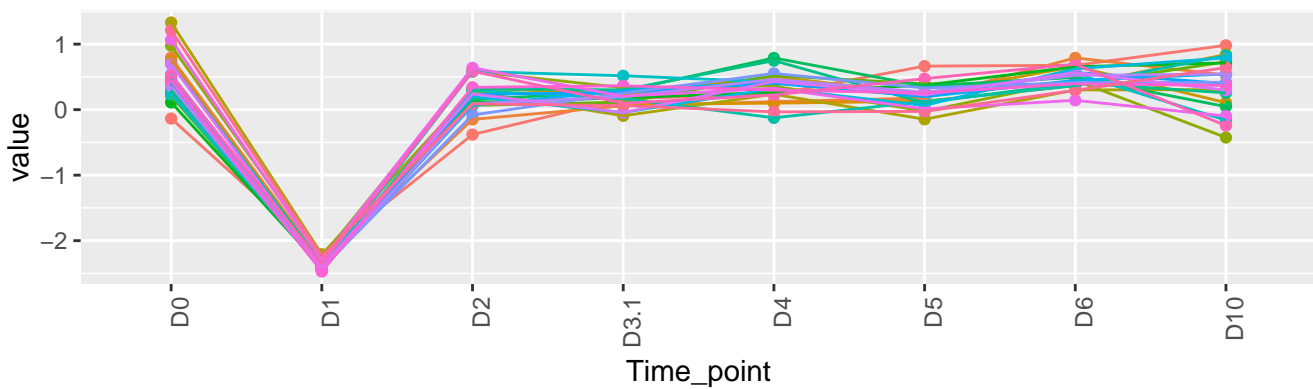
41 genes – KO-cluster-199-standardized



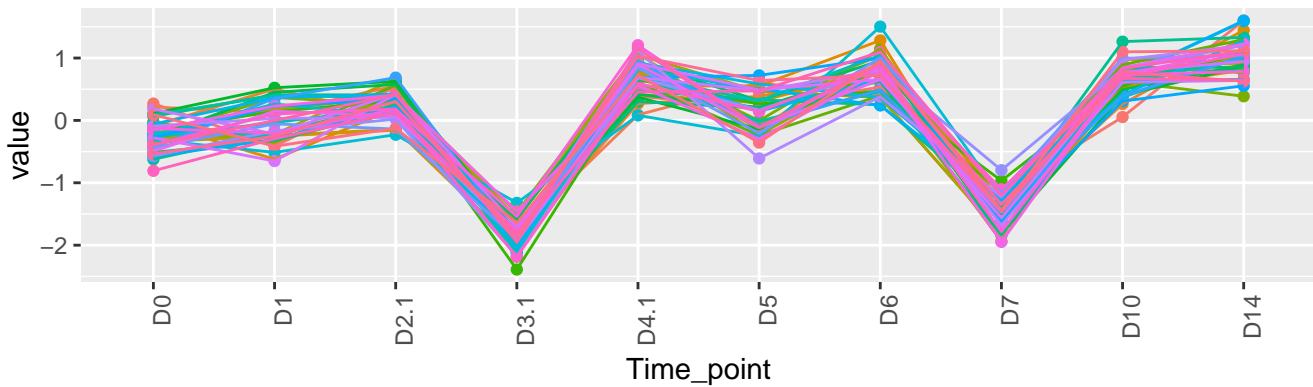
41 genes – WT-cluster-198-standardized



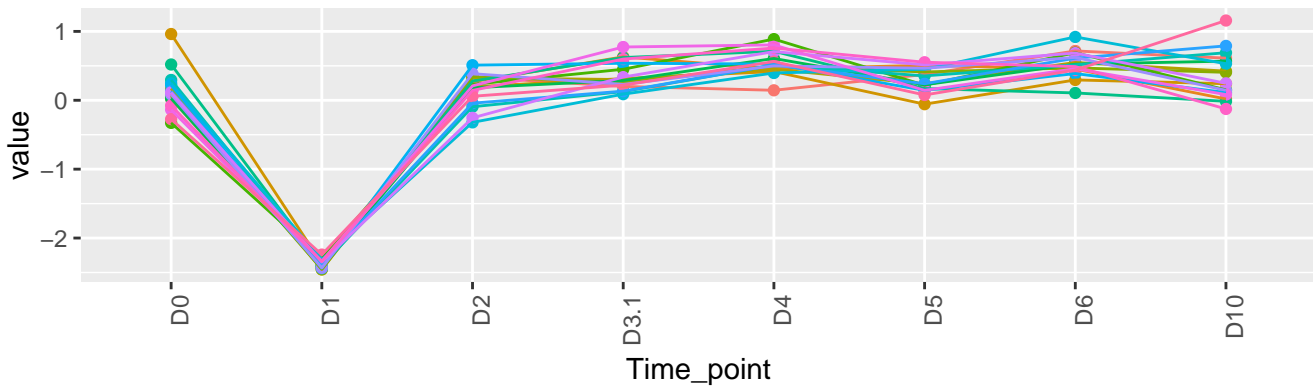
22 genes – KO-cluster-198-standardized



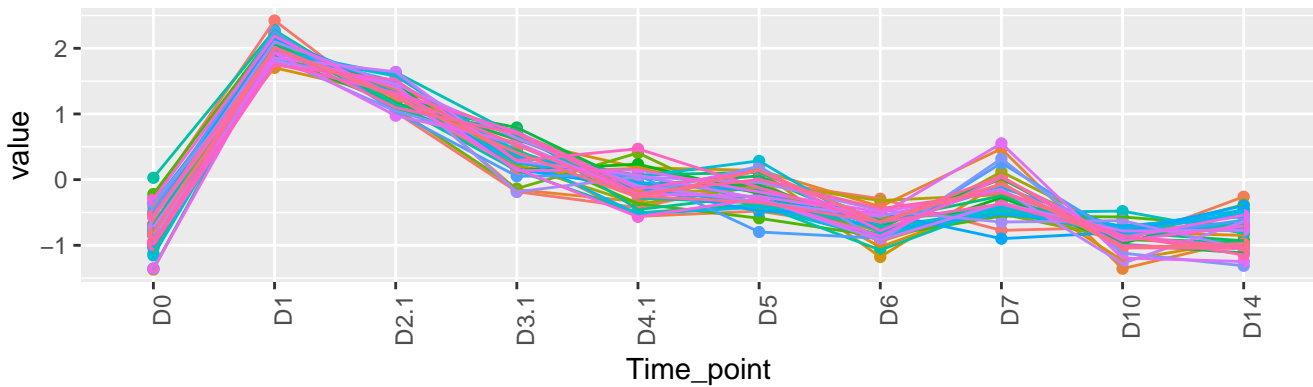
40 genes – WT-cluster-197-standardized



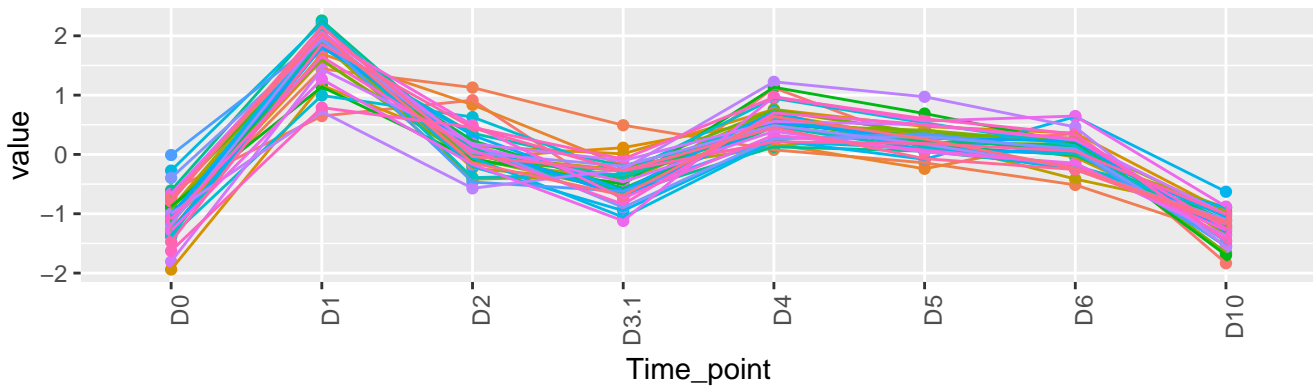
17 genes – KO-cluster-197-standardized



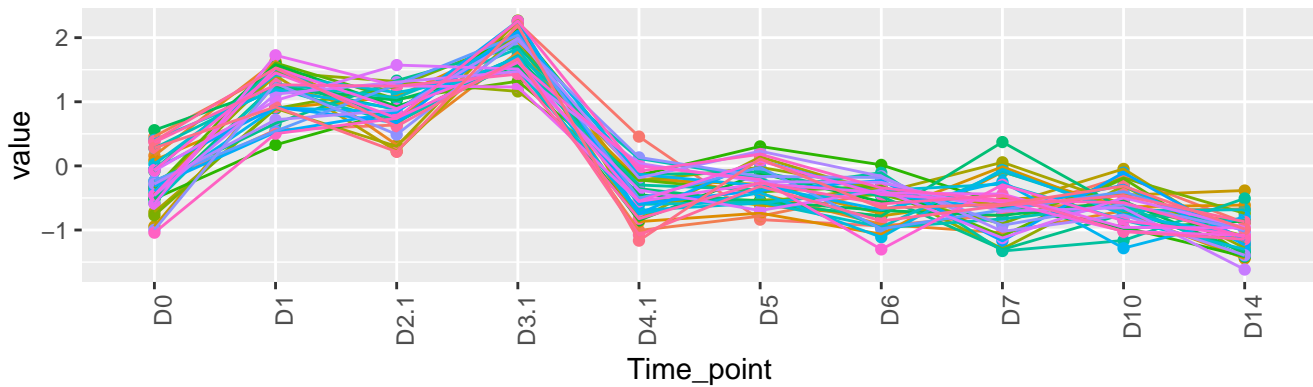
38 genes – WT-cluster-196-standardized



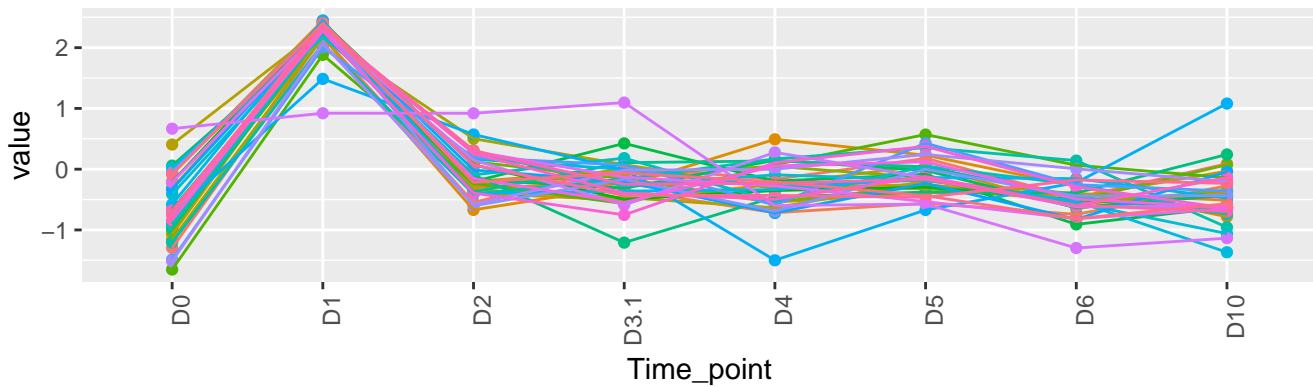
38 genes – KO-cluster-196-standardized



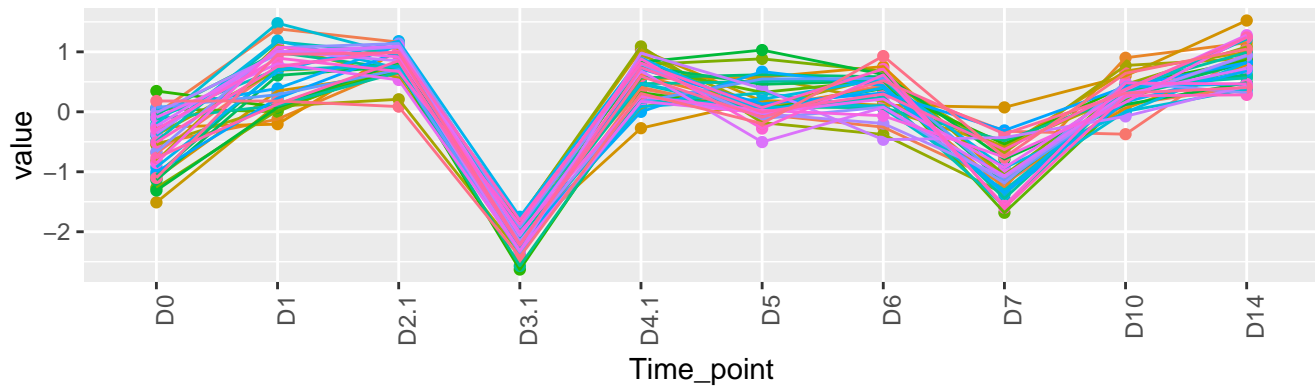
36 genes – WT-cluster-195-standardized



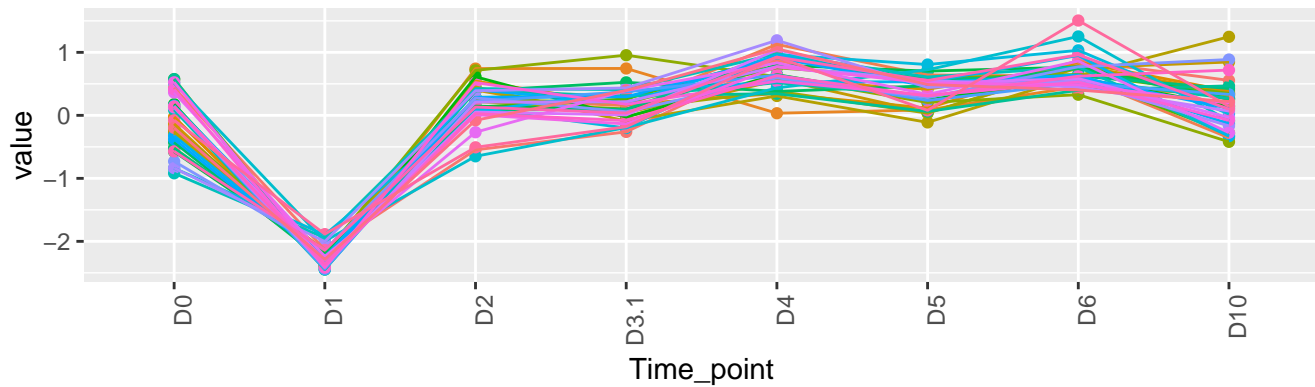
35 genes – KO-cluster-195-standardized



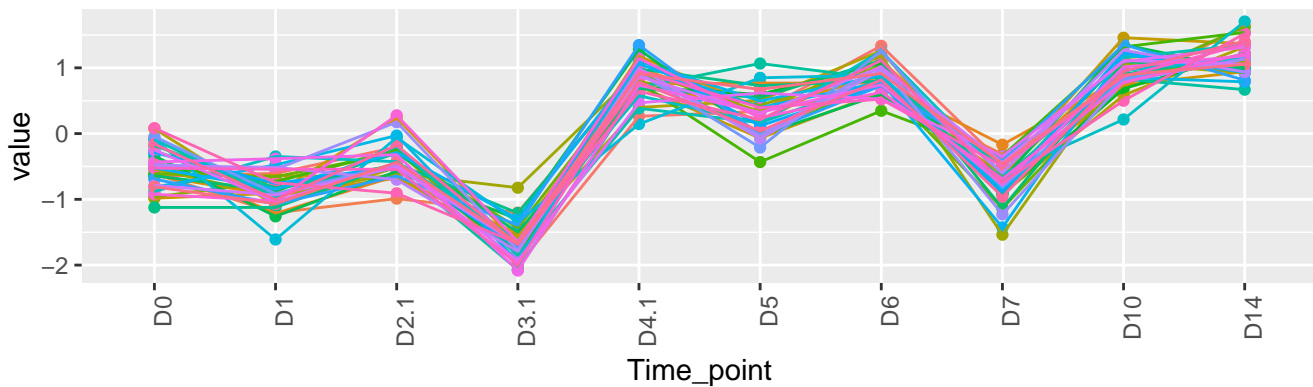
36 genes – WT-cluster-194-standardized



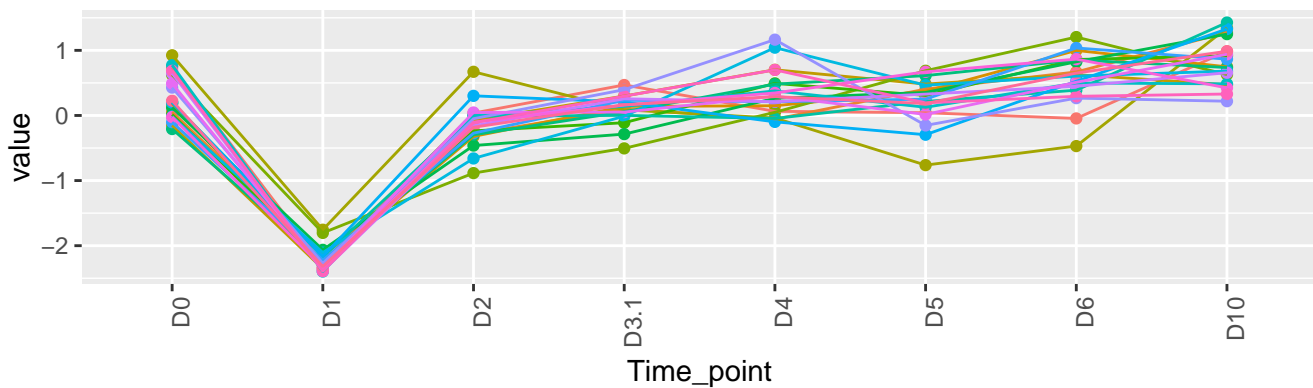
35 genes – KO-cluster-194-standardized



34 genes – WT-cluster-193-standardized

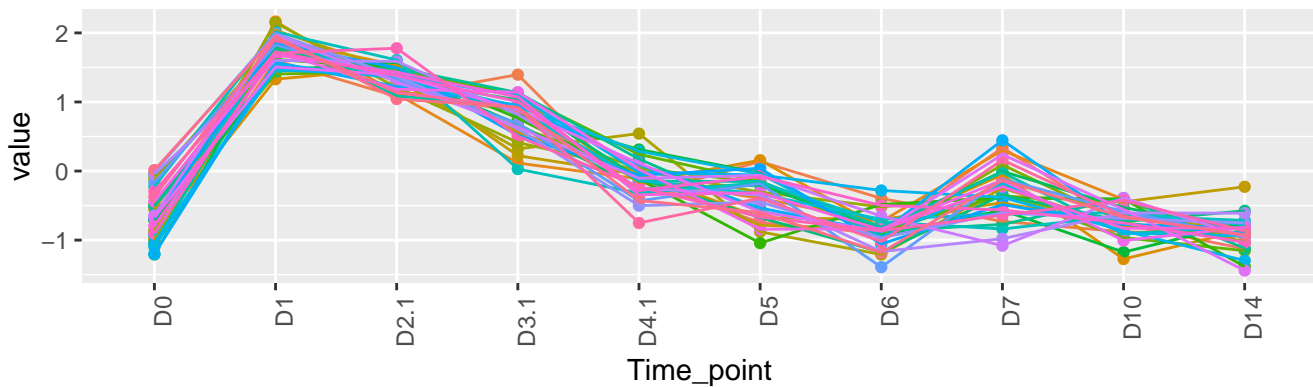


20 genes – KO-cluster-193-standardized

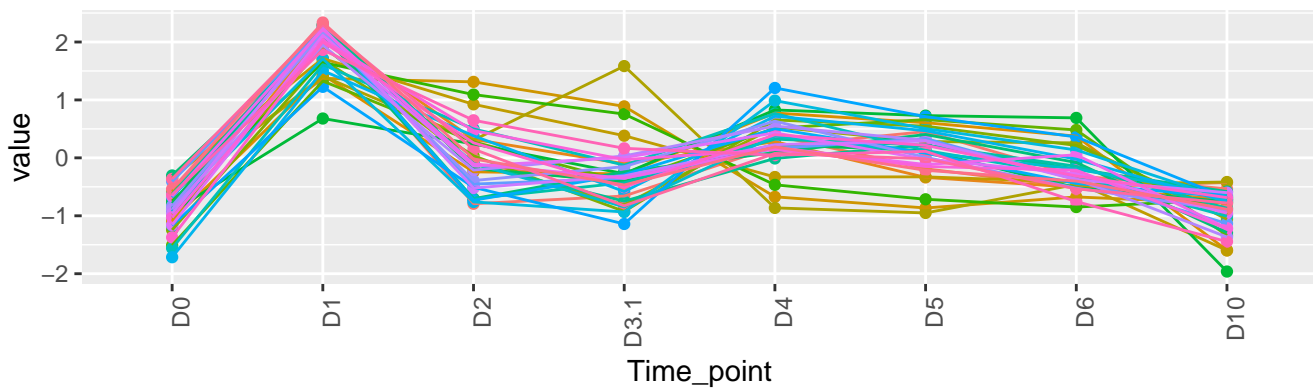




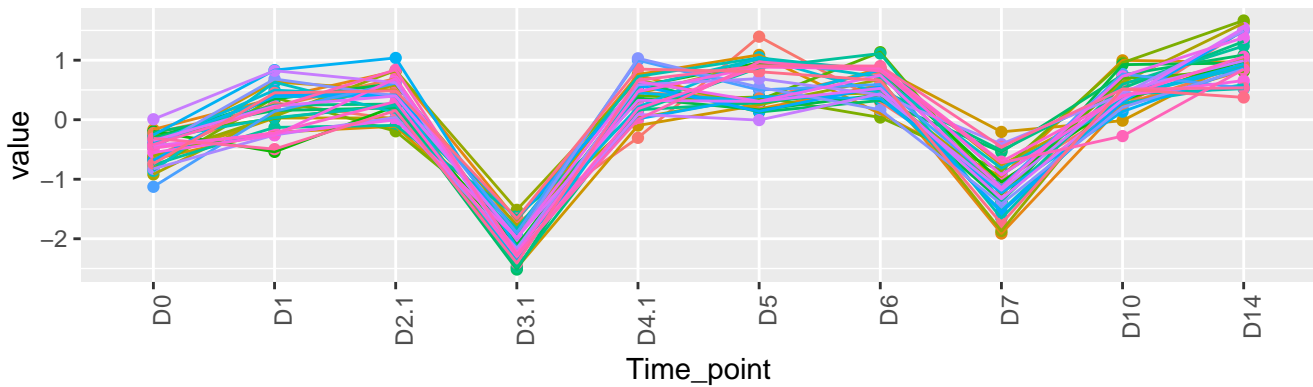
33 genes – WT-cluster-192-standardized



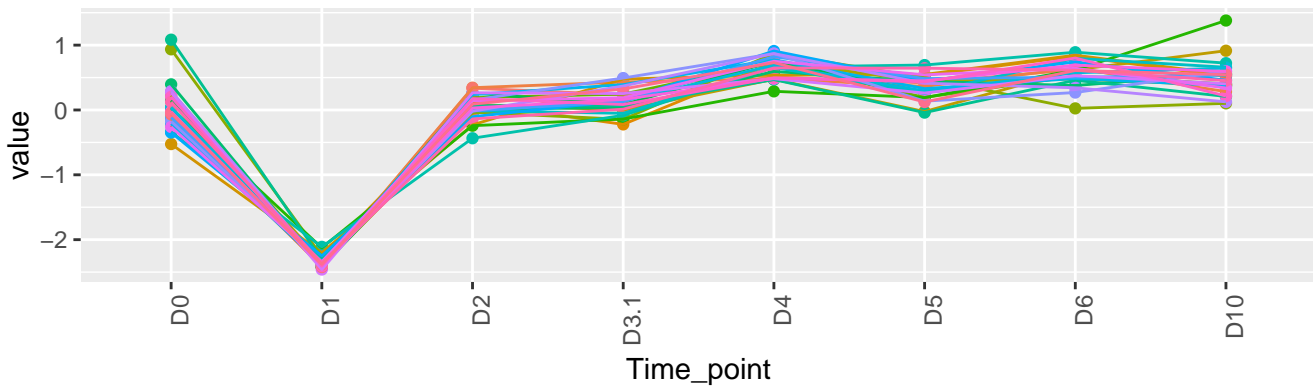
33 genes – KO-cluster-192-standardized



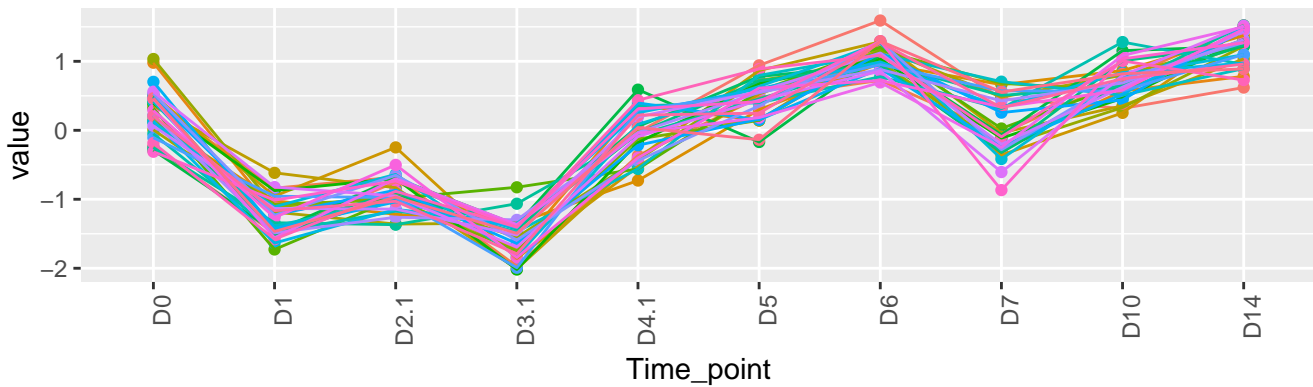
32 genes – WT-cluster-191-standardized



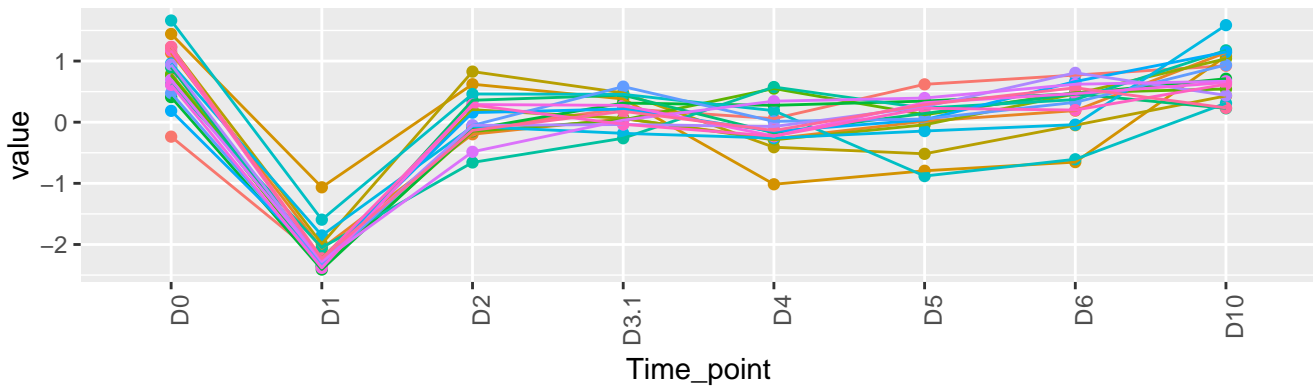
26 genes – KO-cluster-191-standardized



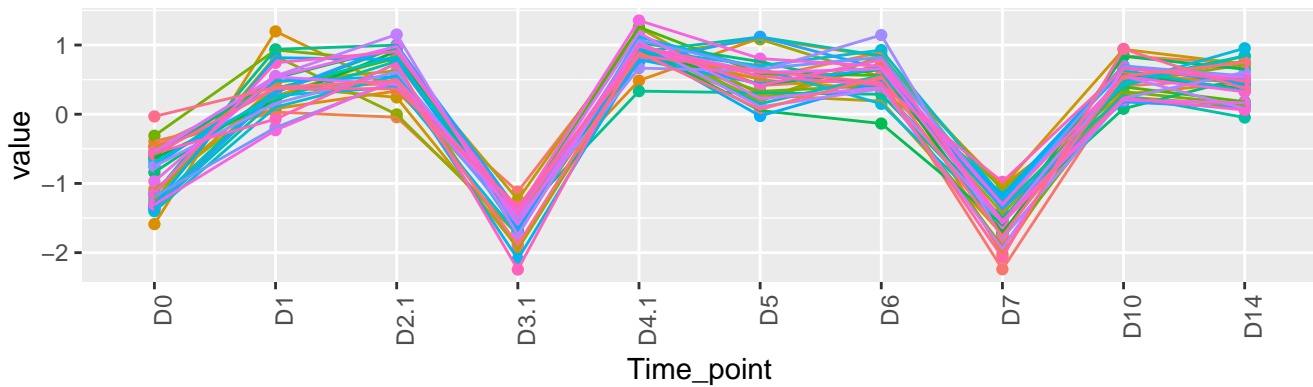
32 genes – WT-cluster-190-standardized



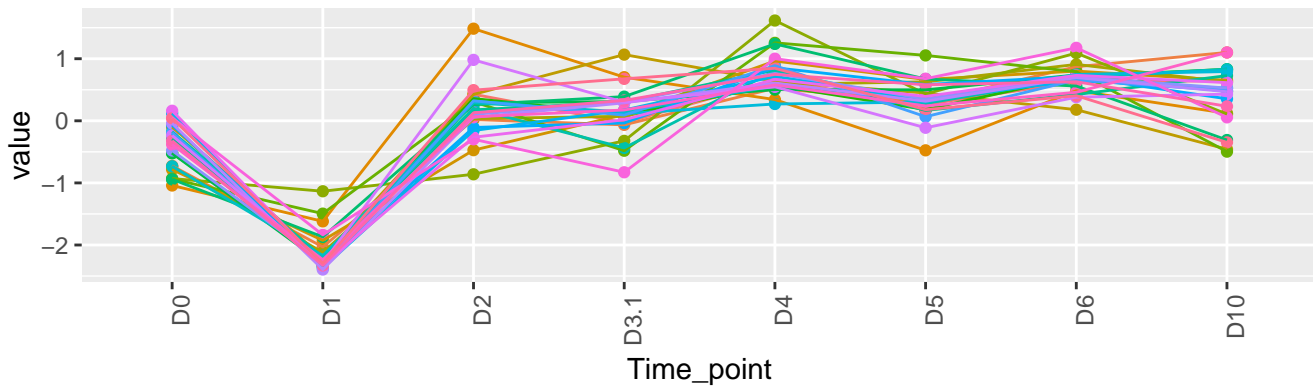
18 genes – KO-cluster-190-standardized



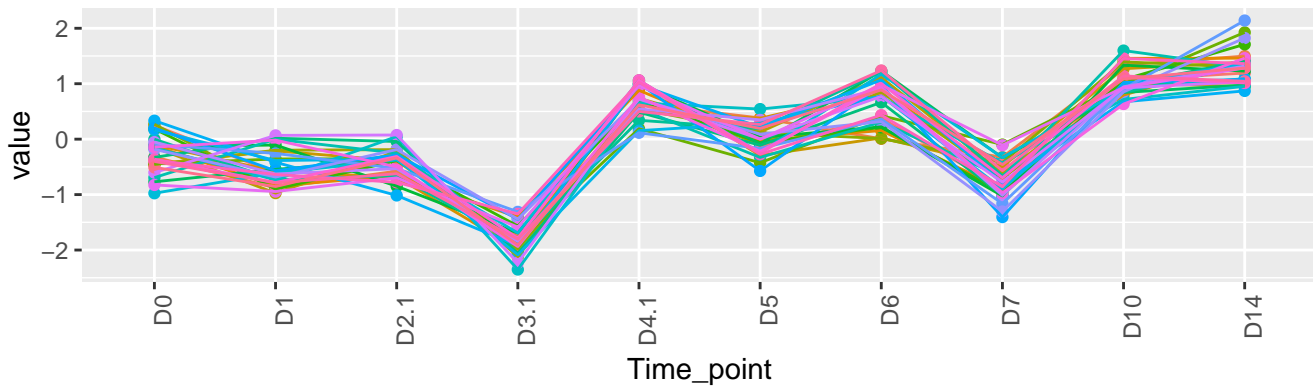
31 genes – WT-cluster-189-standardized



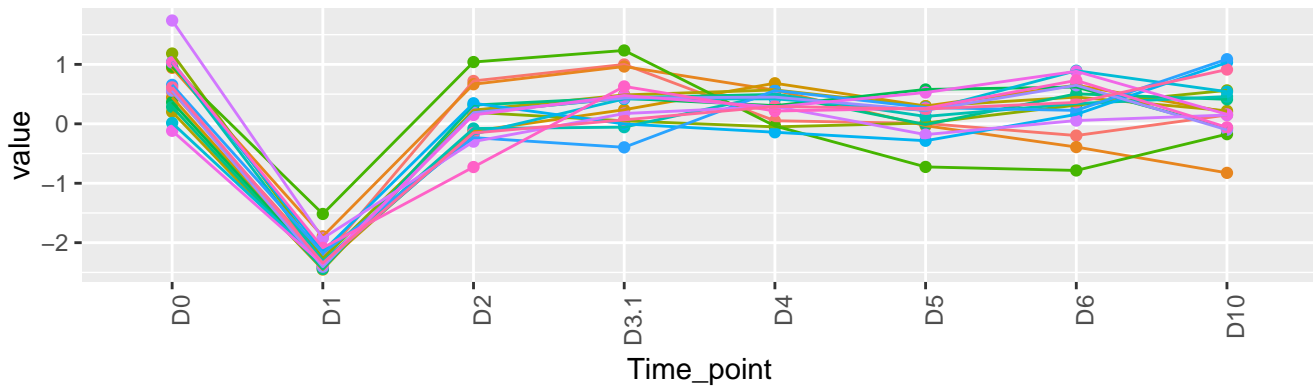
26 genes – KO-cluster-189-standardized



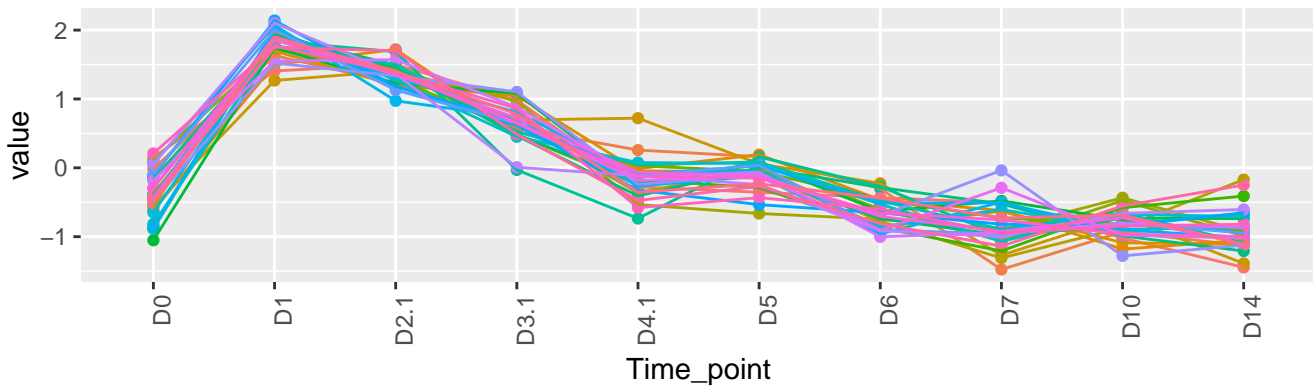
30 genes – WT-cluster-188-standardized



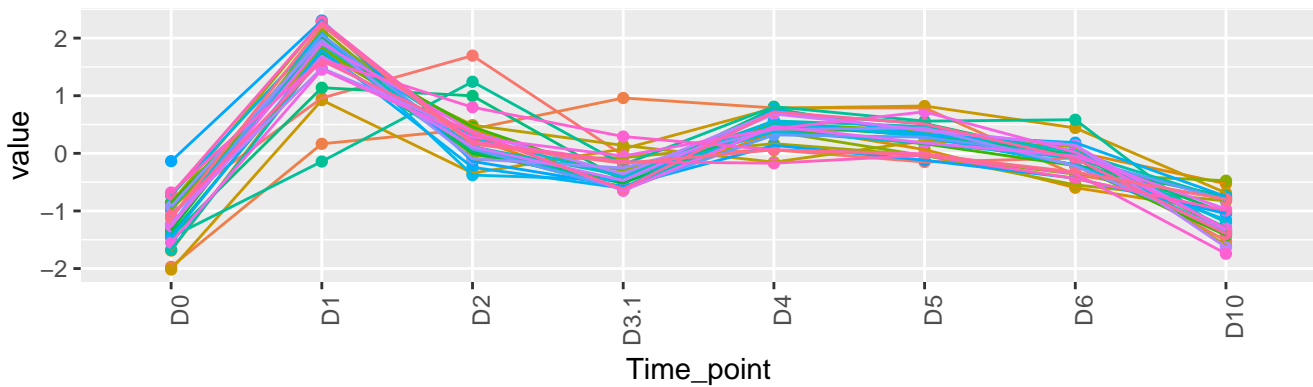
17 genes – KO-cluster-188-standardized



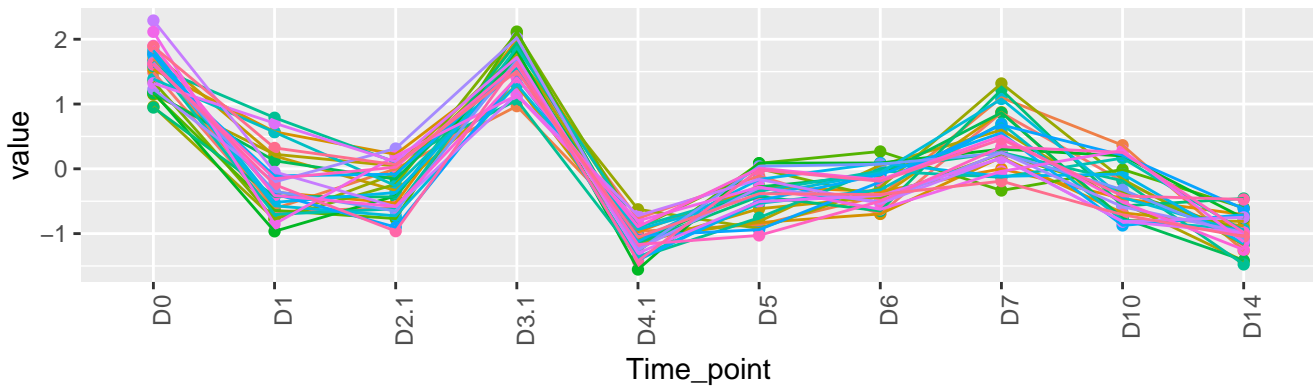
30 genes – WT-cluster-187-standardized



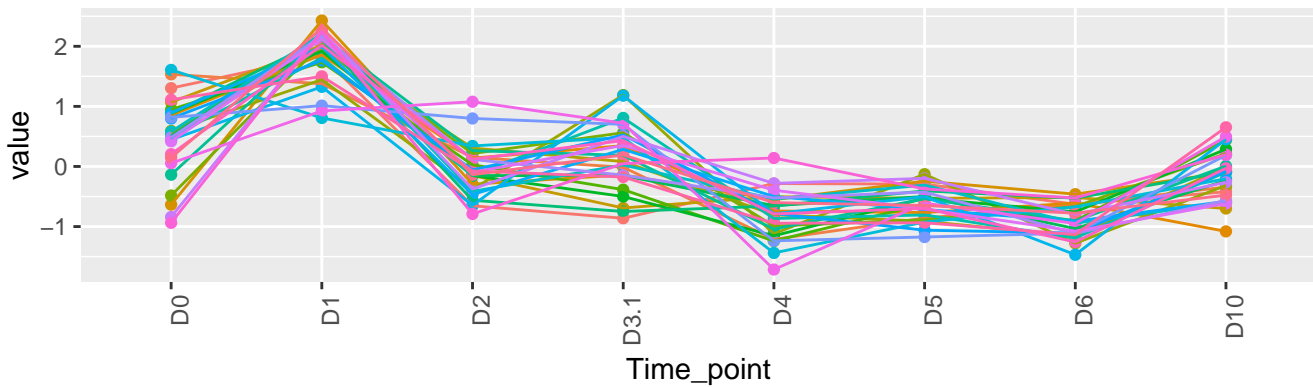
30 genes – KO-cluster-187-standardized



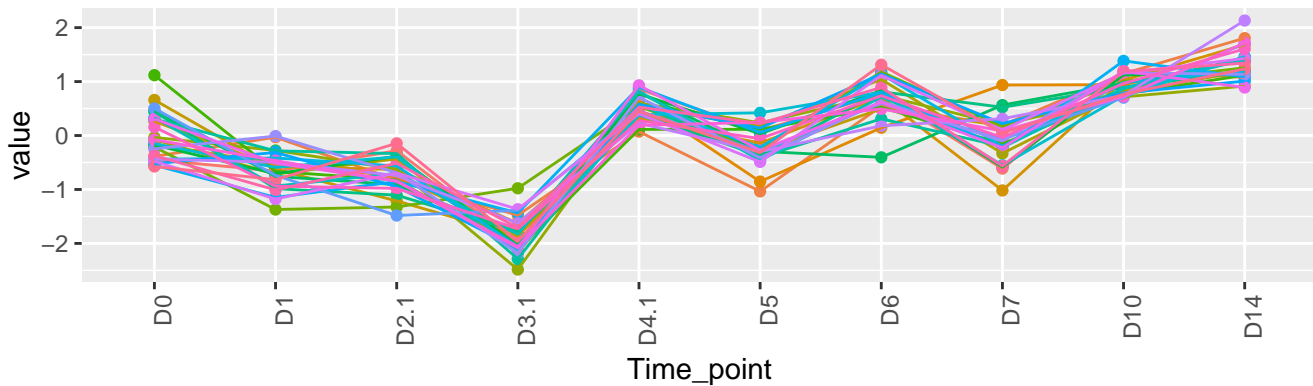
28 genes – WT-cluster-186-standardized



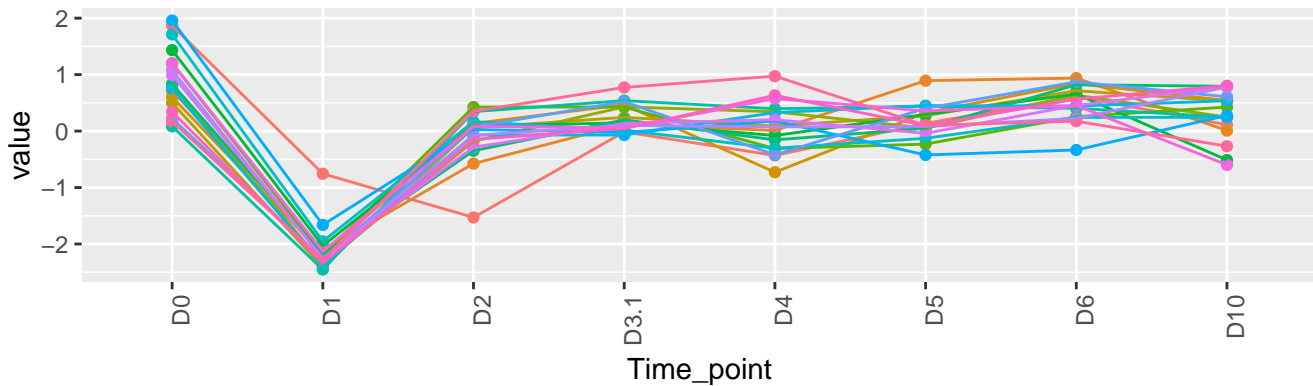
28 genes – KO-cluster-186-standardized



27 genes – WT-cluster-185-standardized

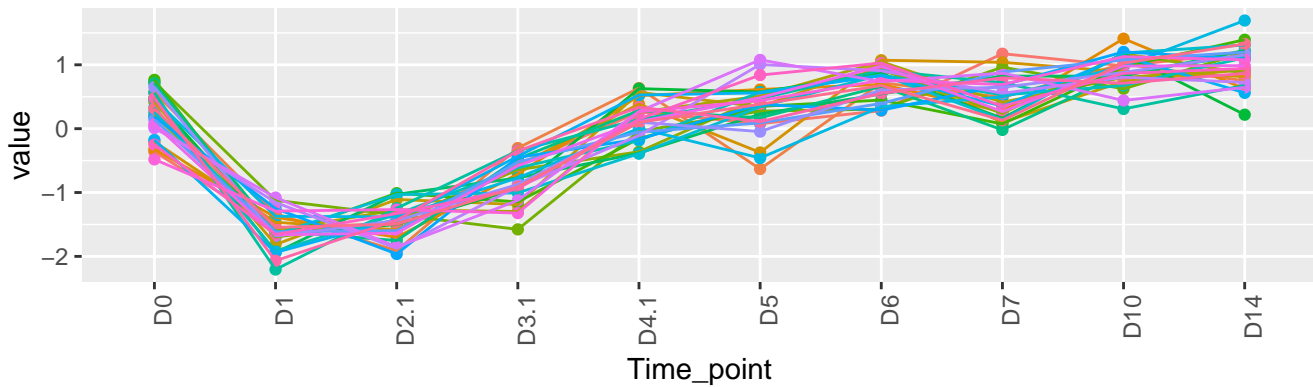


18 genes – KO-cluster-185-standardized

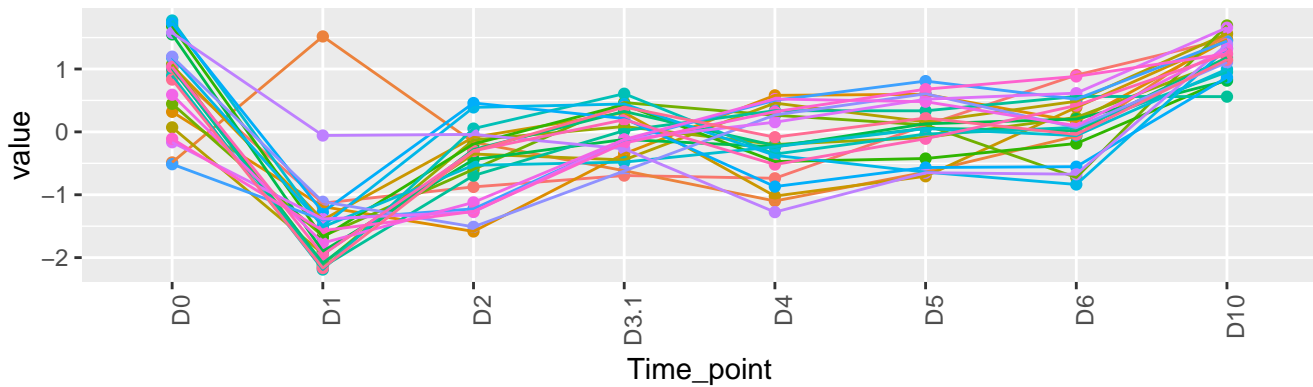




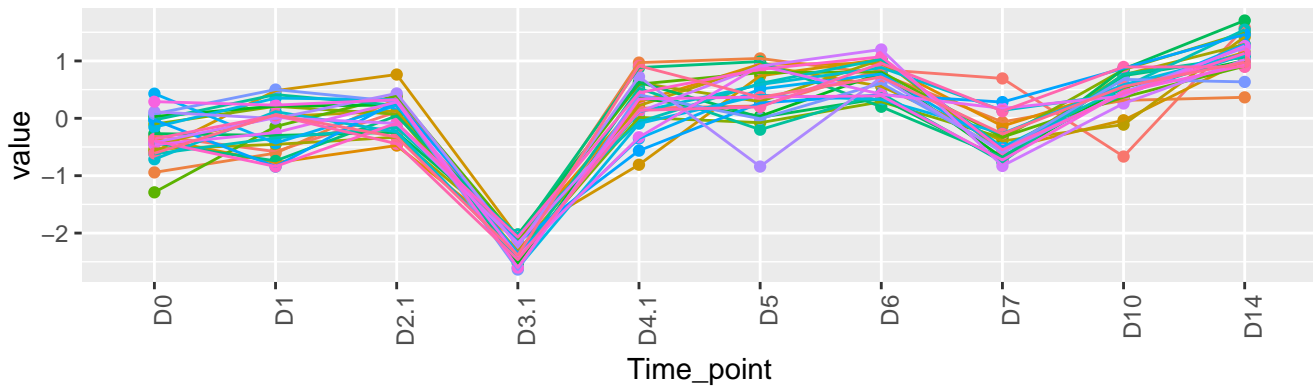
27 genes – WT-cluster-184-standardized



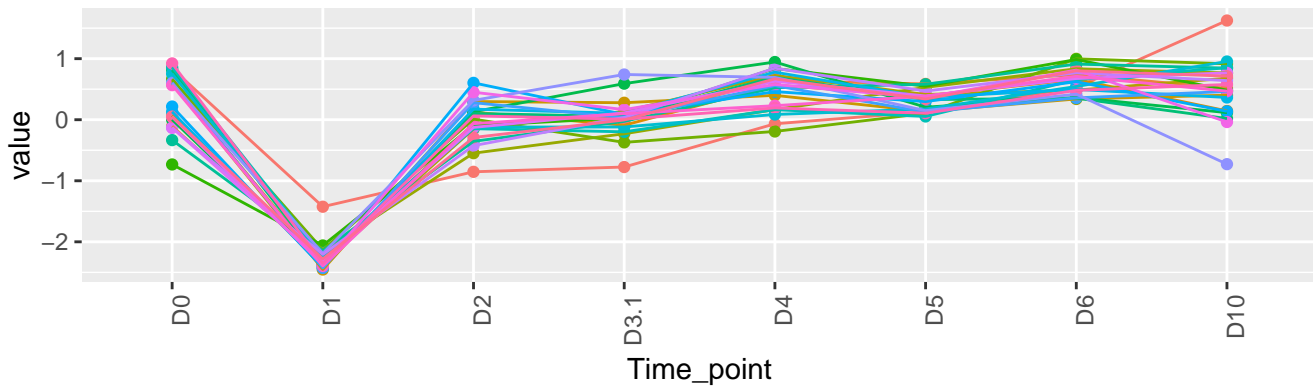
23 genes – KO-cluster-184-standardized



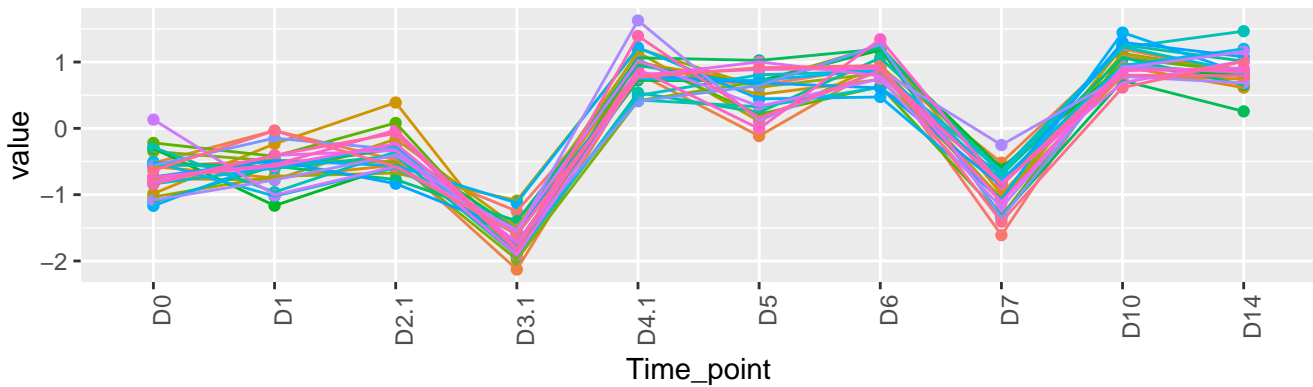
25 genes – WT-cluster-183-standardized



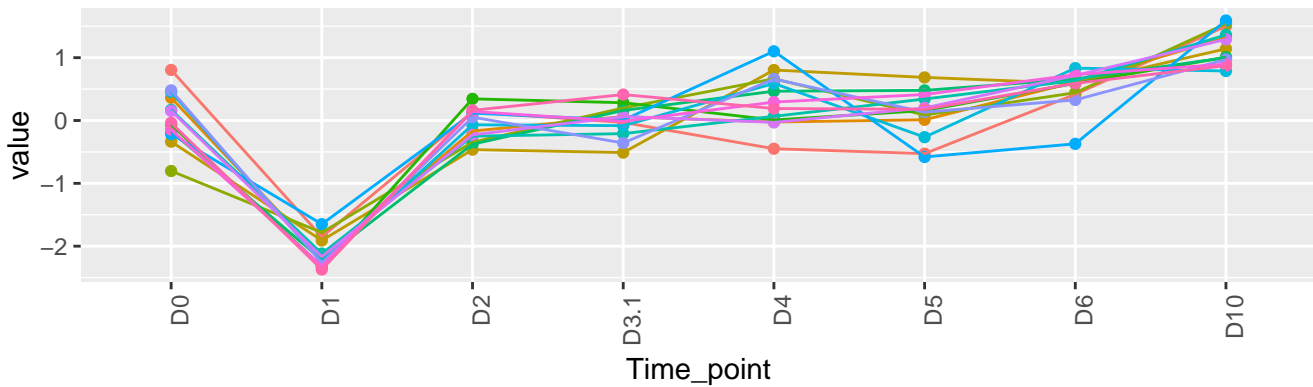
23 genes – KO-cluster-183-standardized



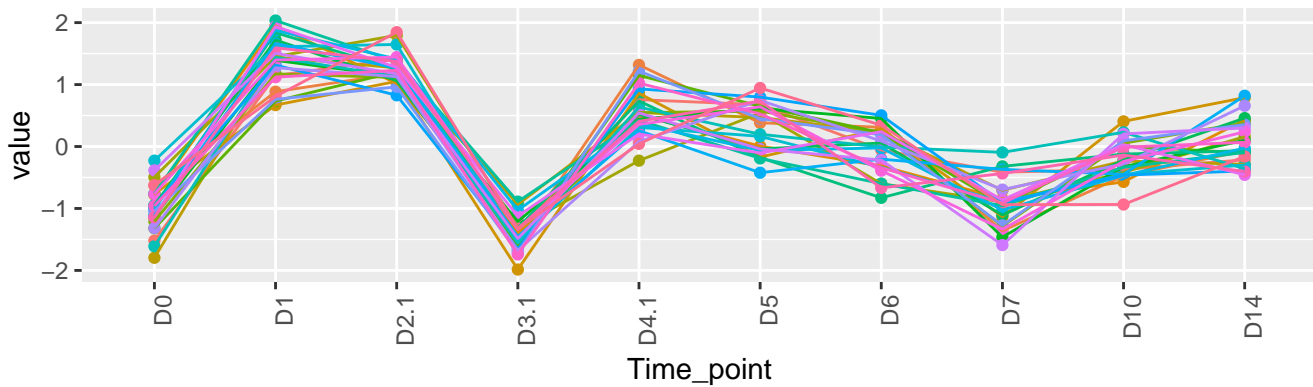
25 genes – WT-cluster-182-standardized



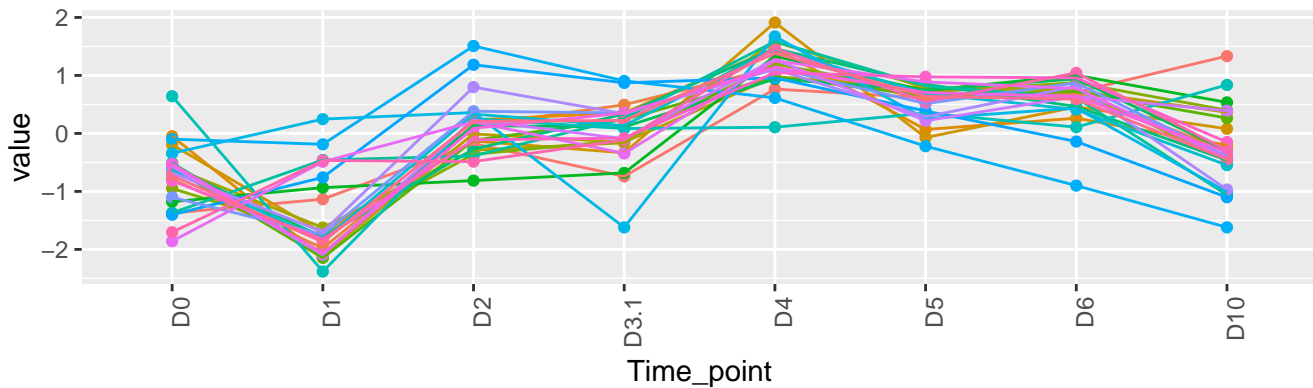
13 genes – KO-cluster-182-standardized



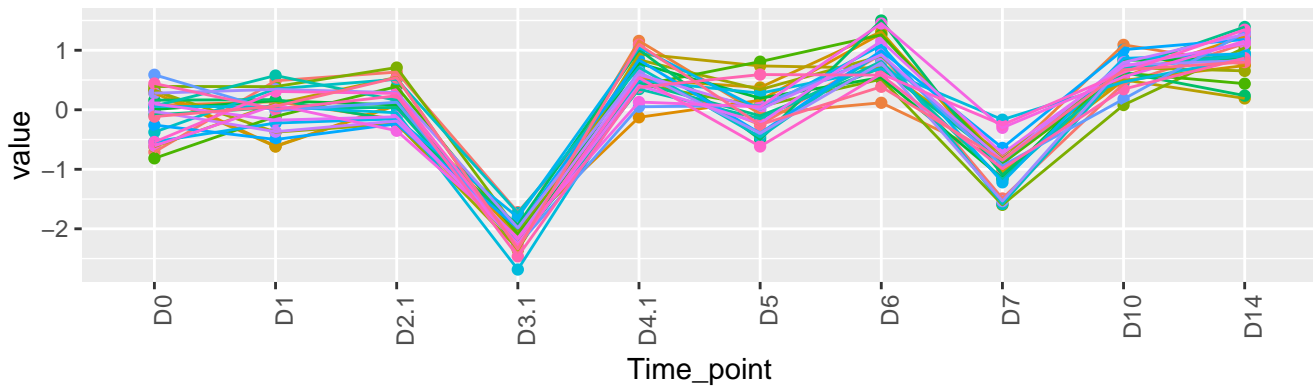
25 genes – WT-cluster-181-standardized



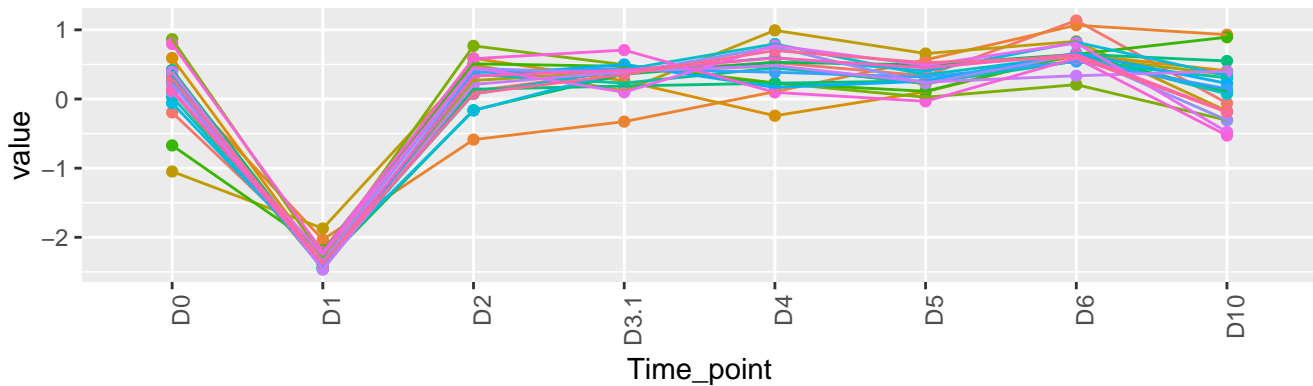
25 genes – KO-cluster-181-standardized



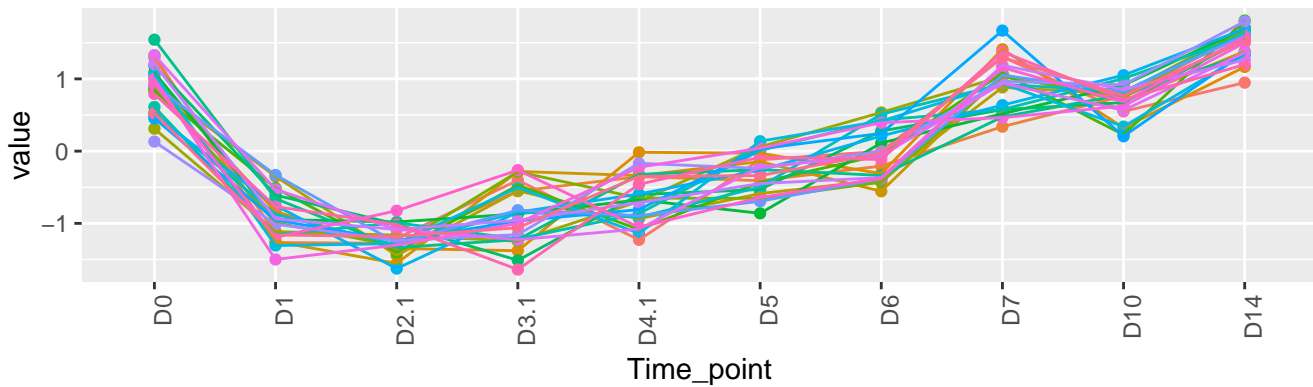
24 genes – WT-cluster-180-standardized



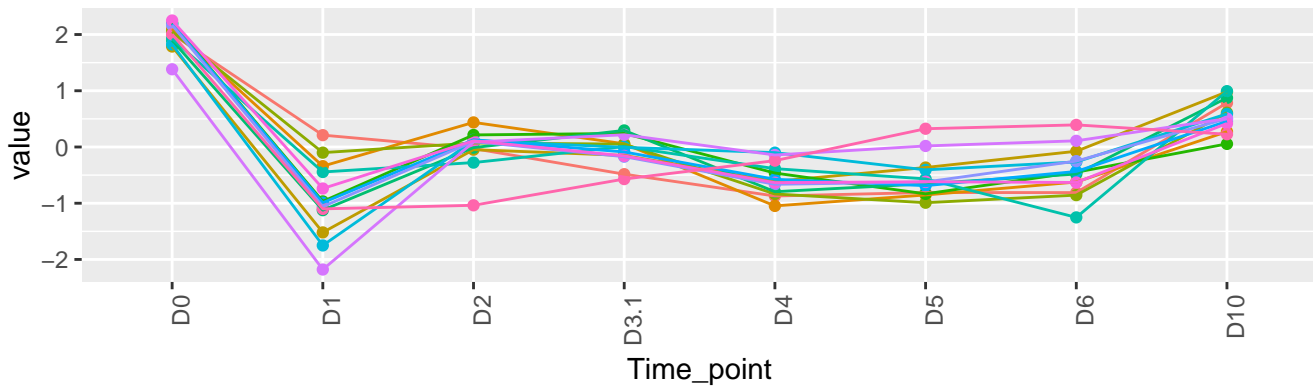
20 genes – KO-cluster-180-standardized



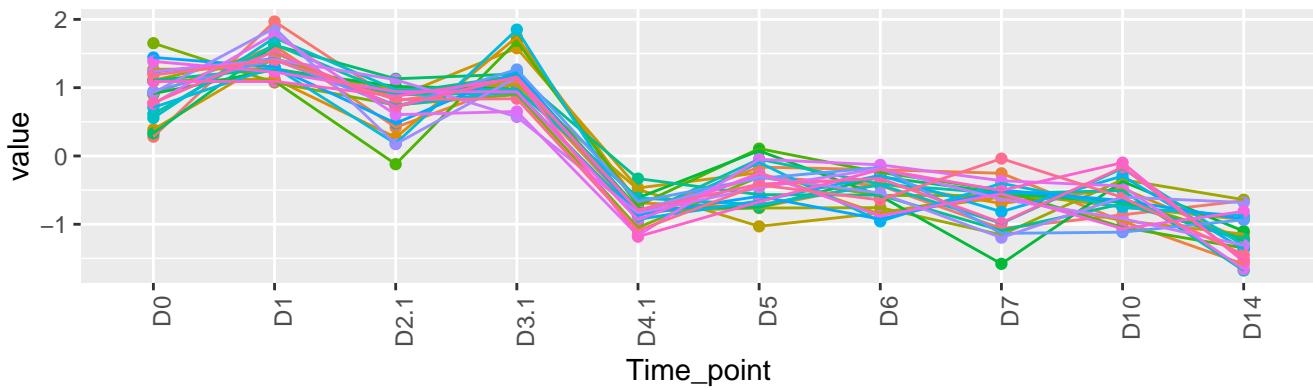
24 genes – WT-cluster-179-standardized



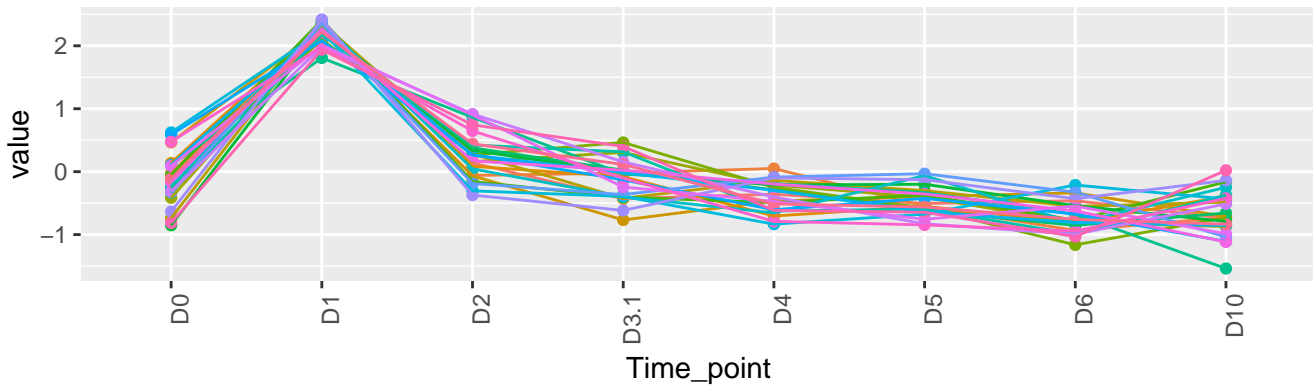
13 genes – KO-cluster-179-standardized



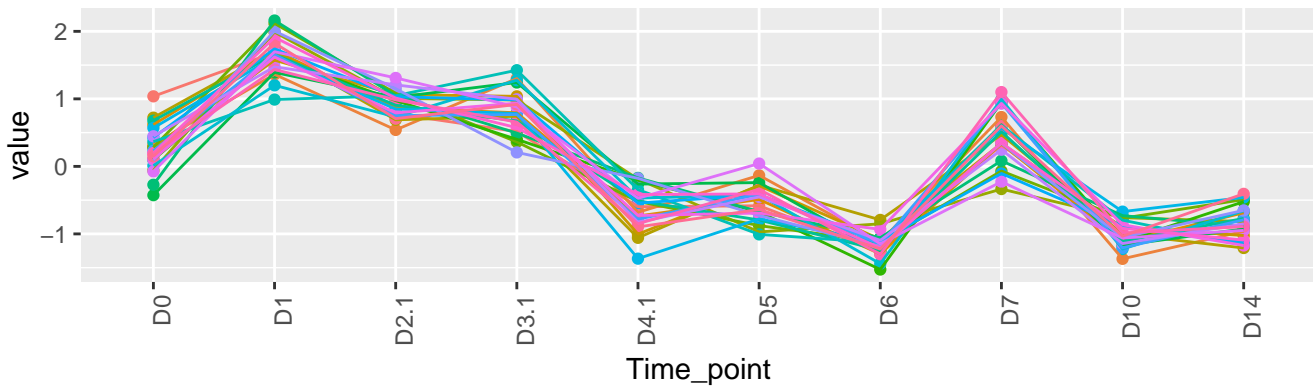
24 genes – WT-cluster-178-standardized



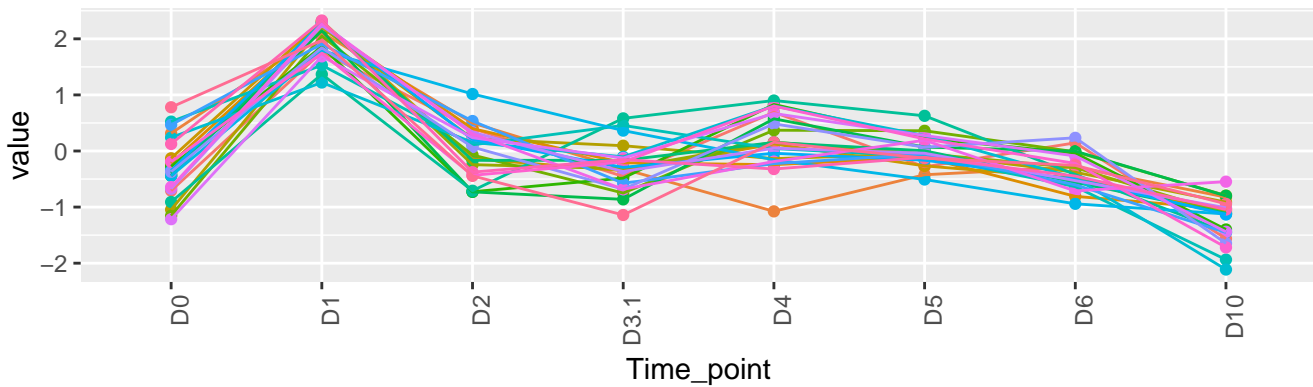
24 genes – KO-cluster-178-standardized



23 genes – WT-cluster-177-standardized

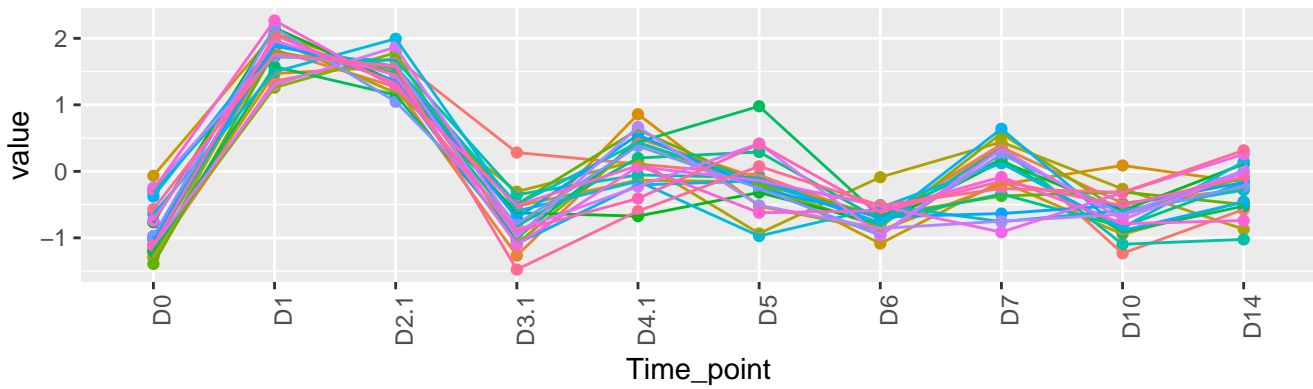


23 genes – KO-cluster-177-standardized

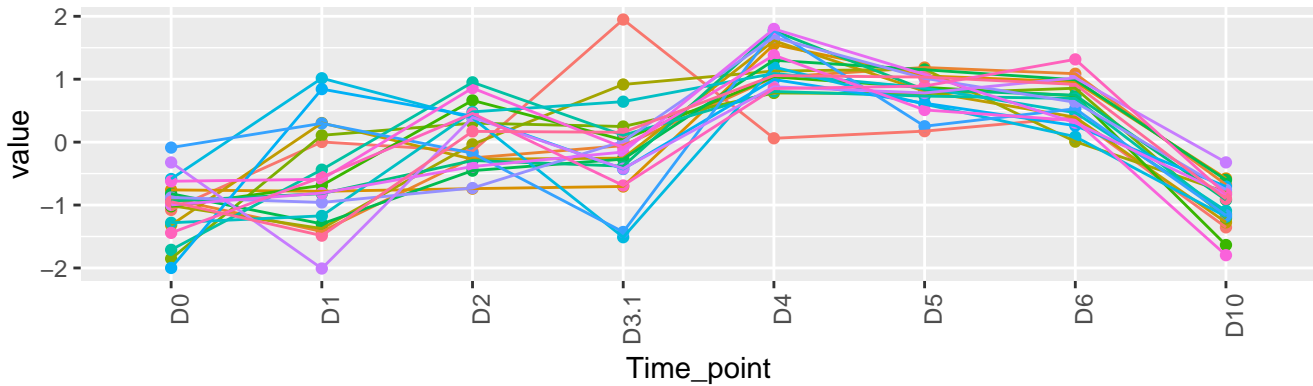




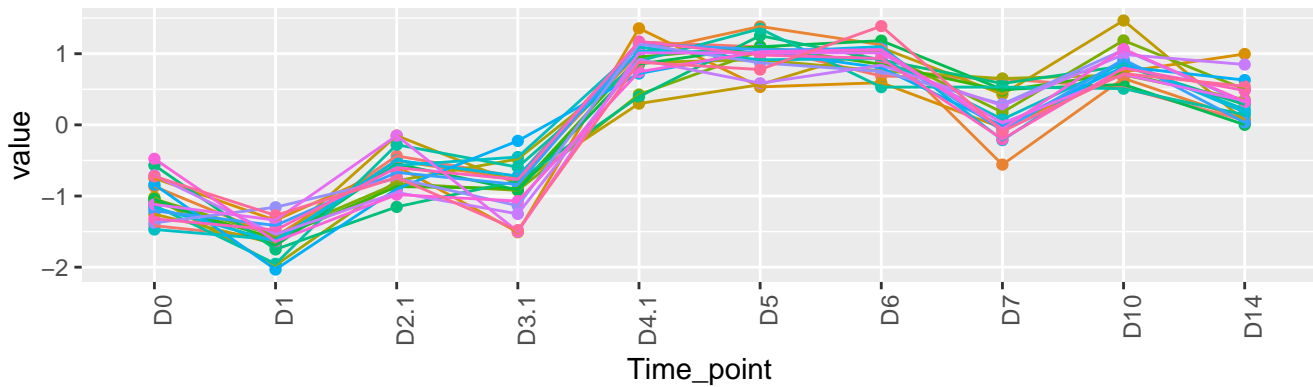
22 genes – WT-cluster-176-standardized



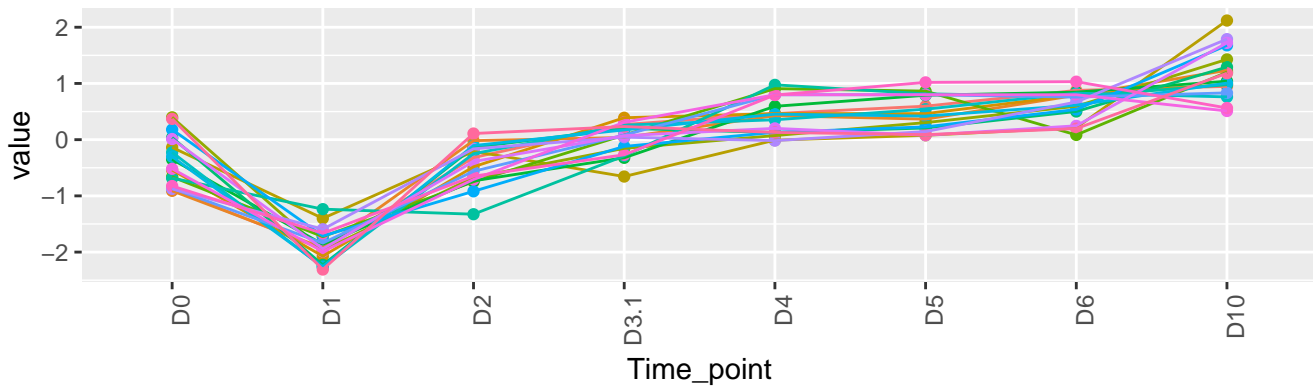
20 genes – KO-cluster-176-standardized



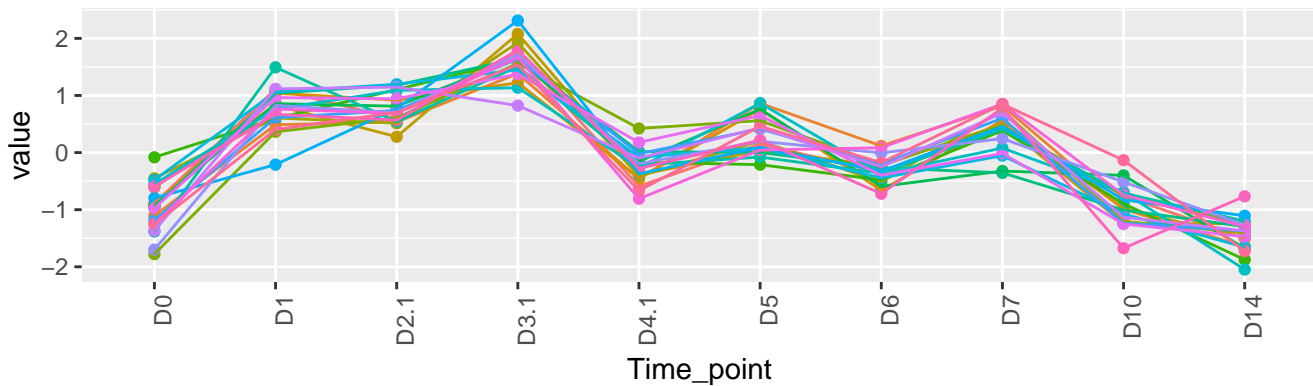
20 genes – WT-cluster-175-standardized



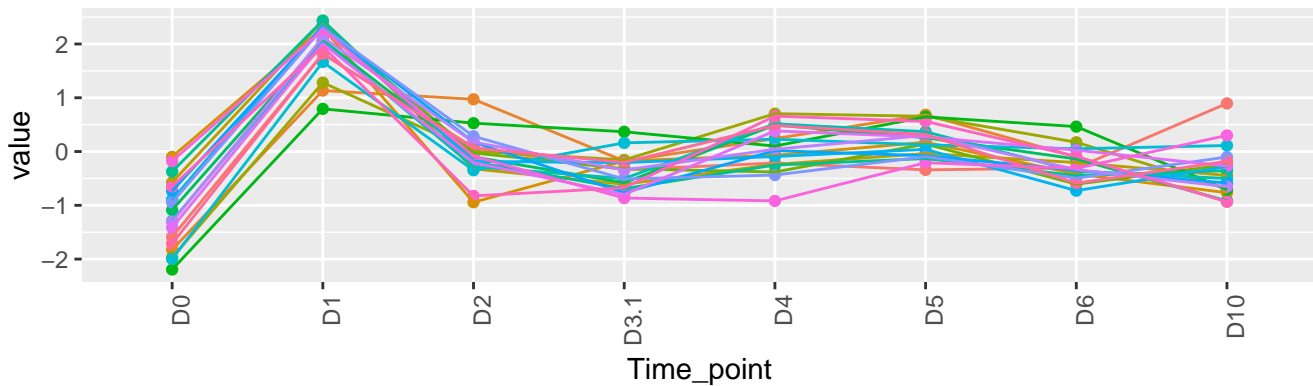
18 genes – KO-cluster-175-standardized



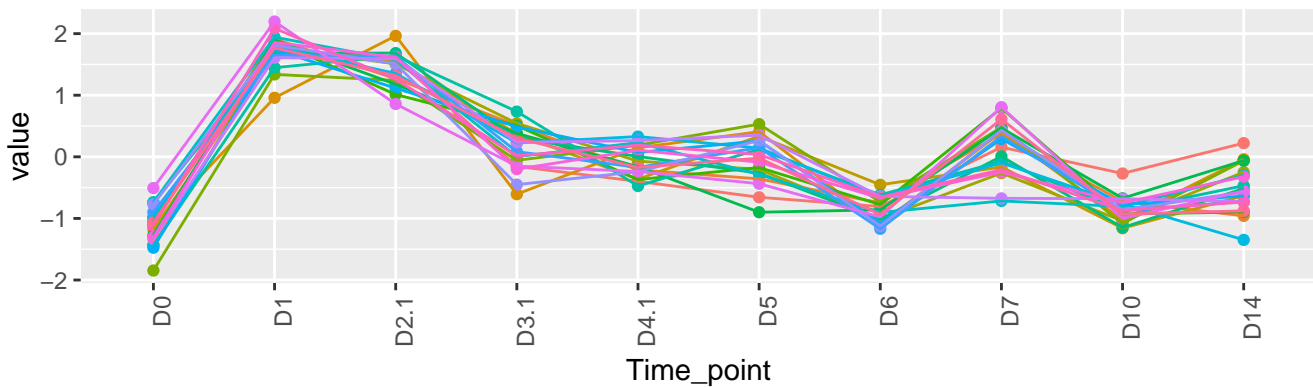
20 genes – WT-cluster-174-standardized



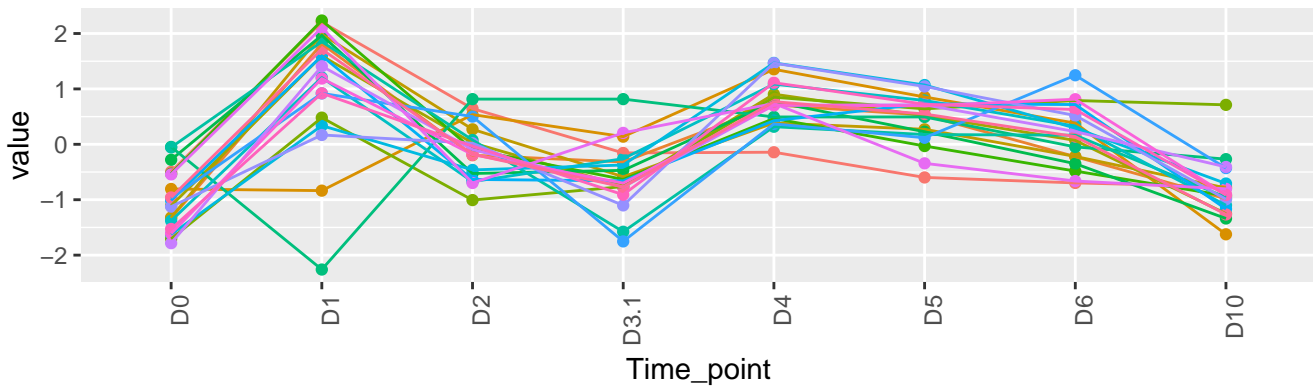
19 genes – KO-cluster-174-standardized



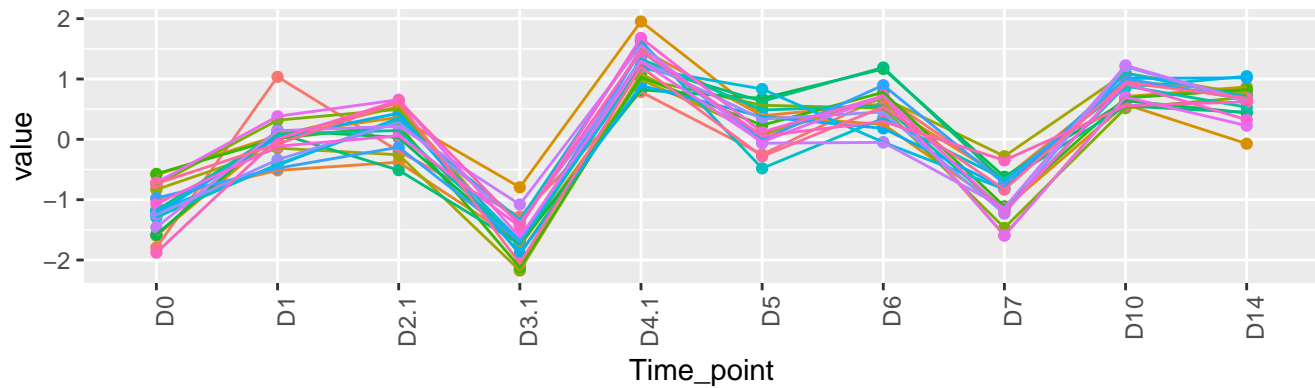
20 genes – WT-cluster-173-standardized



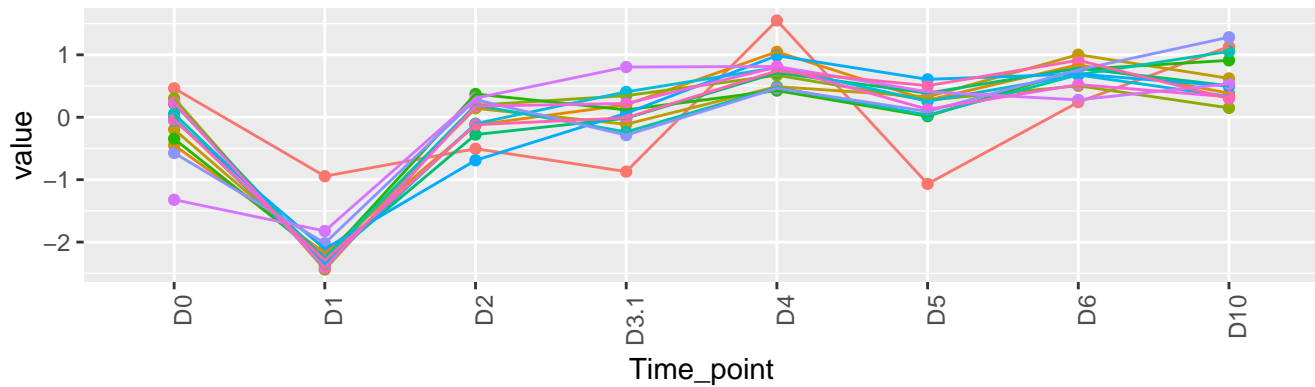
20 genes – KO-cluster-173-standardized



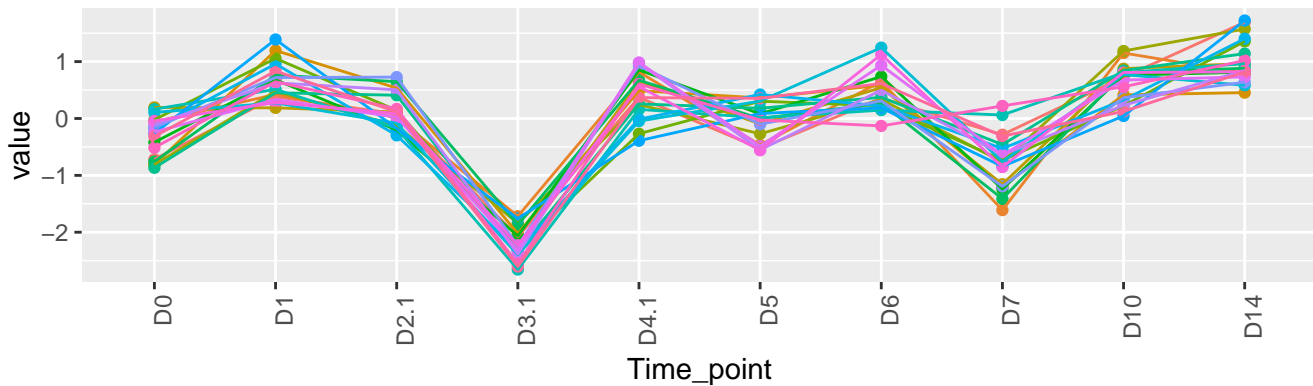
20 genes – WT-cluster-172-standardized



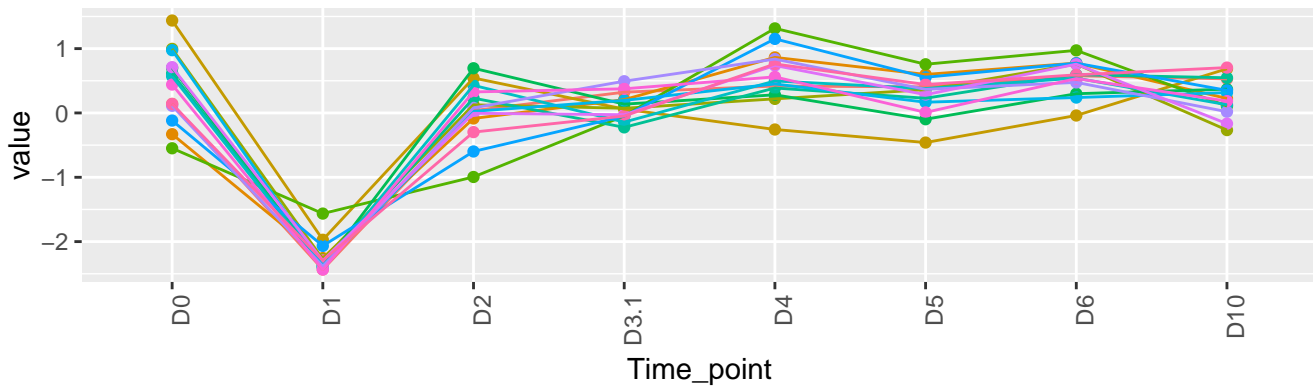
13 genes – KO-cluster-172-standardized



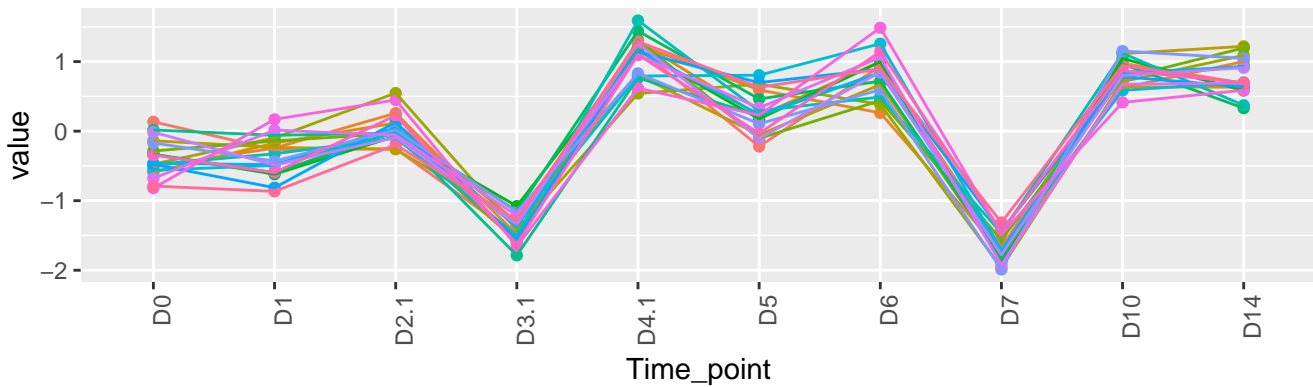
19 genes – WT-cluster-171-standardized



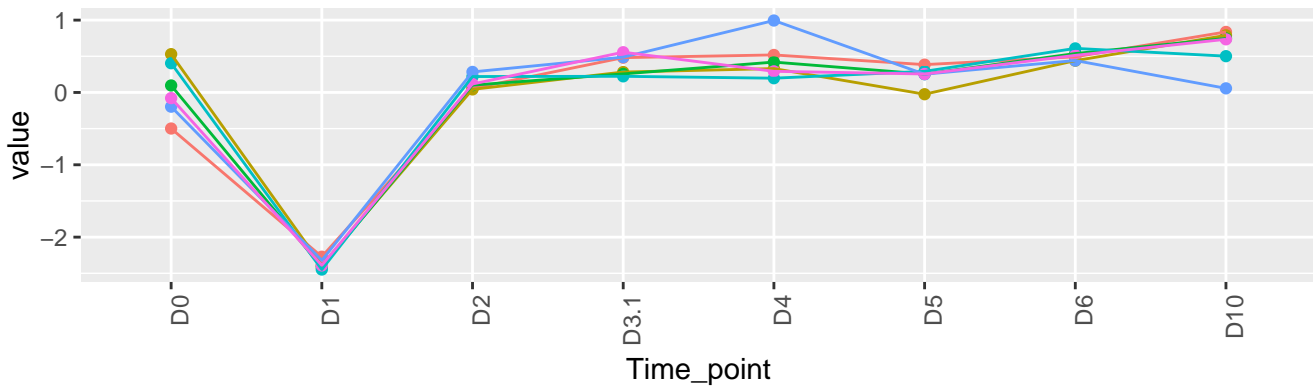
14 genes – KO-cluster-171-standardized



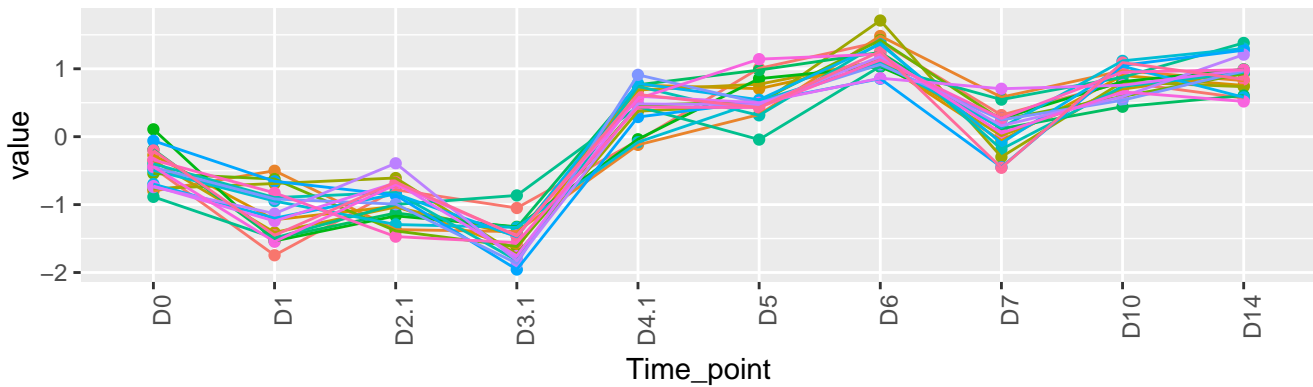
19 genes – WT-cluster-170-standardized



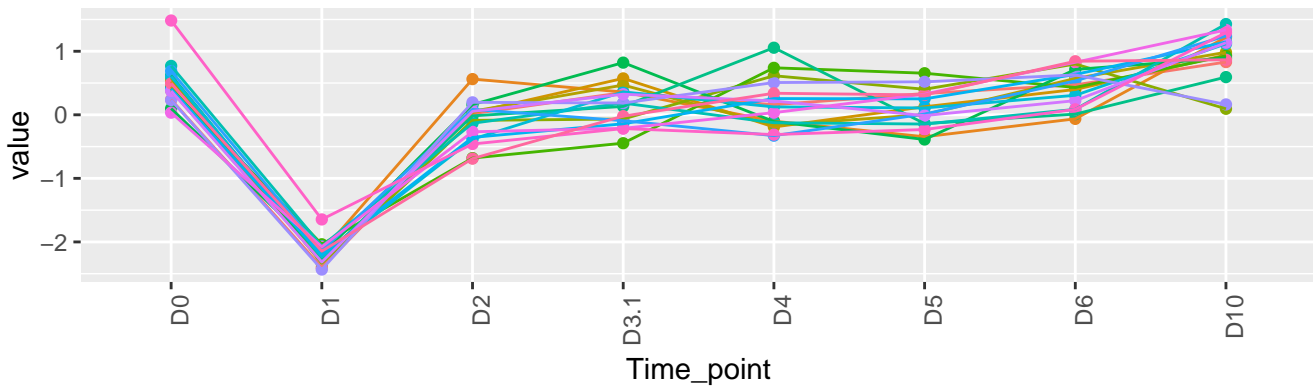
6 genes – KO-cluster-170-standardized



19 genes – WT-cluster-169-standardized

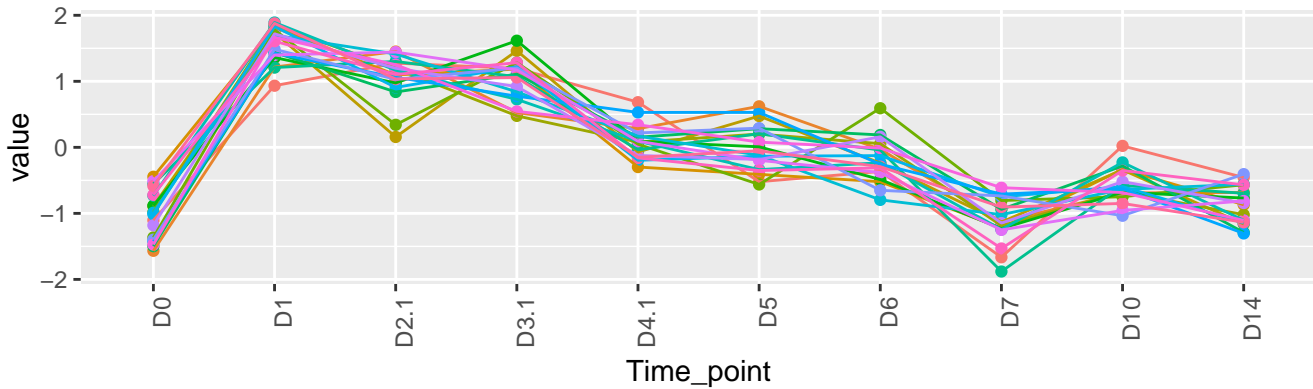


17 genes – KO-cluster-169-standardized

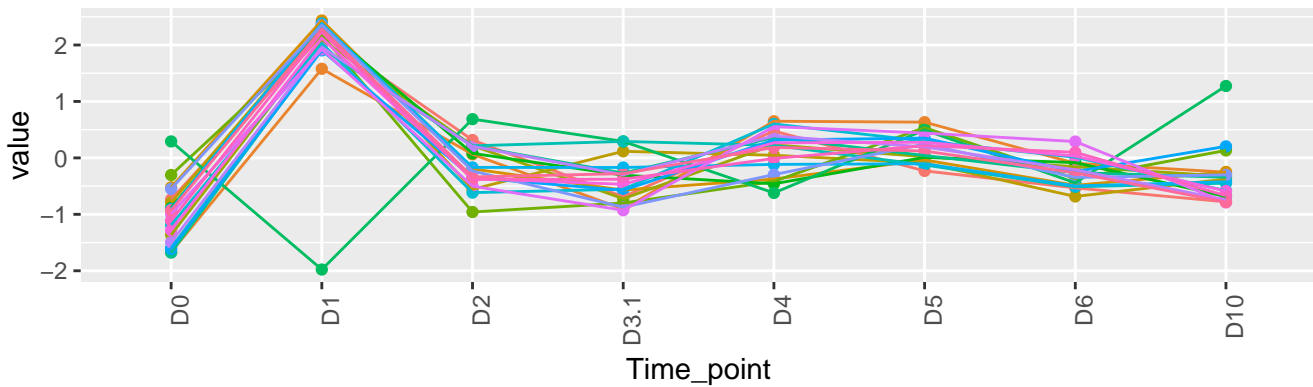




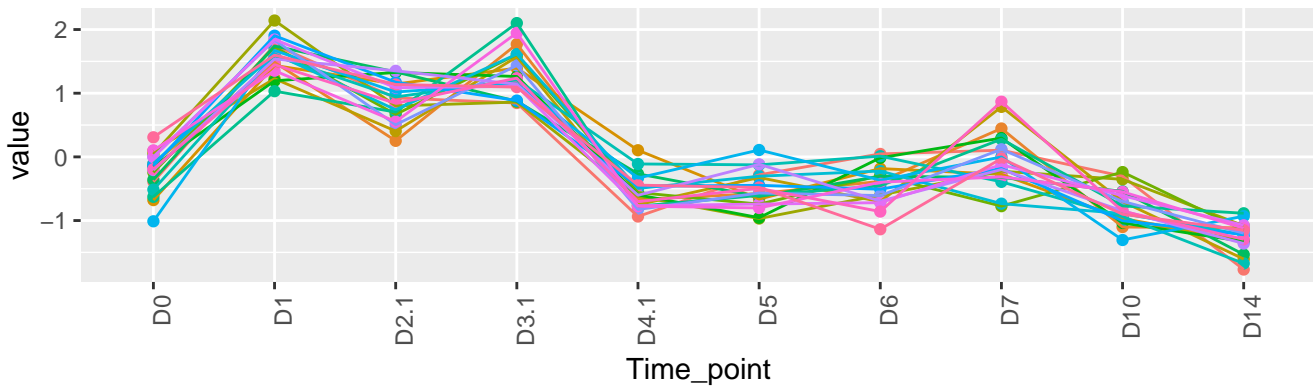
19 genes – WT-cluster-168-standardized



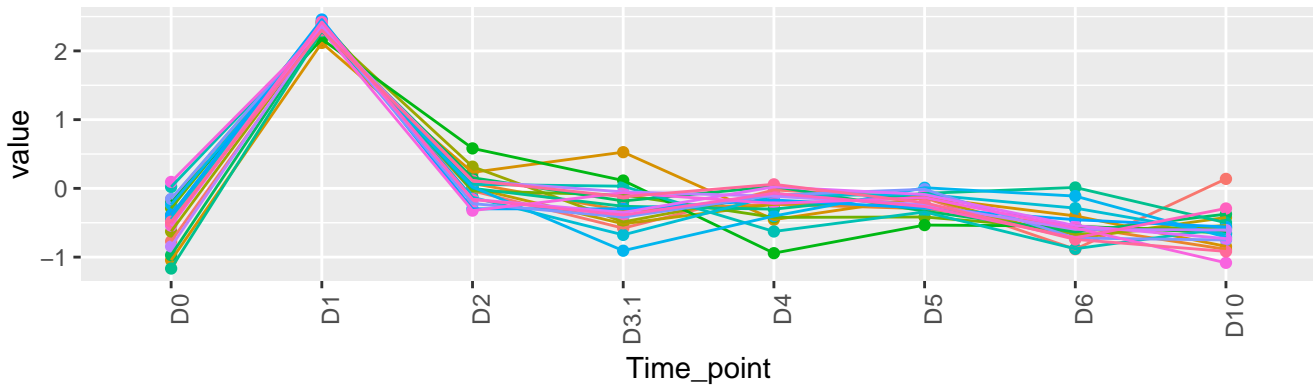
19 genes – KO-cluster-168-standardized



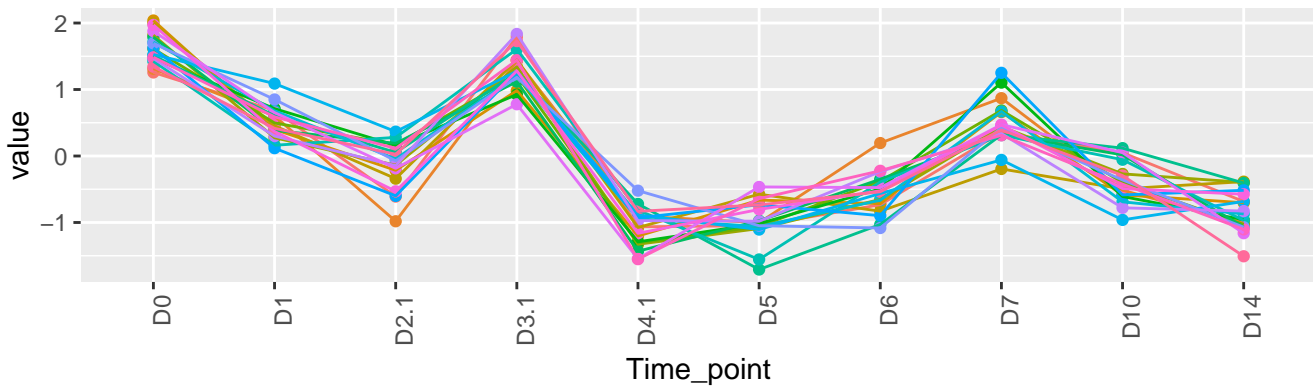
19 genes – WT-cluster-167-standardized



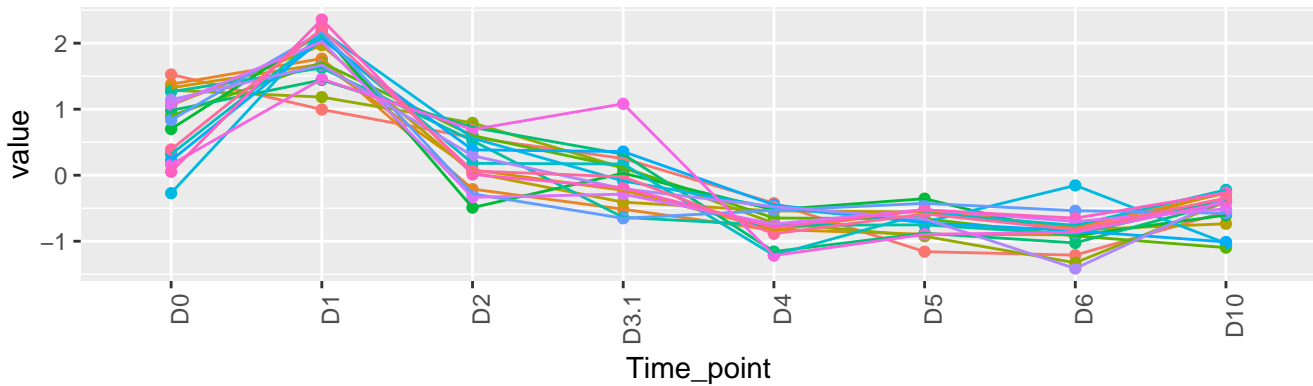
19 genes – KO-cluster-167-standardized



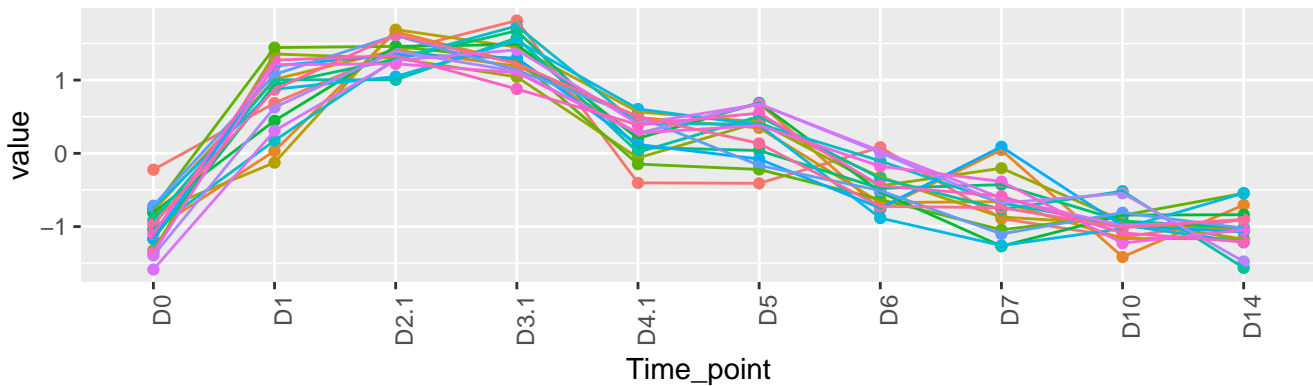
19 genes – WT-cluster-166-standardized



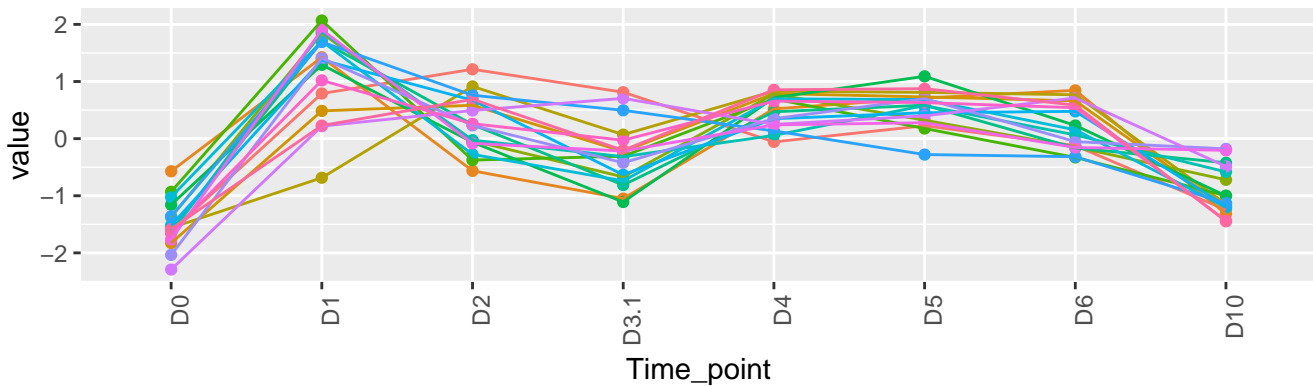
18 genes – KO-cluster-166-standardized



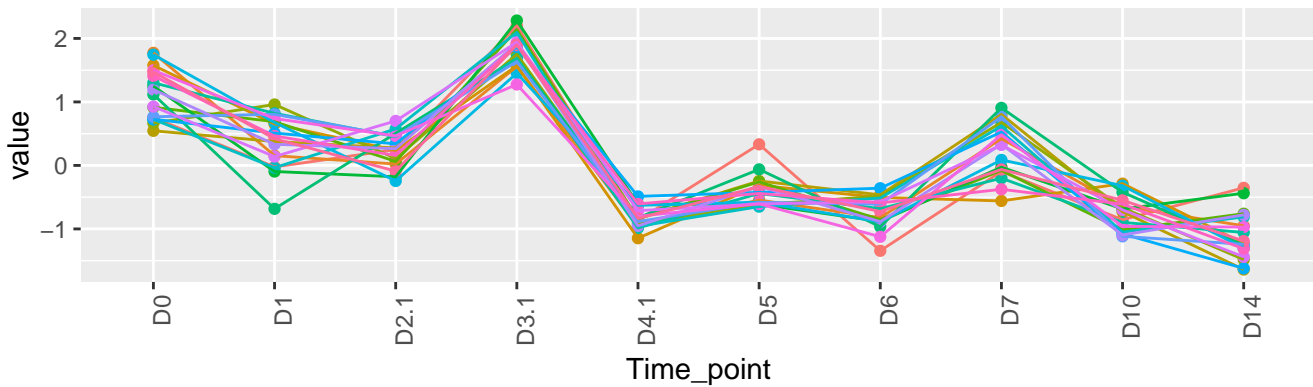
18 genes – WT-cluster-165-standardized



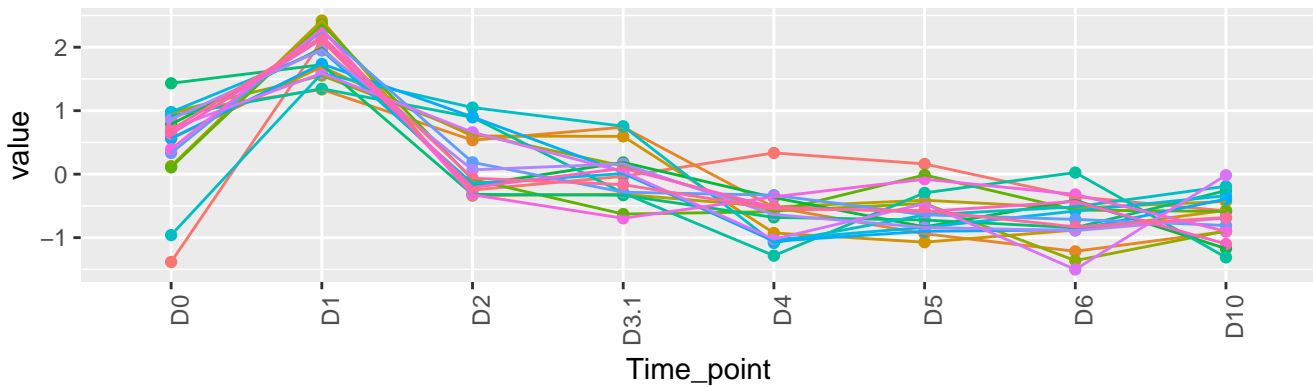
17 genes – KO-cluster-165-standardized



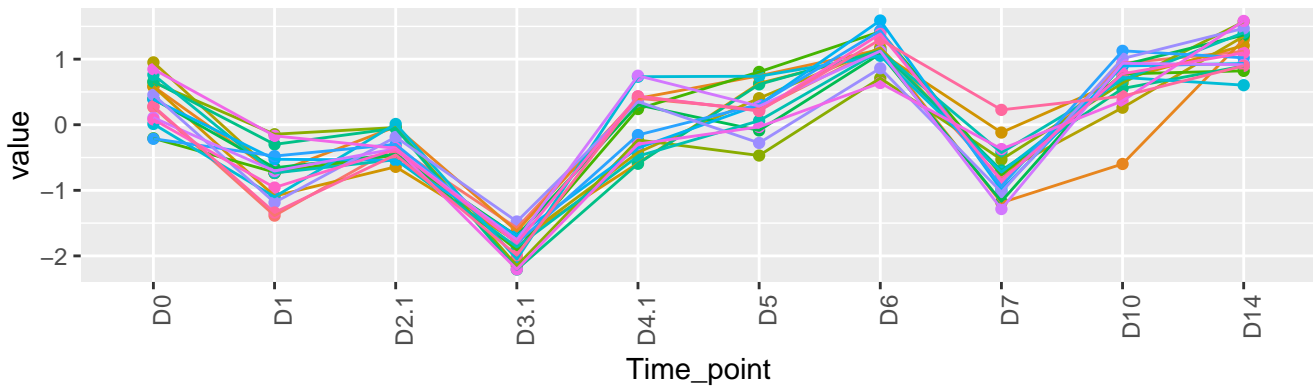
18 genes – WT-cluster-164-standardized



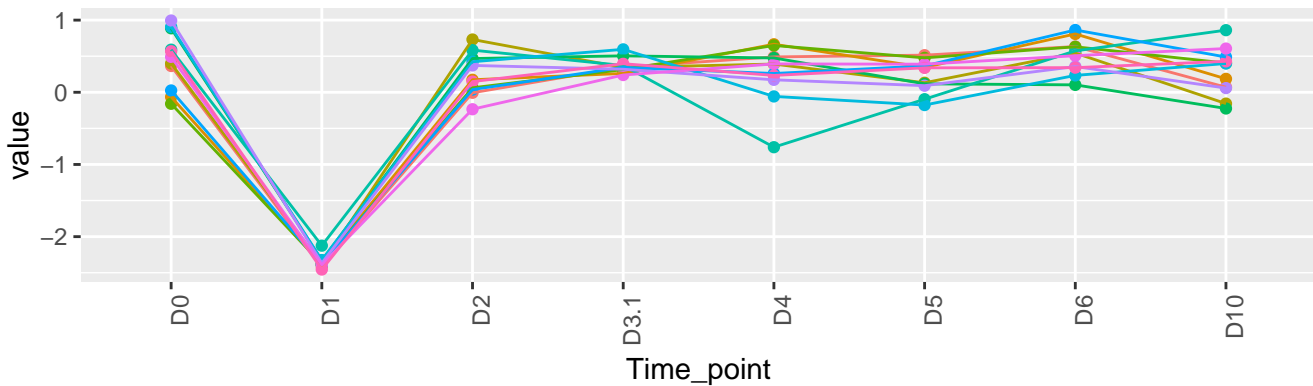
18 genes – KO-cluster-164-standardized



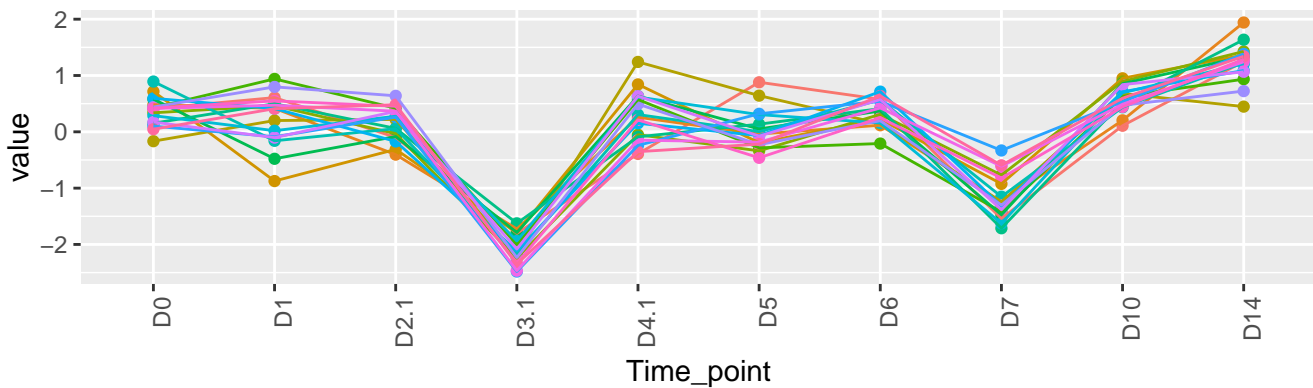
17 genes – WT-cluster-163-standardized



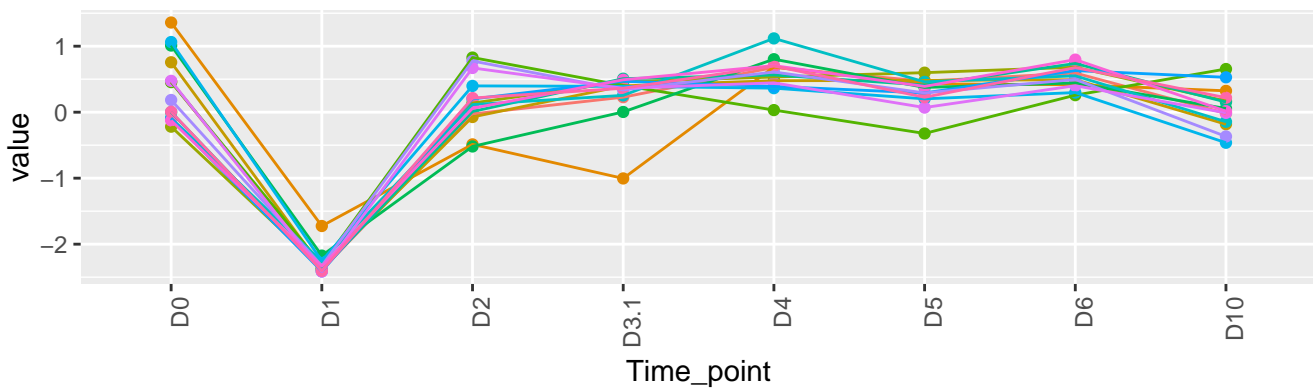
11 genes – KO-cluster-163-standardized



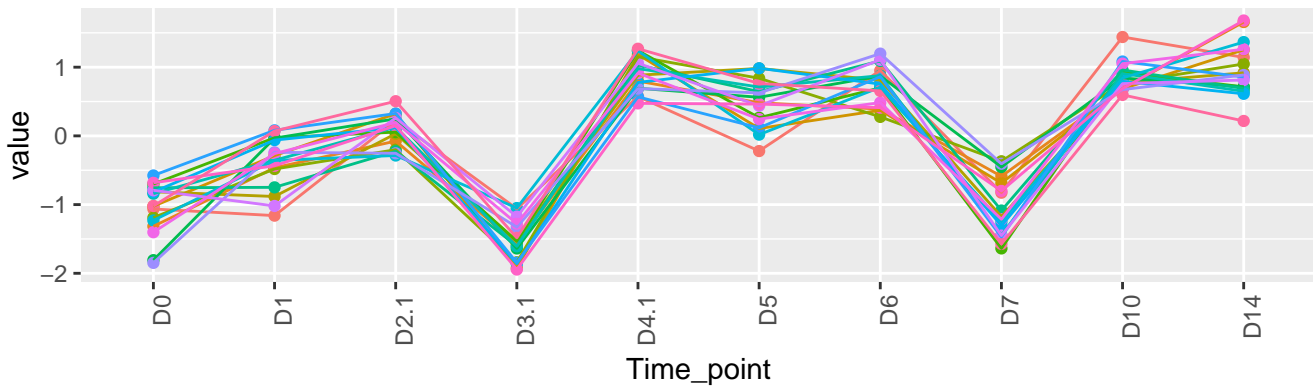
17 genes – WT-cluster-162-standardized



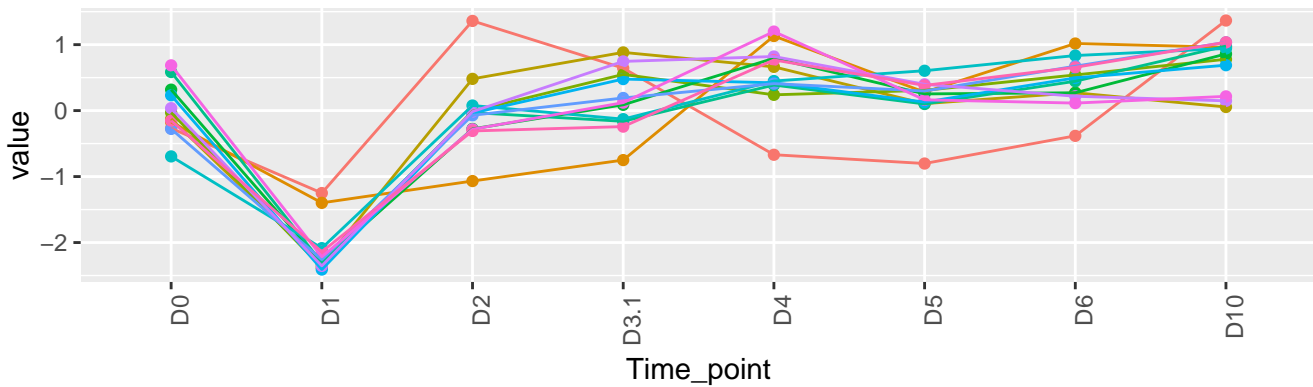
14 genes – KO-cluster-162-standardized



17 genes – WT-cluster-161-standardized

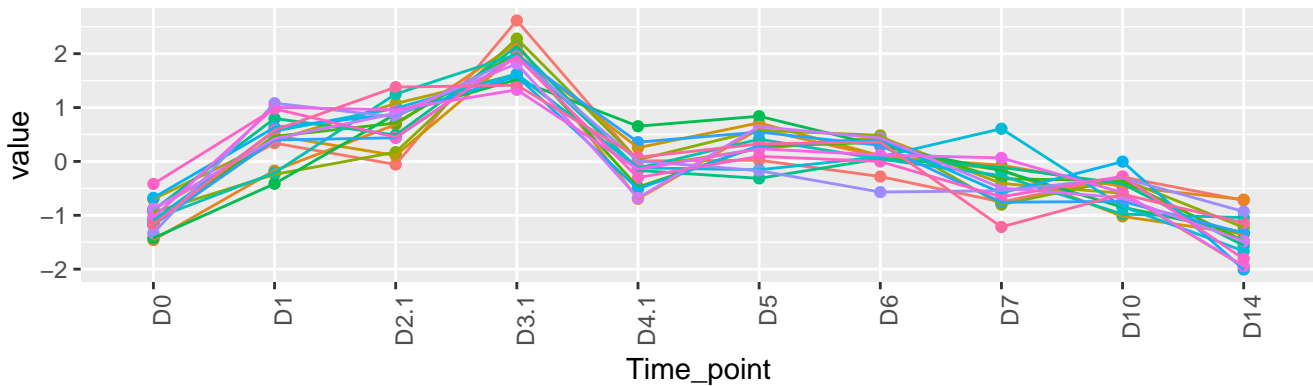


12 genes – KO-cluster-161-standardized

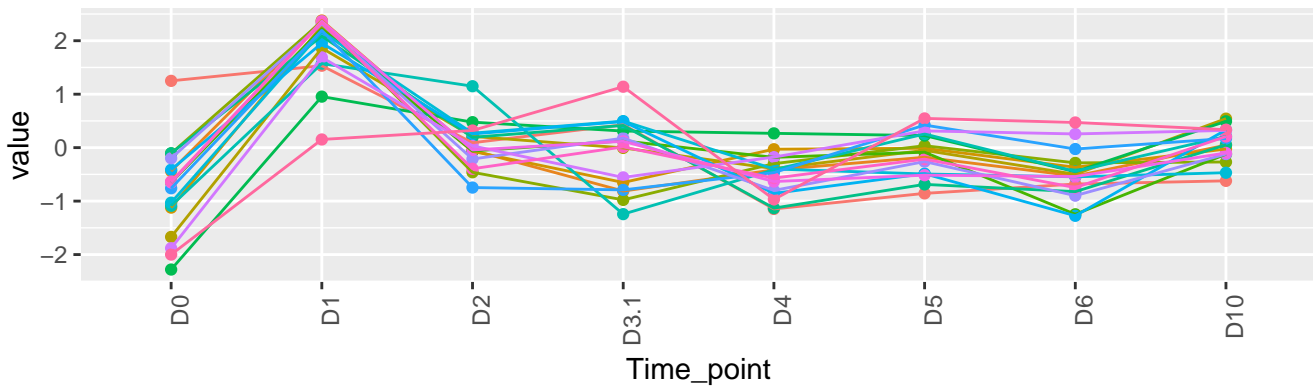




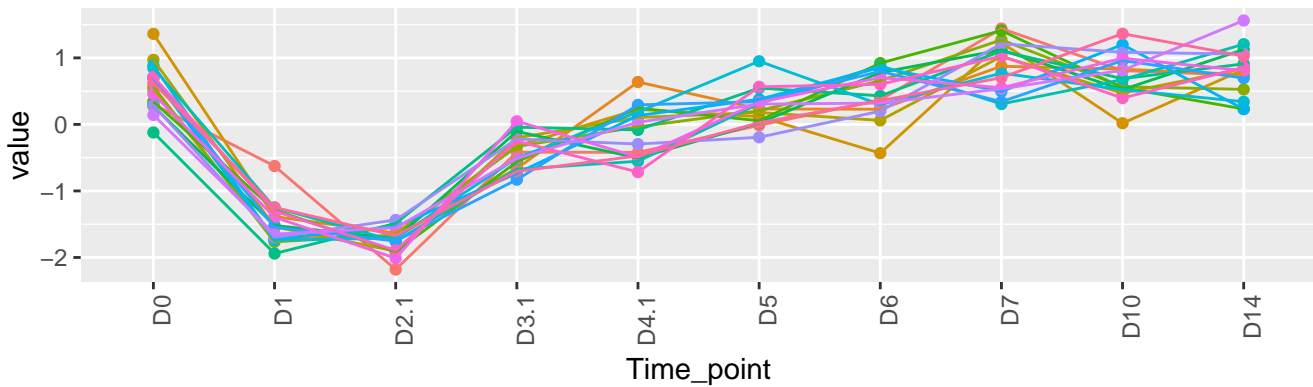
17 genes – WT-cluster-160-standardized



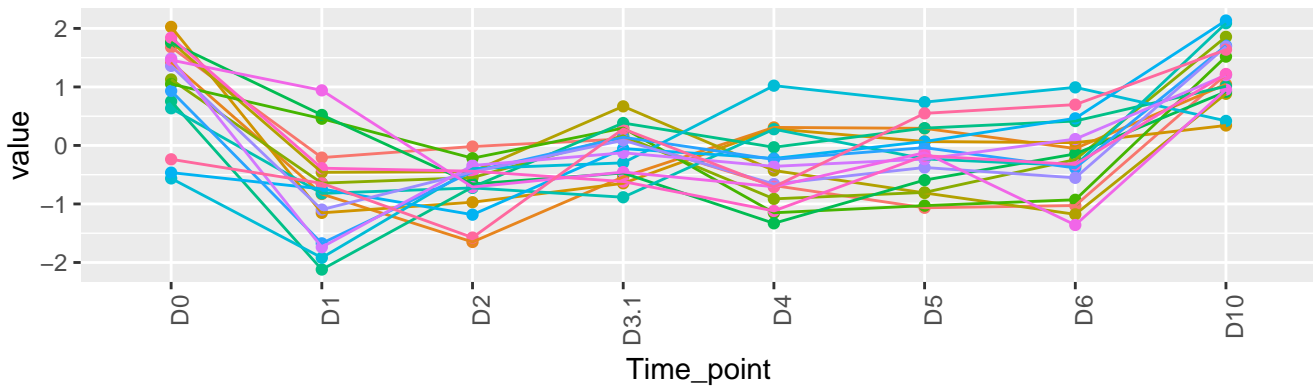
17 genes – KO-cluster-160-standardized



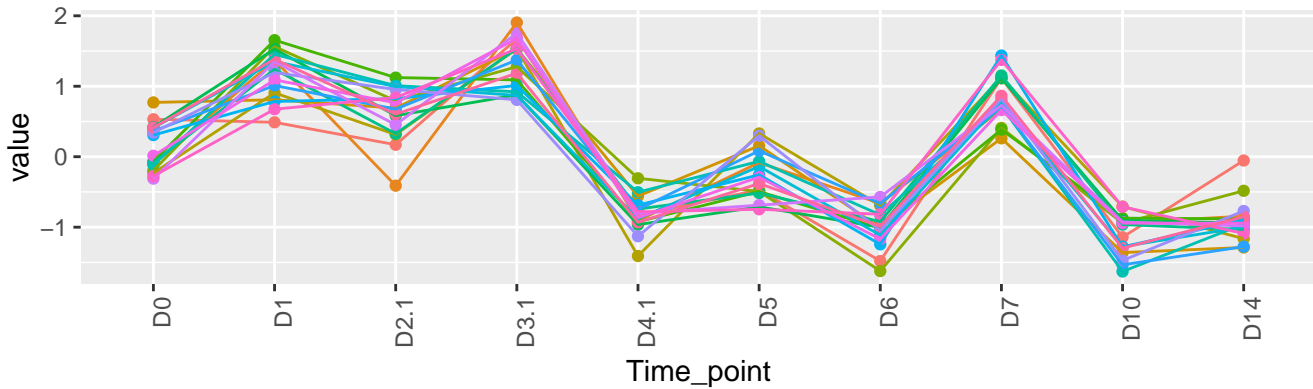
17 genes – WT-cluster-159-standardized



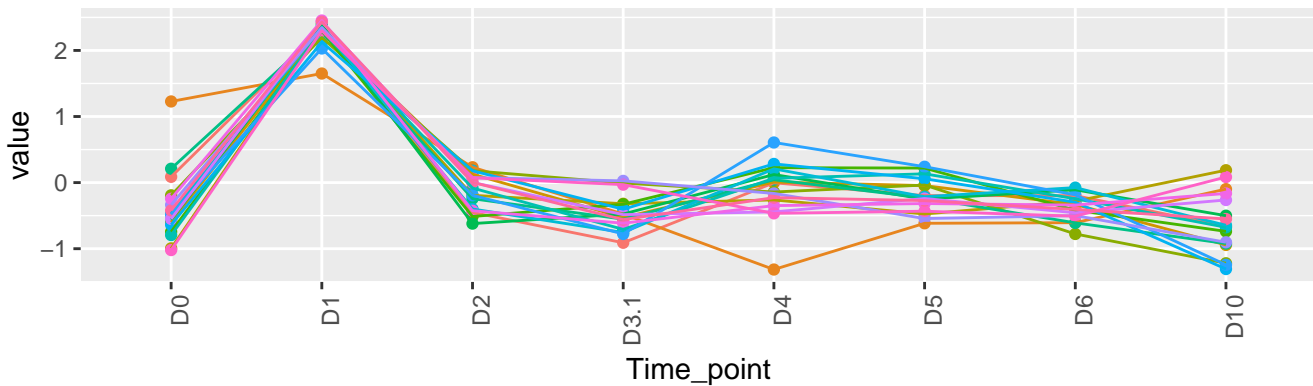
17 genes – KO-cluster-159-standardized



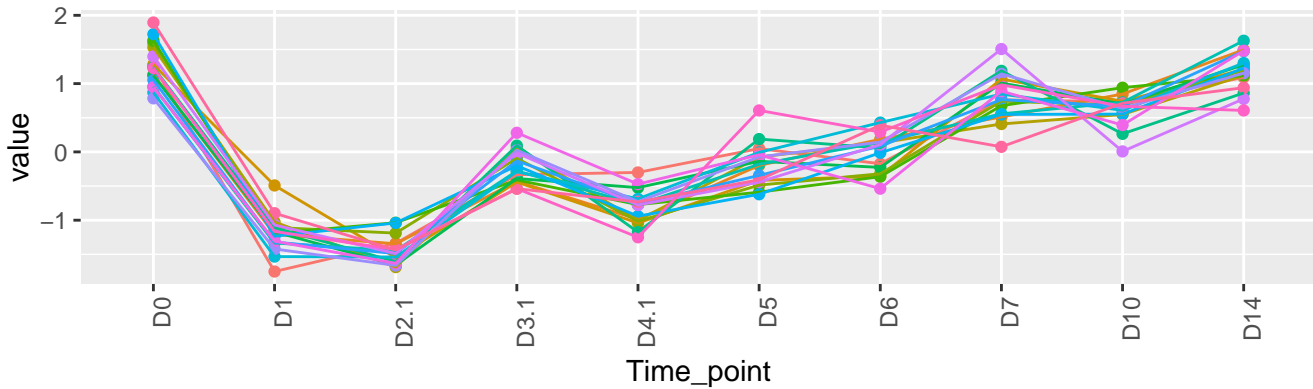
17 genes – WT-cluster-158-standardized



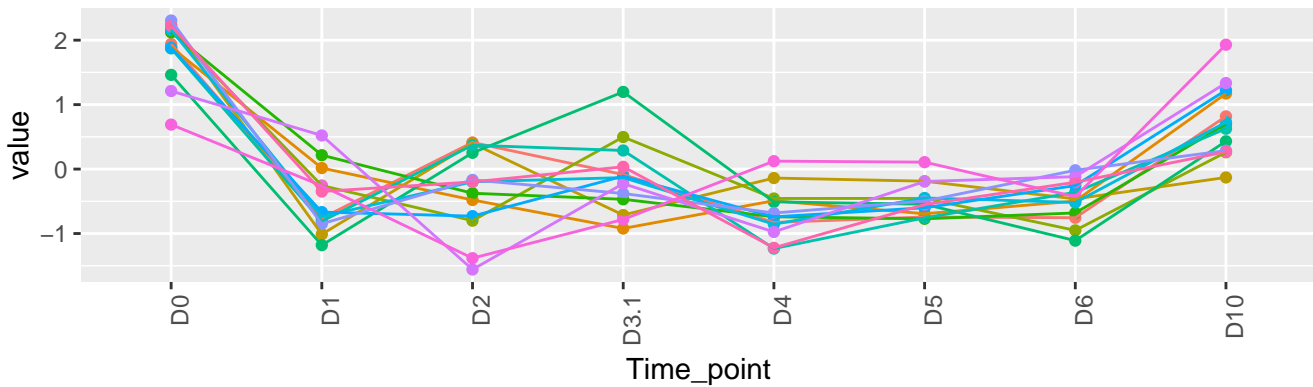
17 genes – KO-cluster-158-standardized



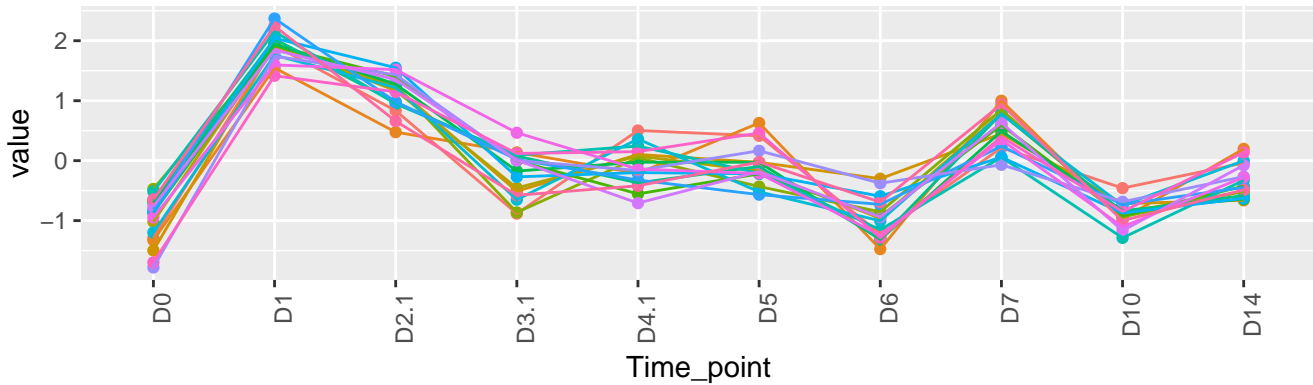
17 genes – WT-cluster-157-standardized



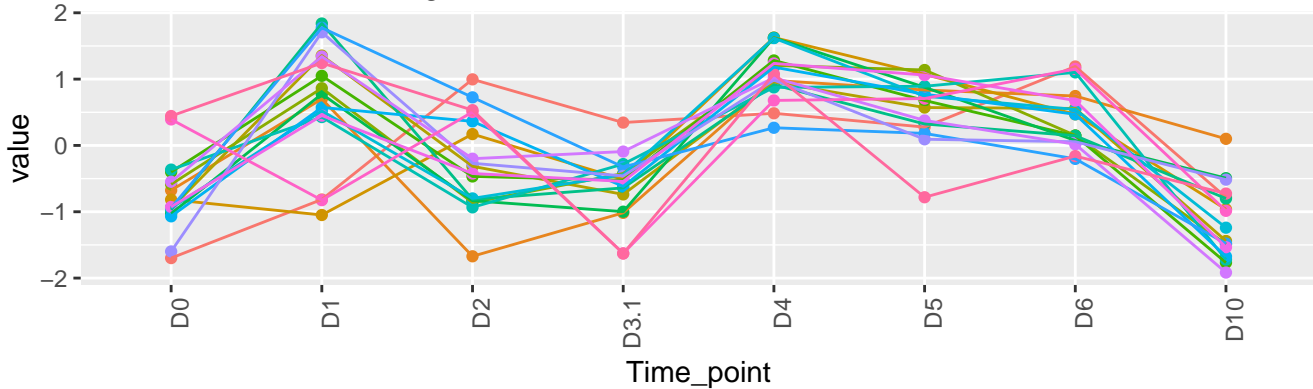
13 genes – KO-cluster-157-standardized



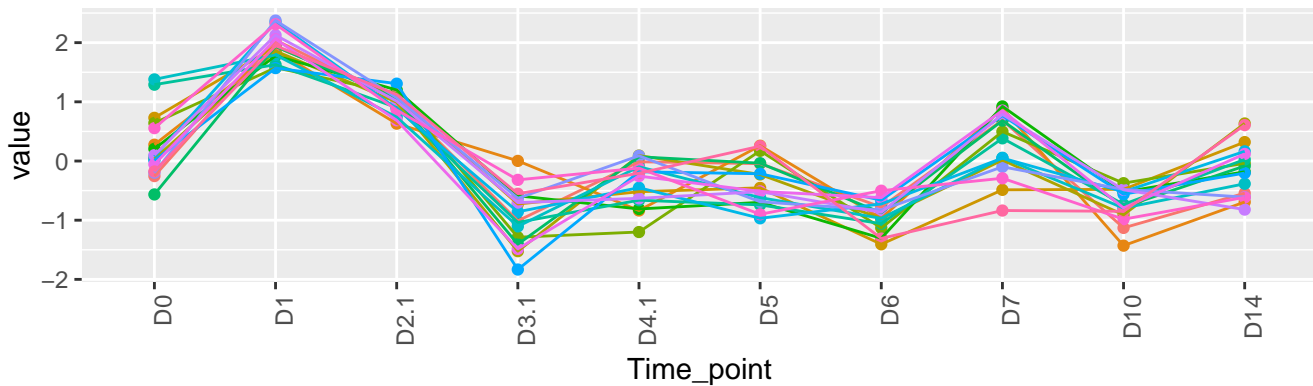
17 genes – WT-cluster-156-standardized



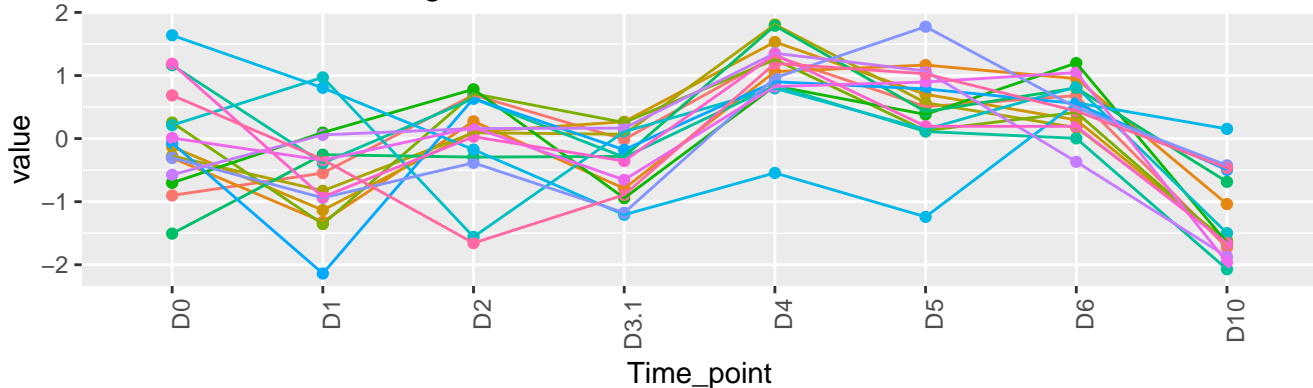
17 genes – KO-cluster-156-standardized



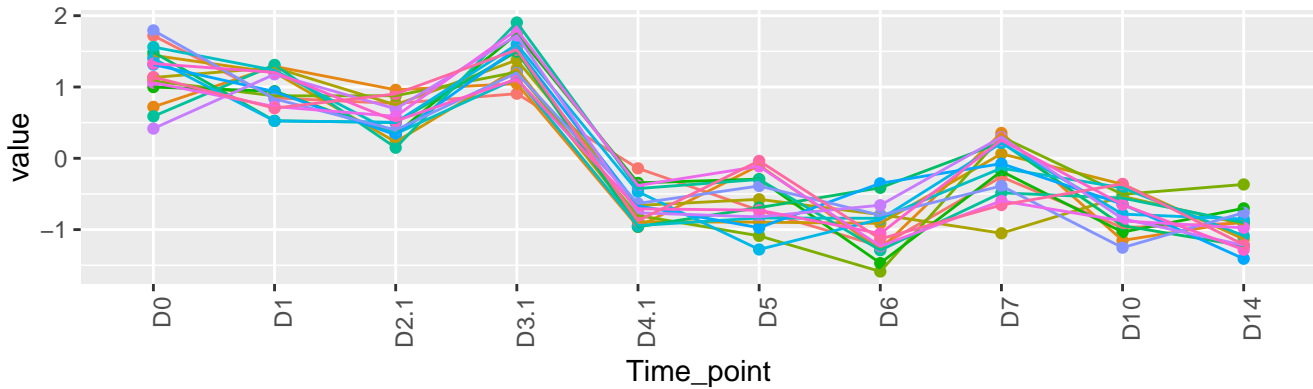
16 genes – WT-cluster-155-standardized



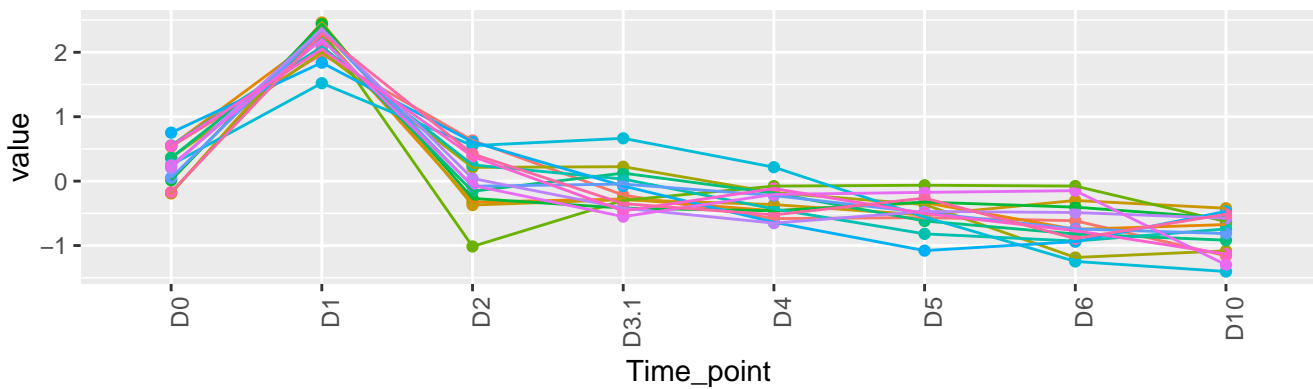
16 genes – KO-cluster-155-standardized



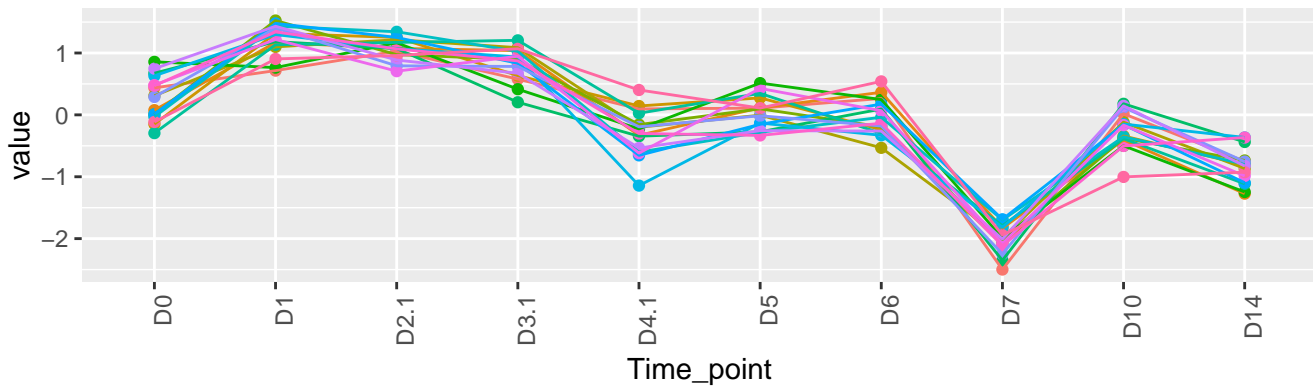
16 genes – WT-cluster-154-standardized



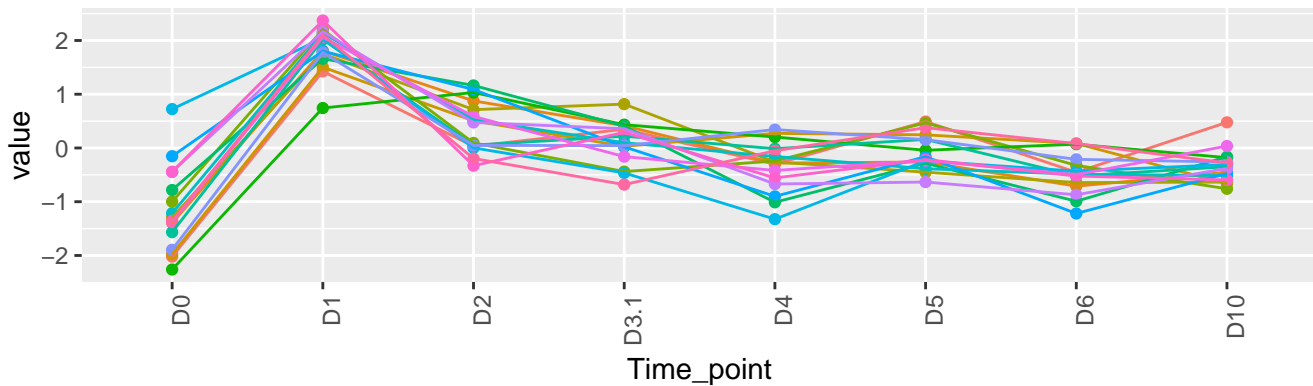
15 genes – KO-cluster-154-standardized



16 genes – WT-cluster-153-standardized

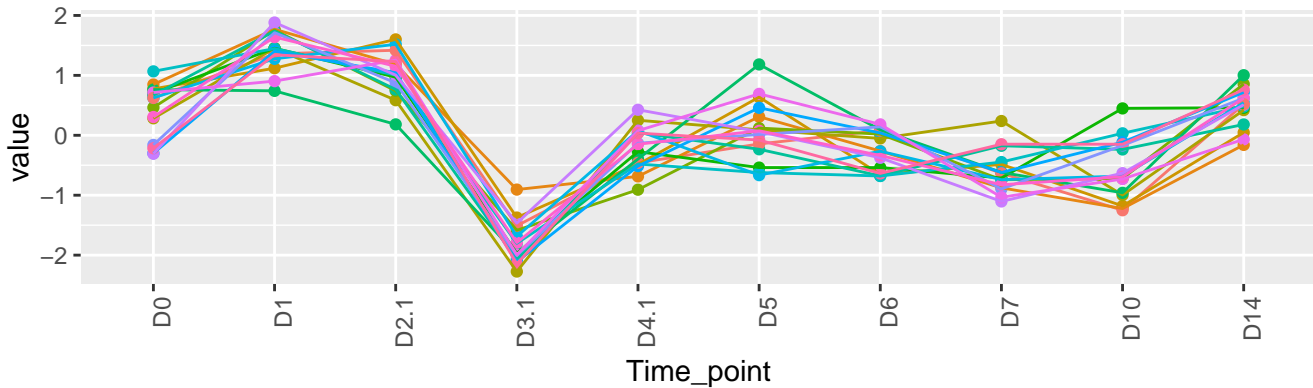


16 genes – KO-cluster-153-standardized

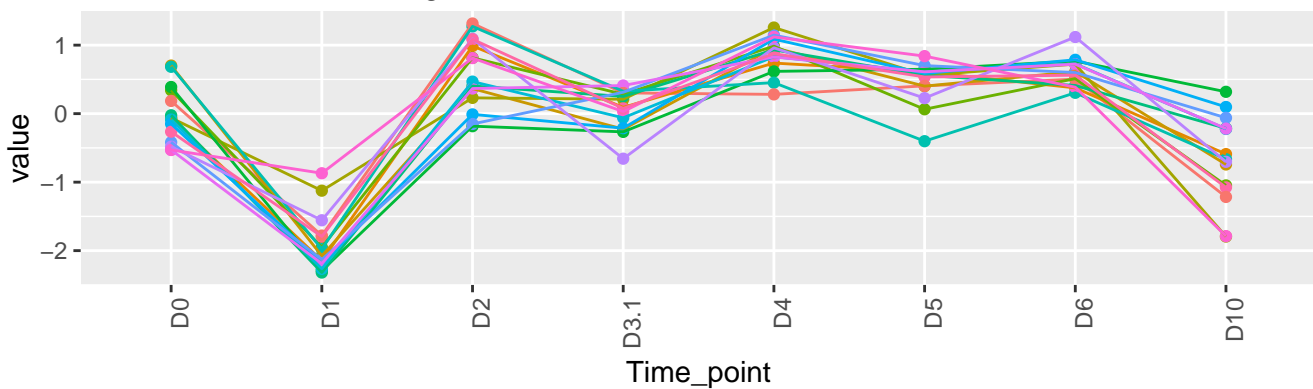




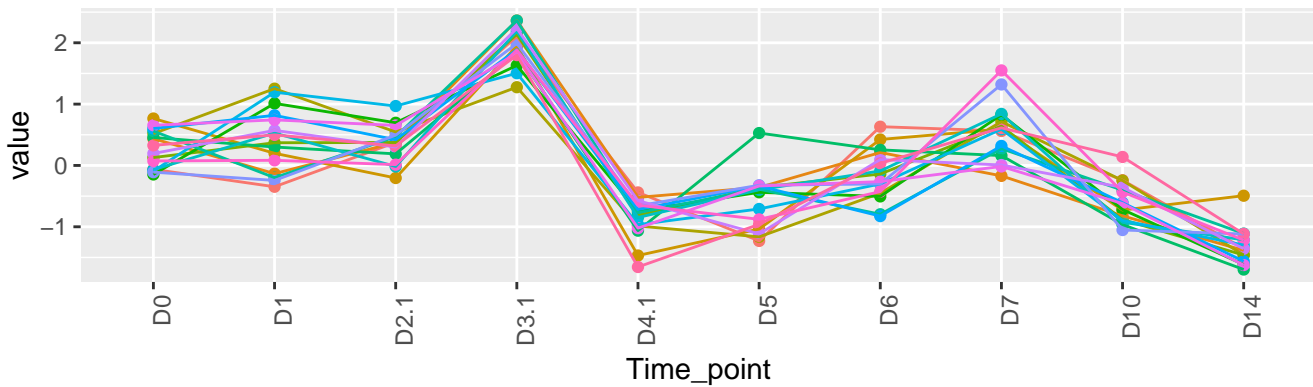
16 genes – WT-cluster-152-standardized



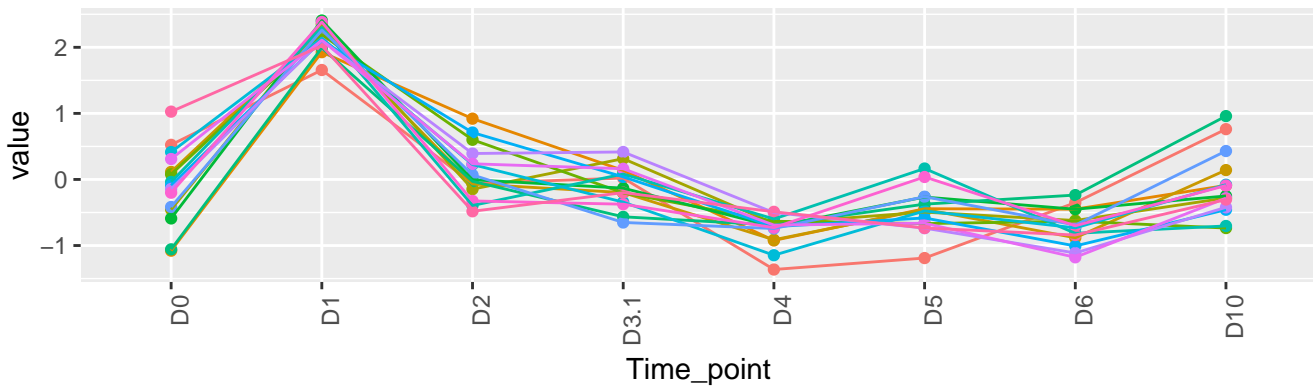
15 genes – KO-cluster-152-standardized



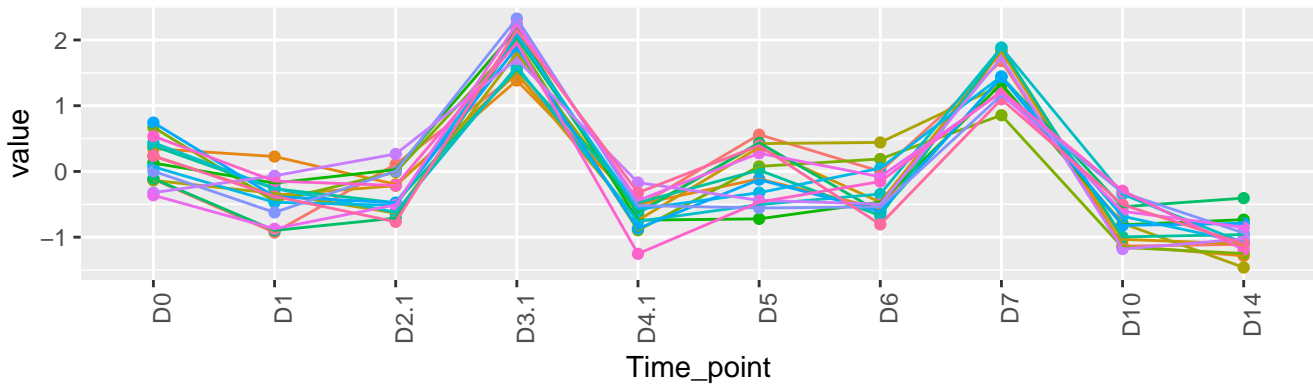
16 genes – WT-cluster-151-standardized



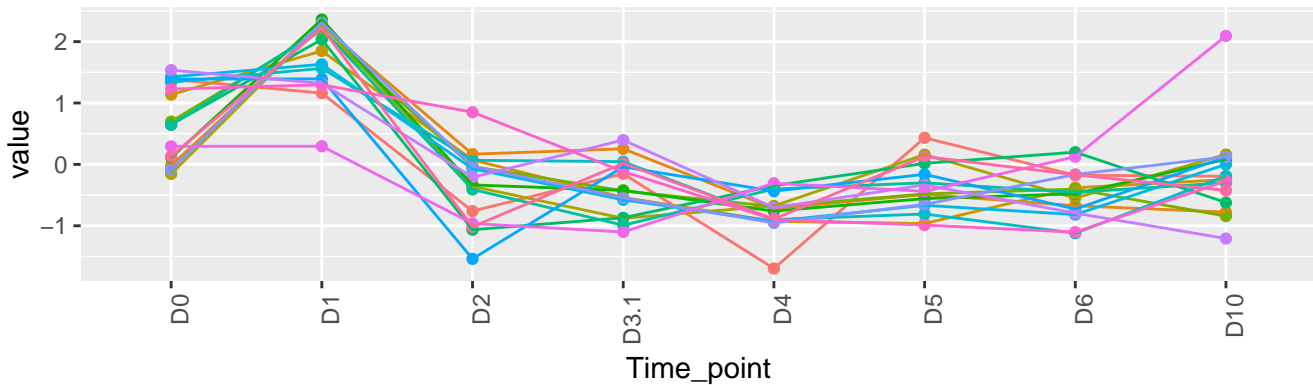
15 genes – KO-cluster-151-standardized



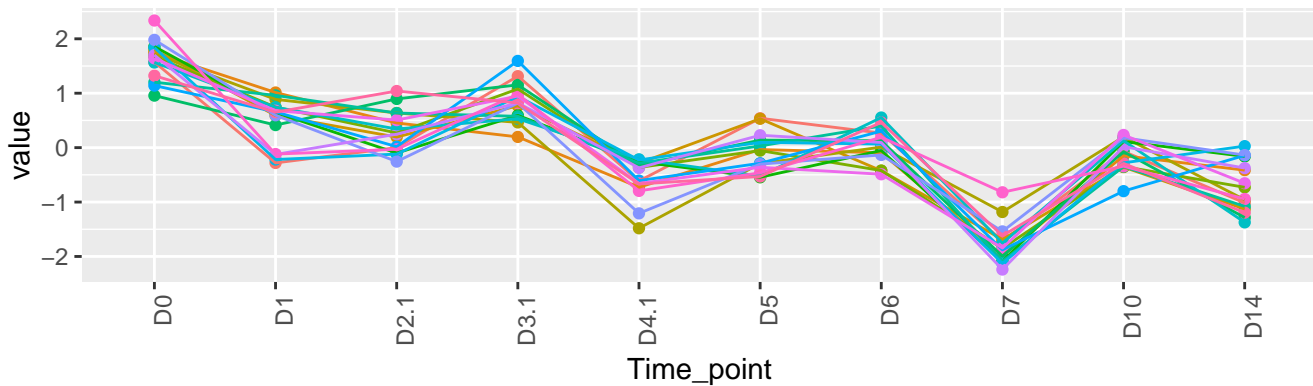
16 genes – WT-cluster-150-standardized



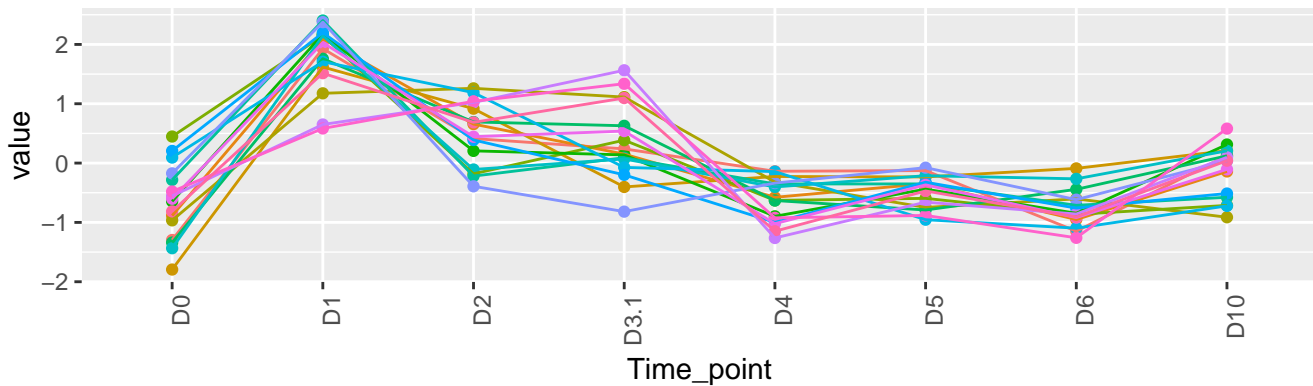
16 genes – KO-cluster-150-standardized



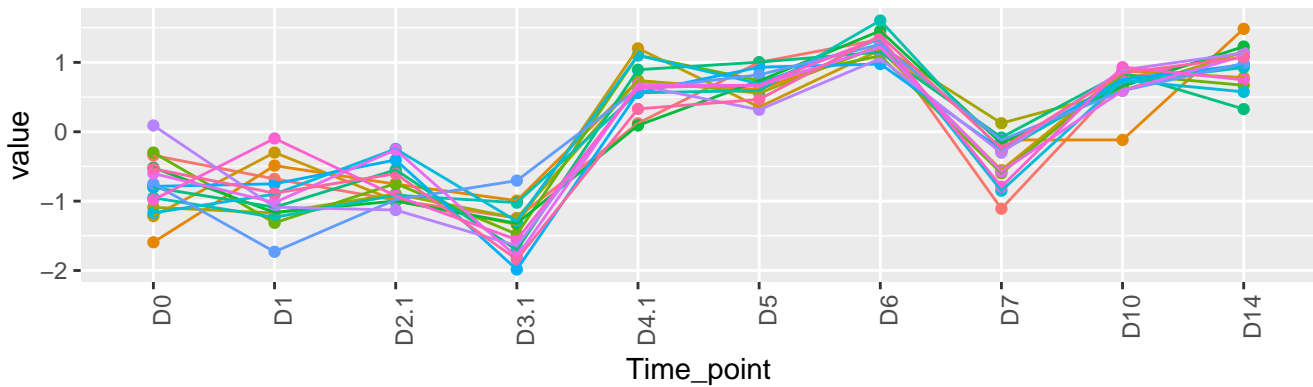
16 genes – WT-cluster-149-standardized



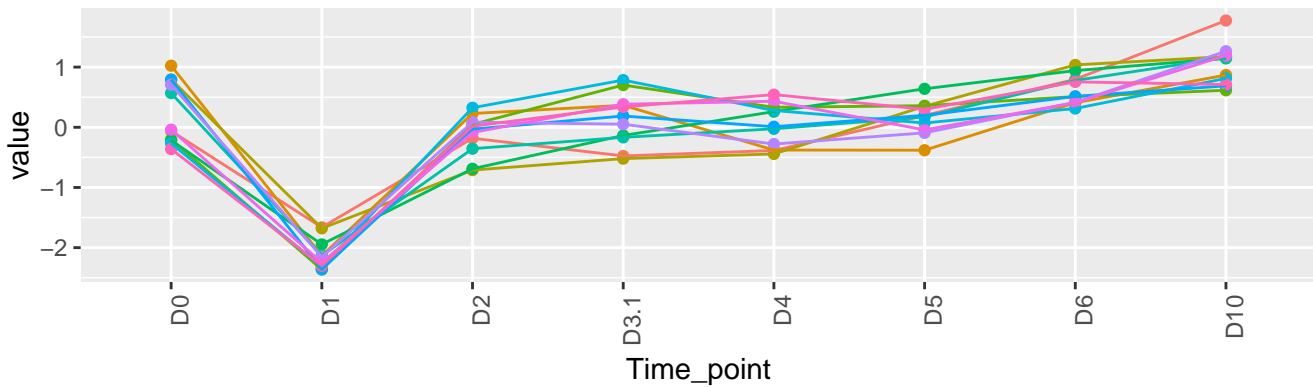
16 genes – KO-cluster-149-standardized



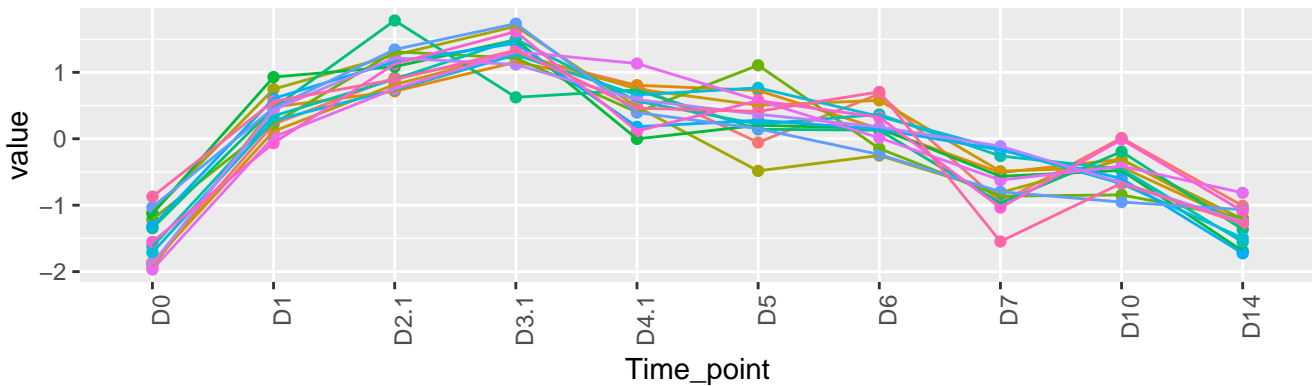
15 genes – WT-cluster-148-standardized



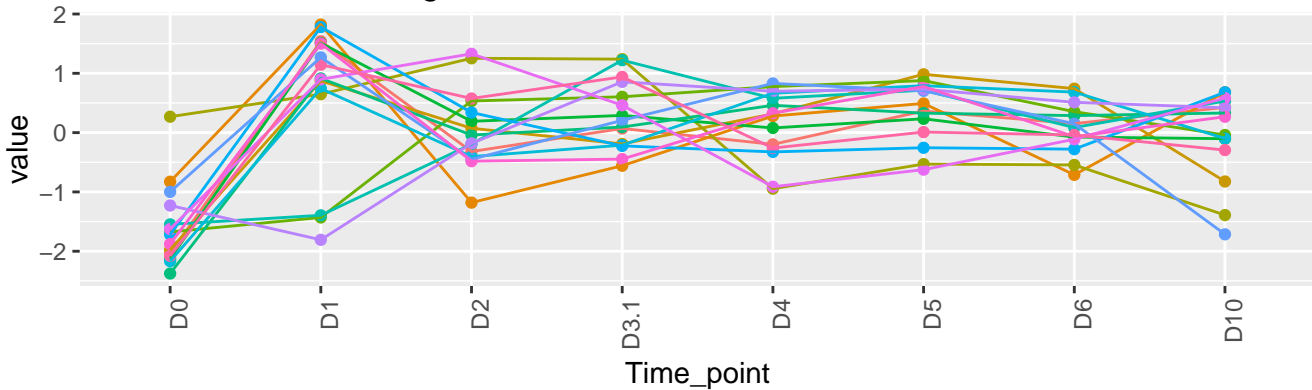
11 genes – KO-cluster-148-standardized



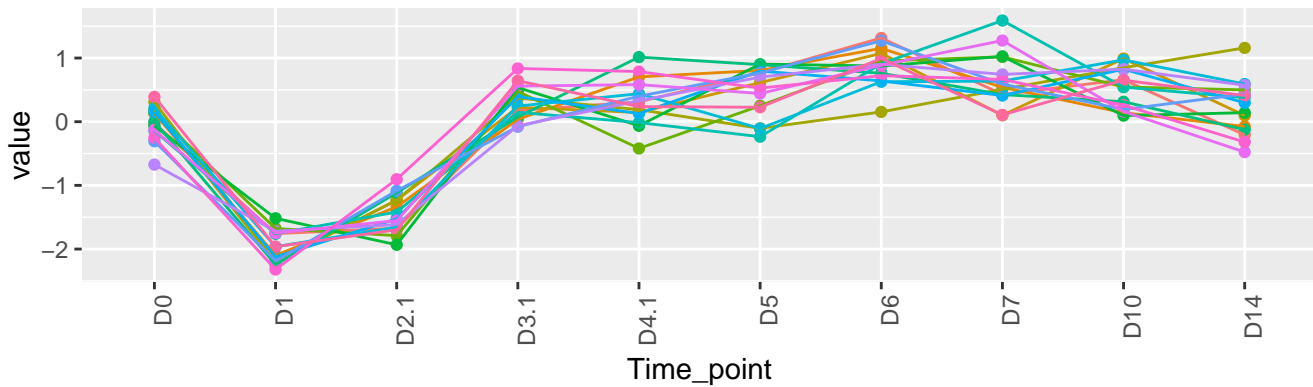
15 genes – WT-cluster-147-standardized



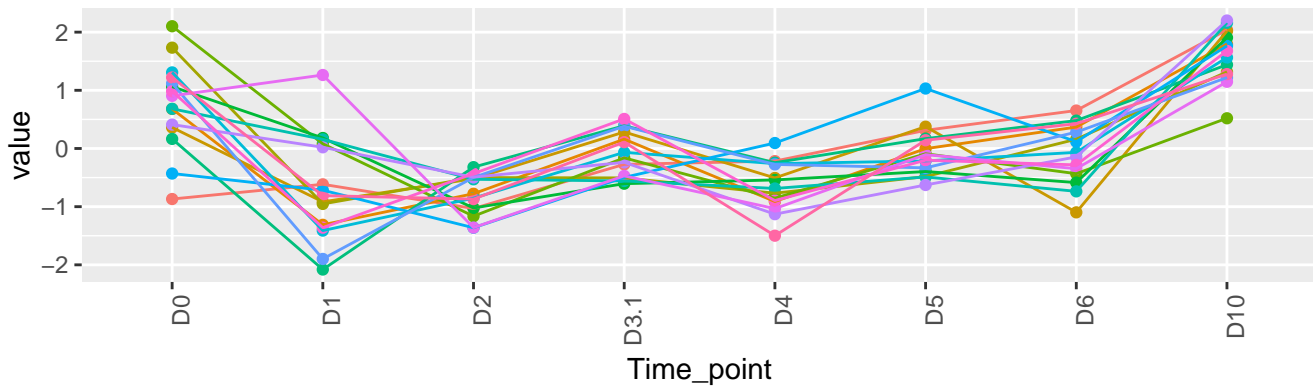
15 genes – KO-cluster-147-standardized



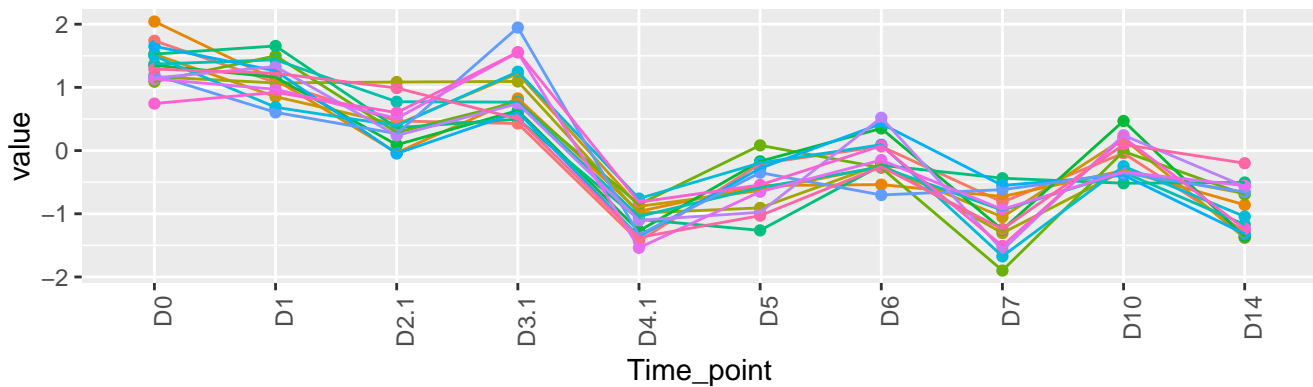
15 genes – WT-cluster-146-standardized



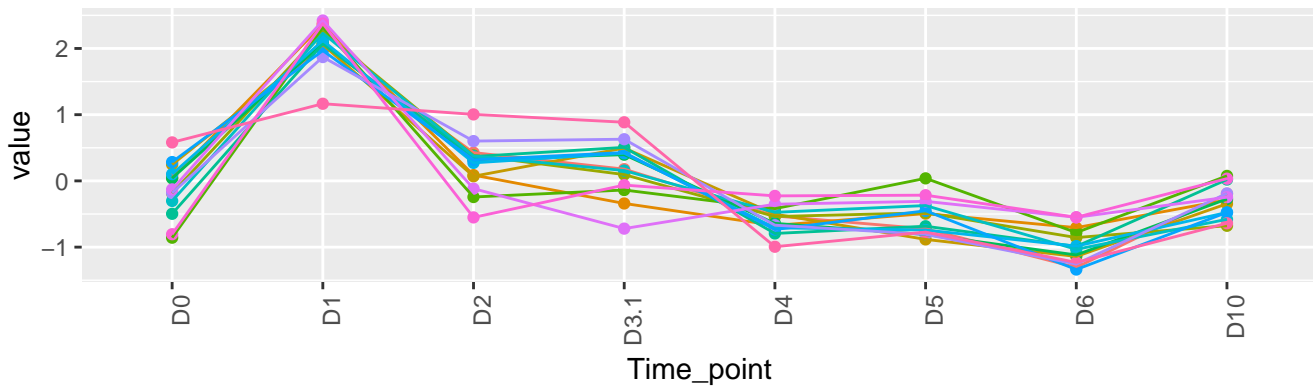
15 genes – KO-cluster-146-standardized



15 genes – WT-cluster-145-standardized

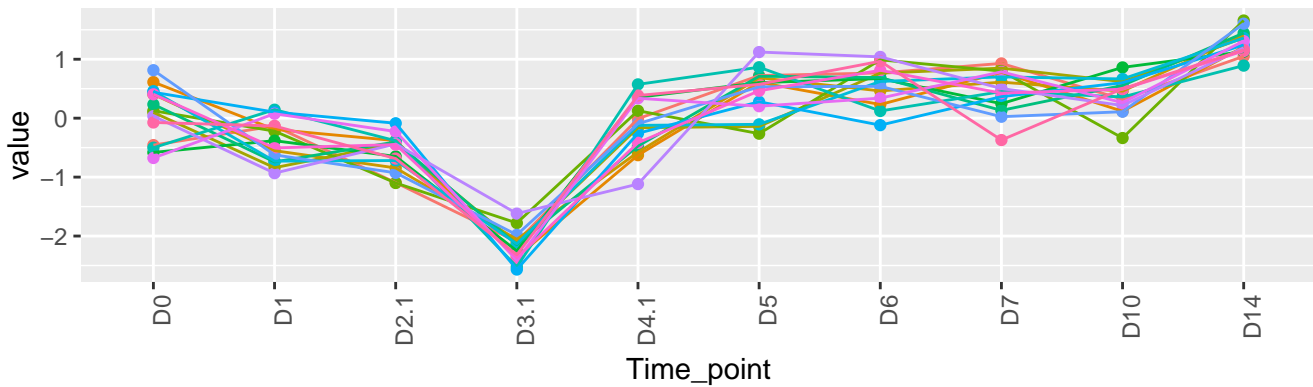


14 genes – KO-cluster-145-standardized

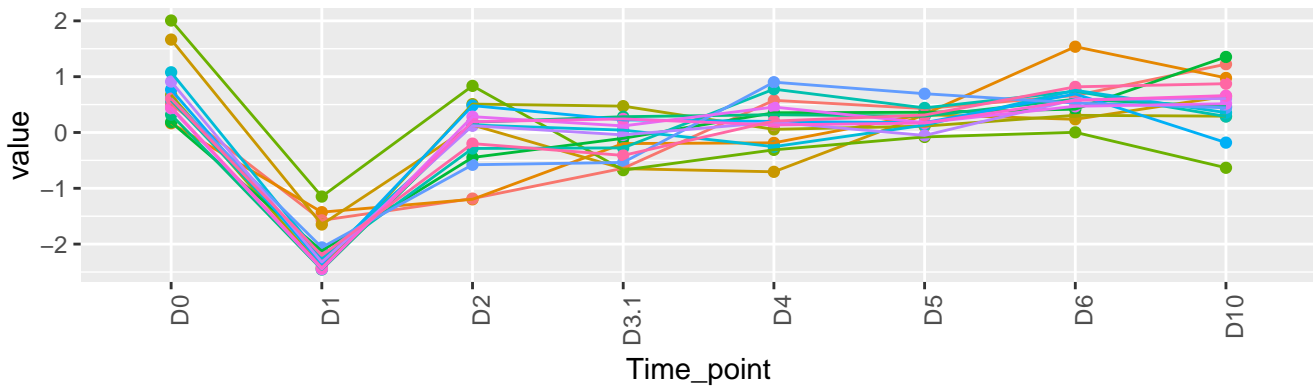




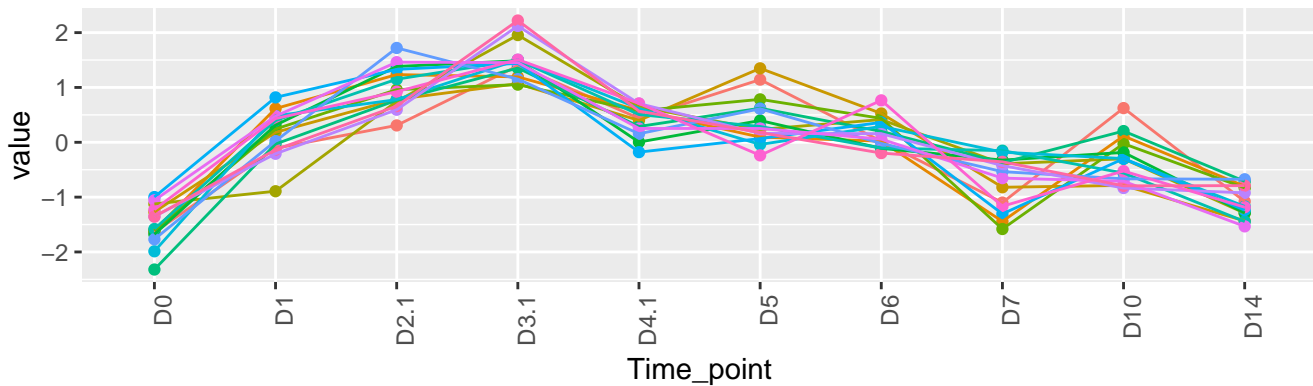
15 genes – WT-cluster-144-standardized



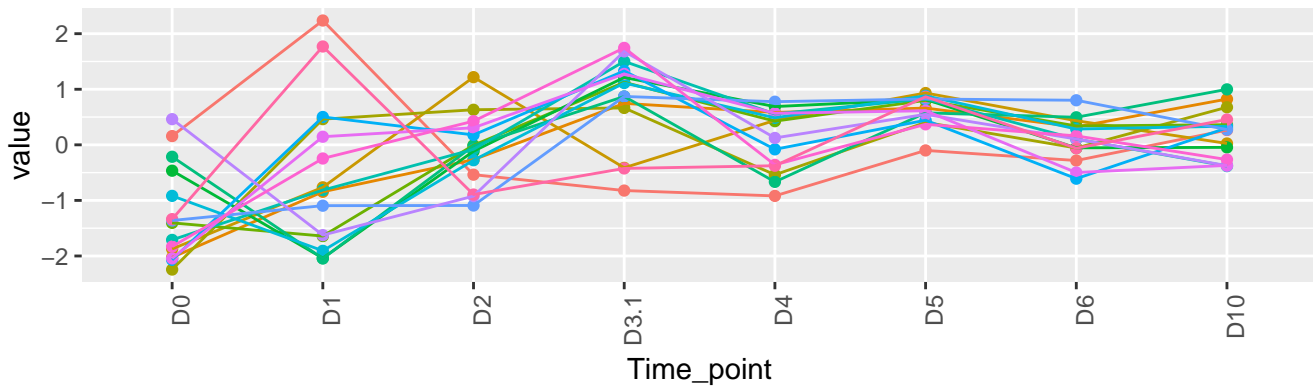
15 genes – KO-cluster-144-standardized



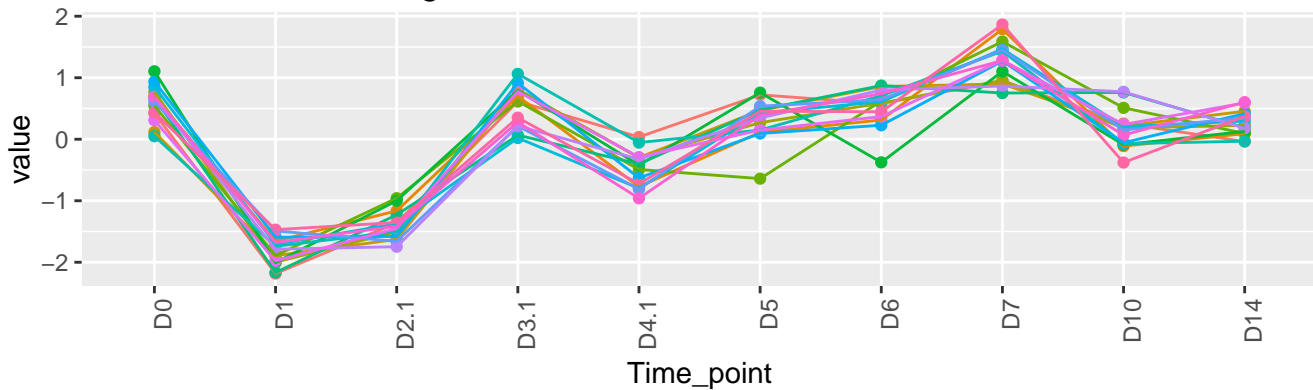
15 genes – WT-cluster-143-standardized



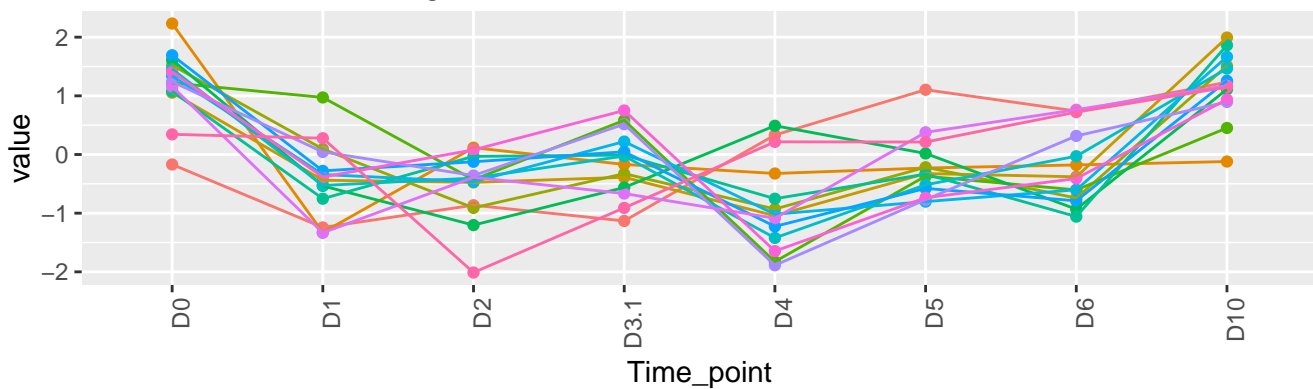
15 genes – KO-cluster-143-standardized



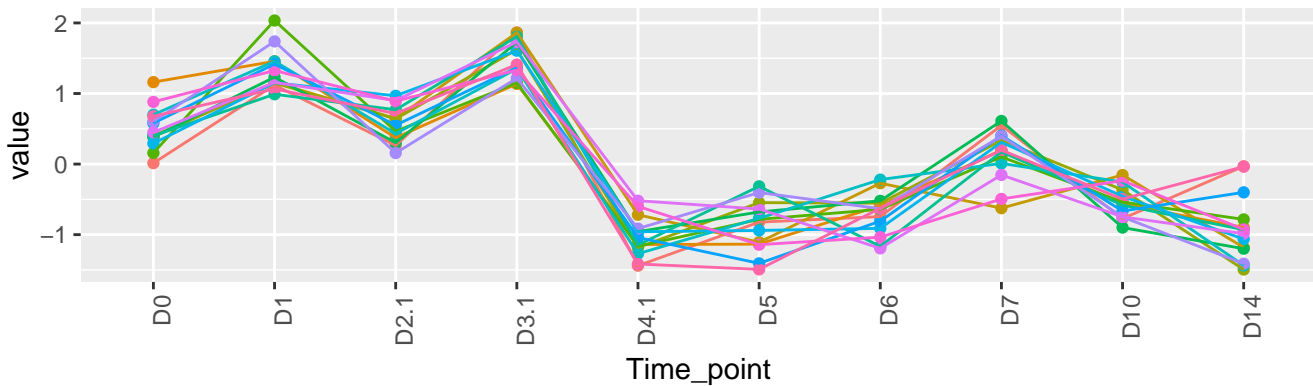
15 genes – WT-cluster-142-standardized



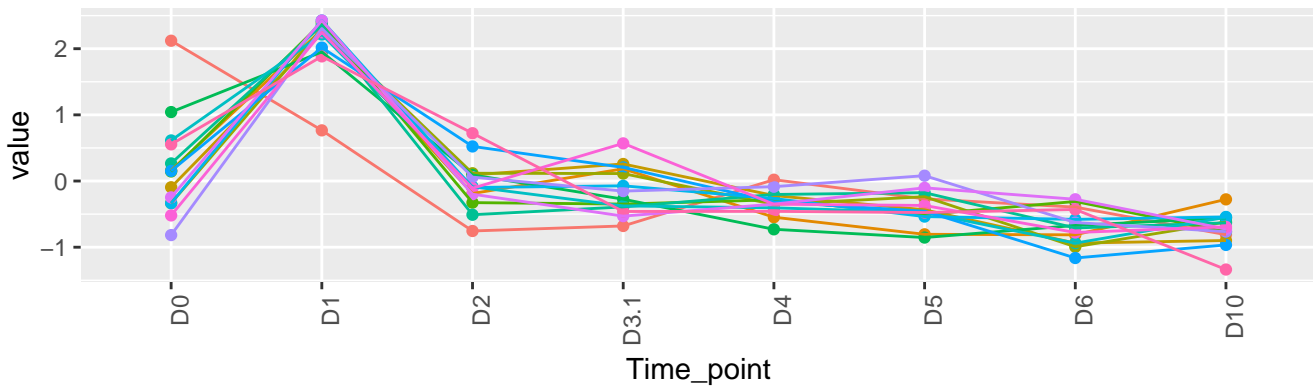
14 genes – KO-cluster-142-standardized



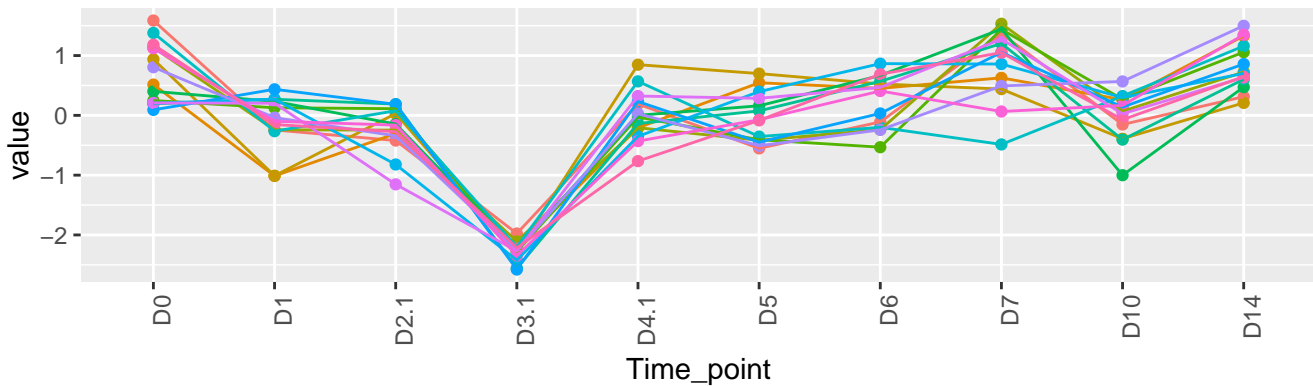
14 genes – WT-cluster-141-standardized



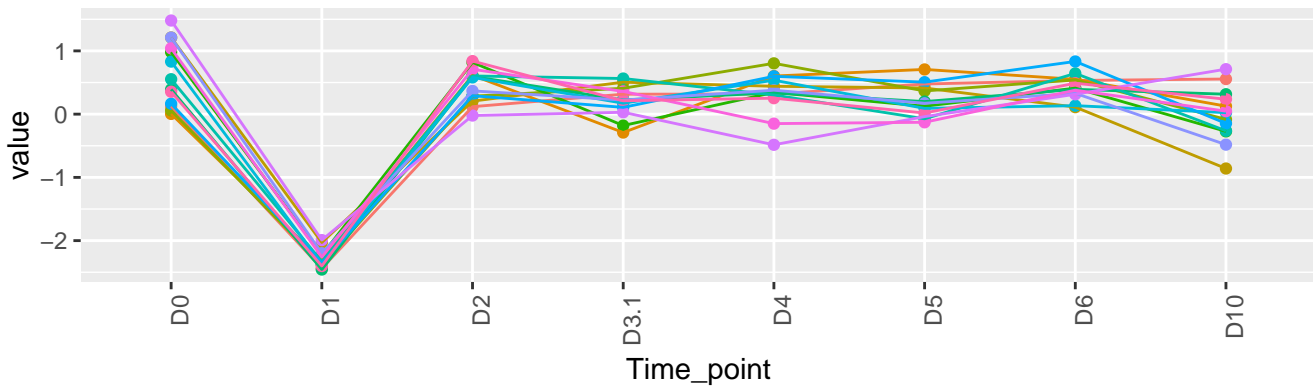
14 genes – KO-cluster-141-standardized



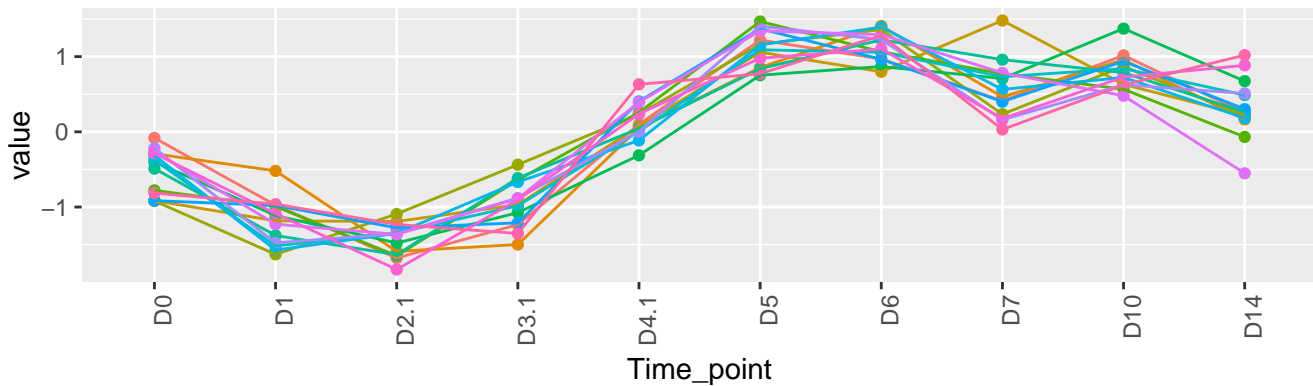
14 genes – WT-cluster-140-standardized



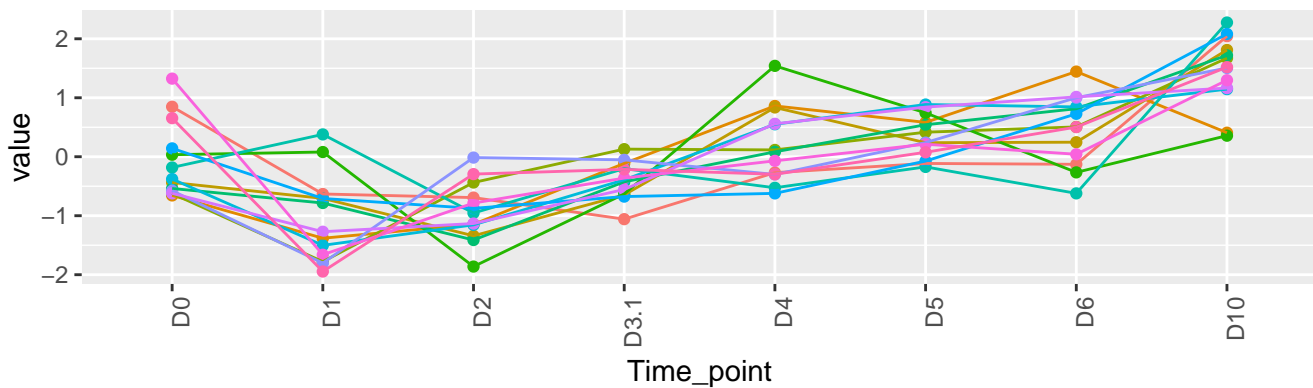
13 genes – KO-cluster-140-standardized



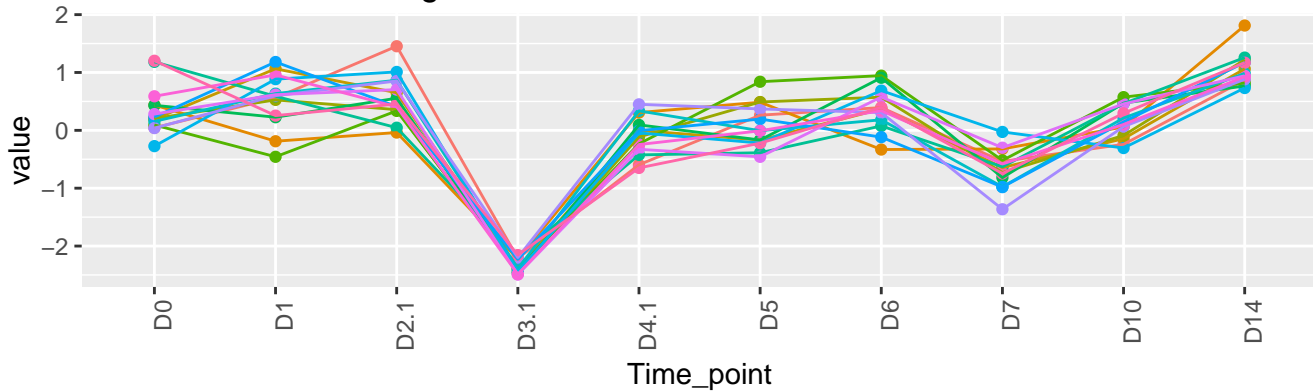
14 genes – WT-cluster-139-standardized



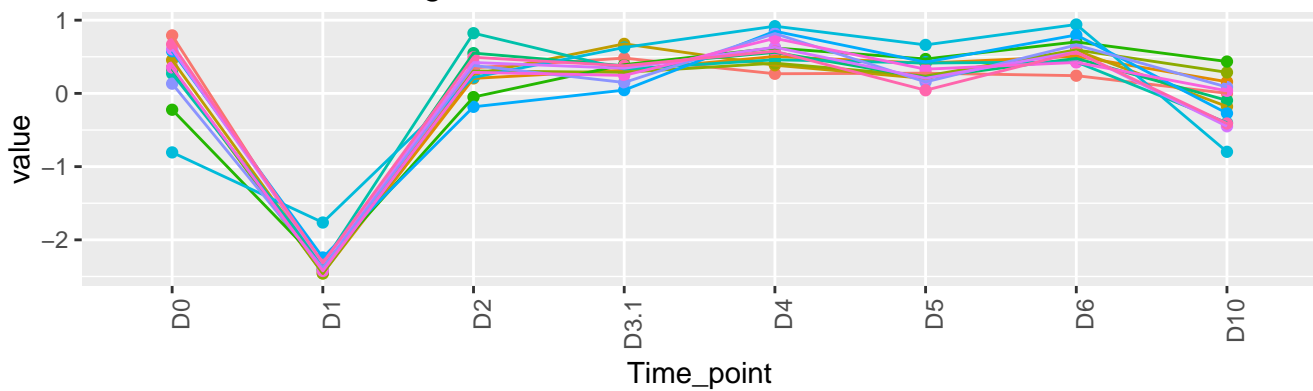
13 genes – KO-cluster-139-standardized



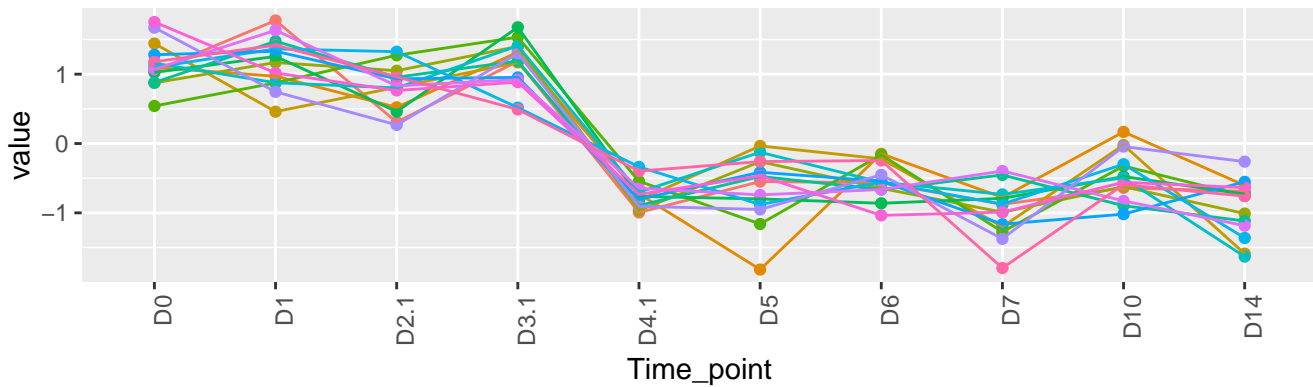
14 genes – WT-cluster-138-standardized



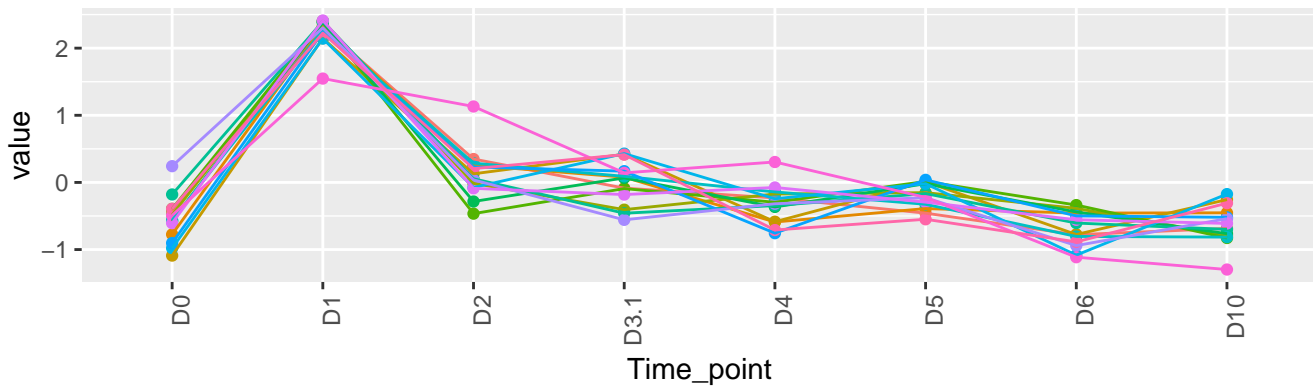
13 genes – KO-cluster-138-standardized



14 genes – WT-cluster-137-standardized

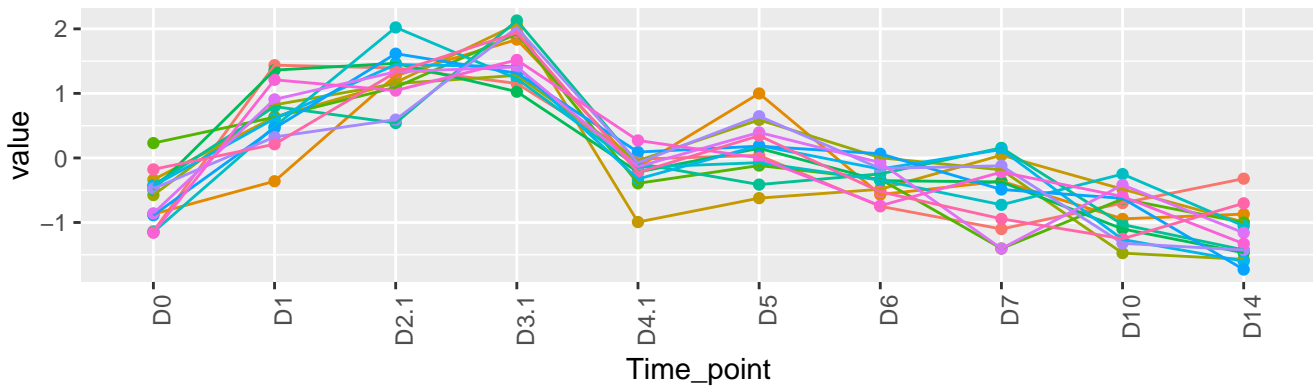


14 genes – KO-cluster-137-standardized

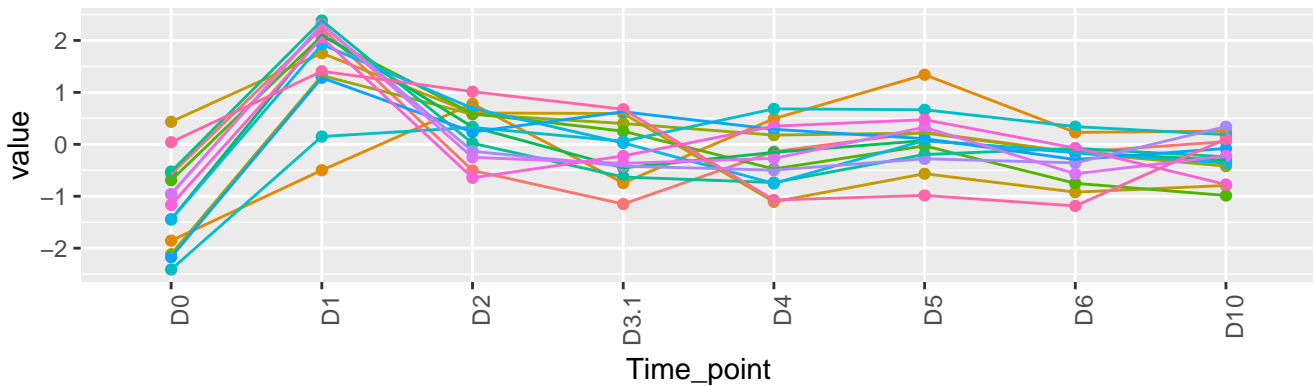




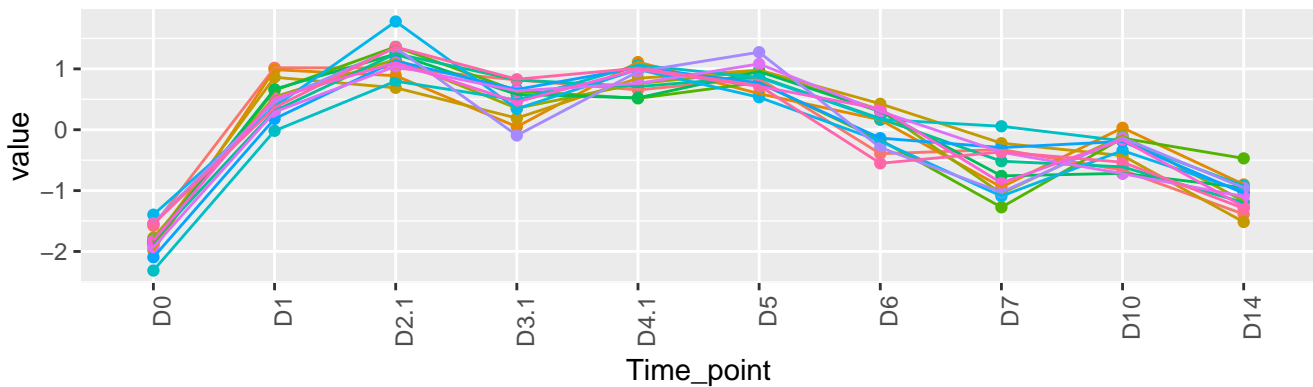
14 genes – WT-cluster-136-standardized



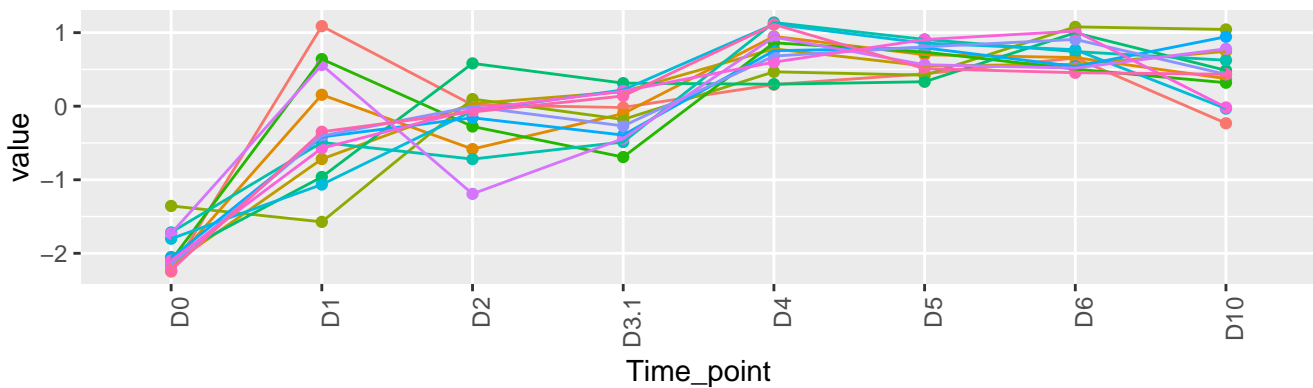
14 genes – KO-cluster-136-standardized



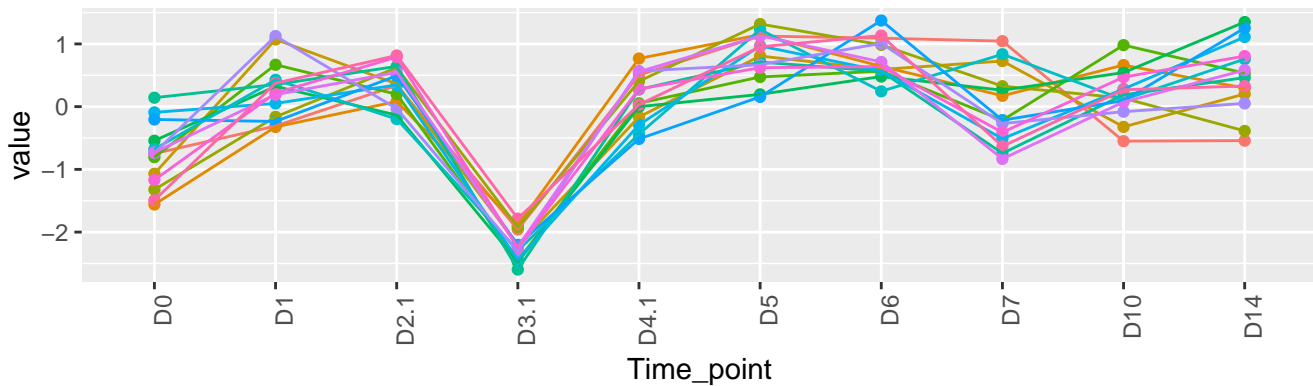
14 genes – WT-cluster-135-standardized



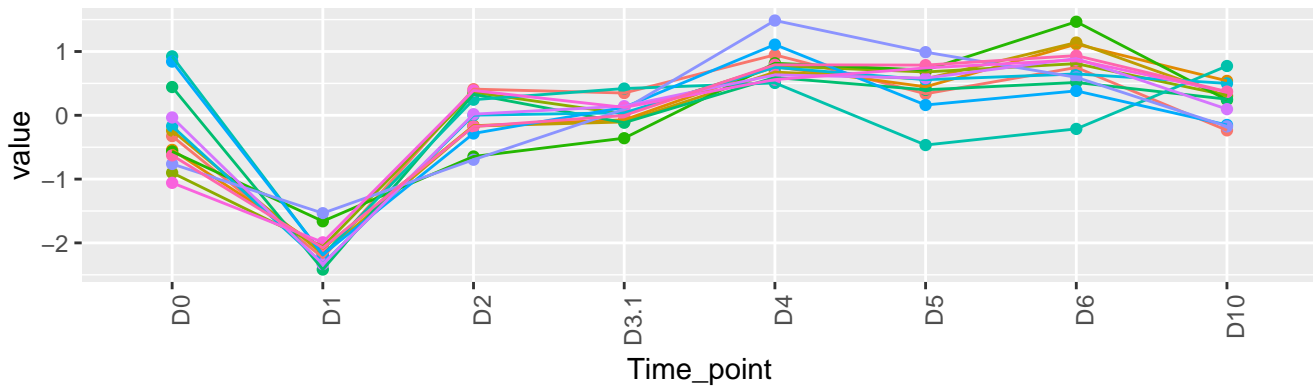
13 genes – KO-cluster-135-standardized



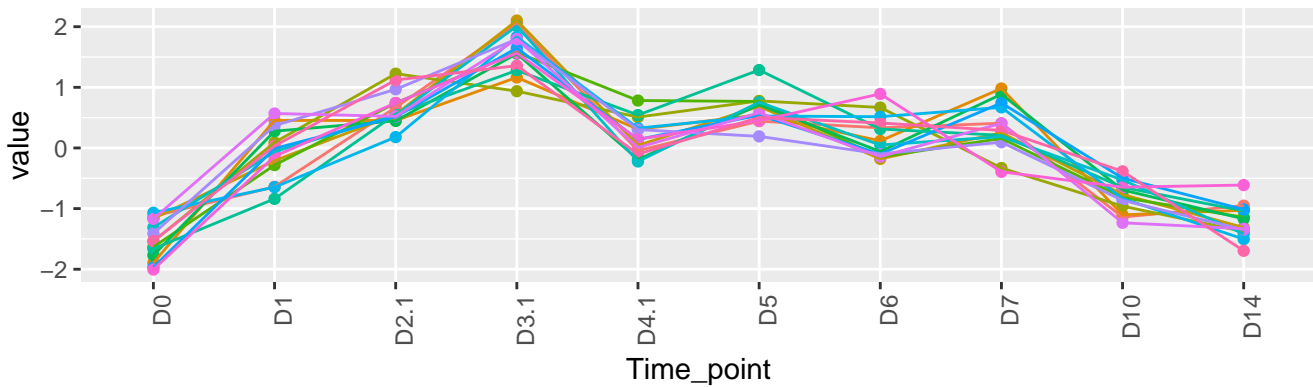
14 genes – WT-cluster-134-standardized



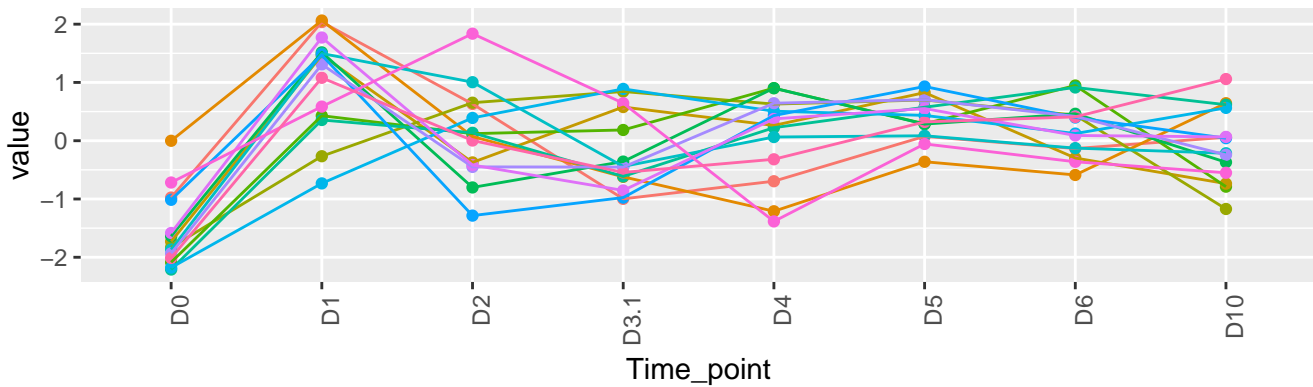
13 genes – KO-cluster-134-standardized



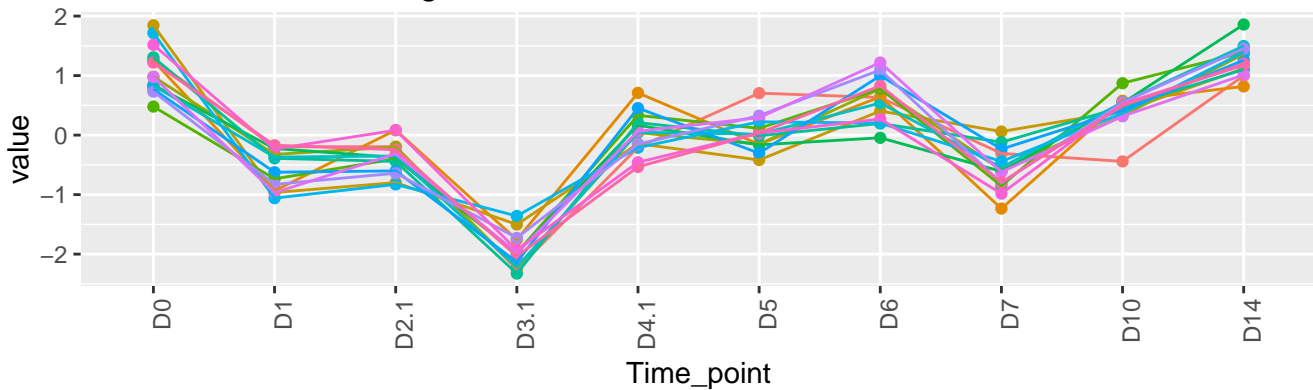
14 genes – WT-cluster-133-standardized



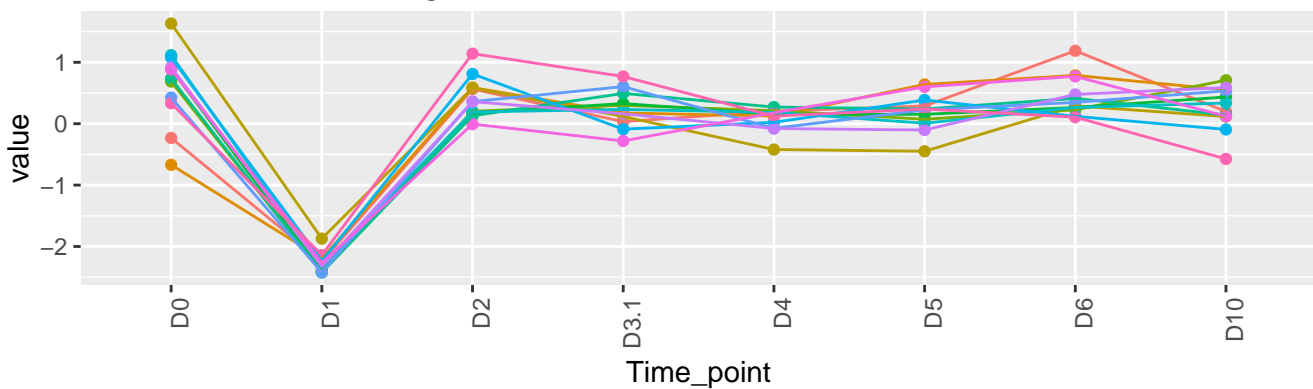
14 genes – KO-cluster-133-standardized



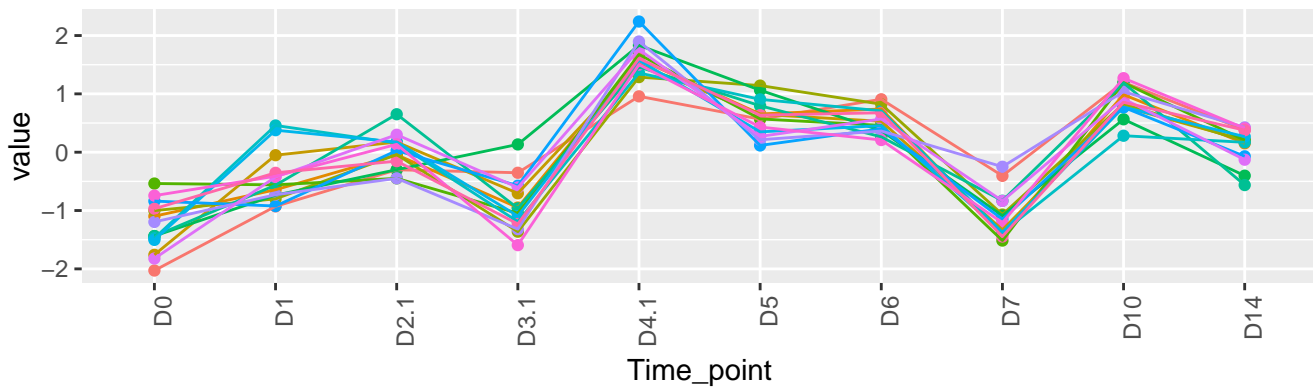
14 genes – WT-cluster-132-standardized



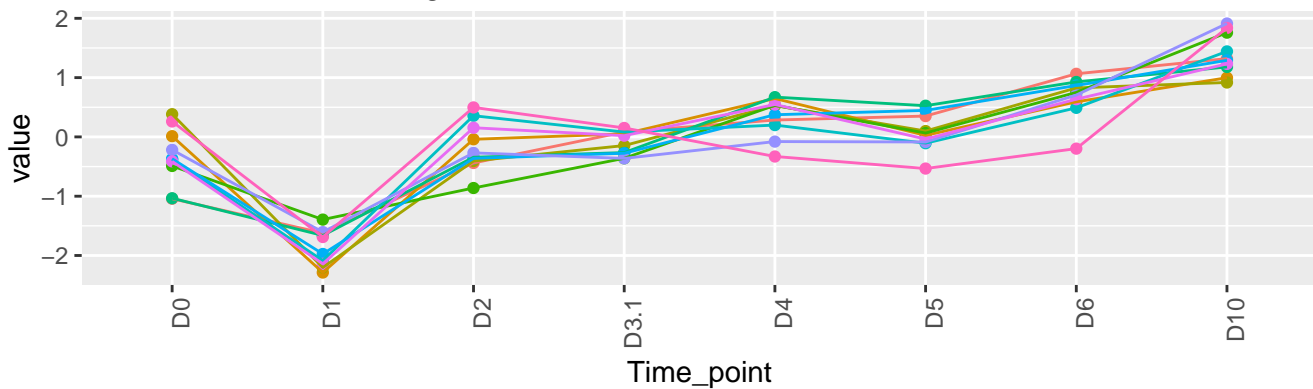
12 genes – KO-cluster-132-standardized



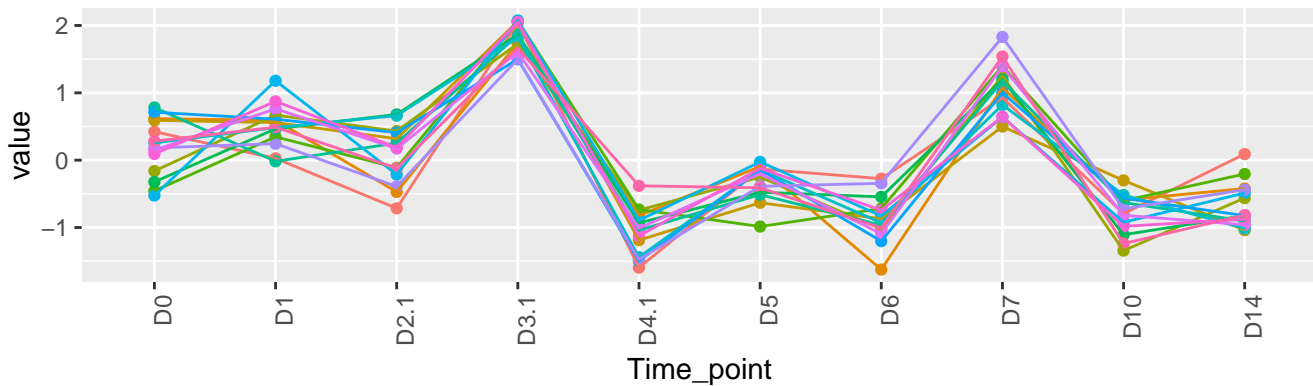
14 genes – WT-cluster-131-standardized



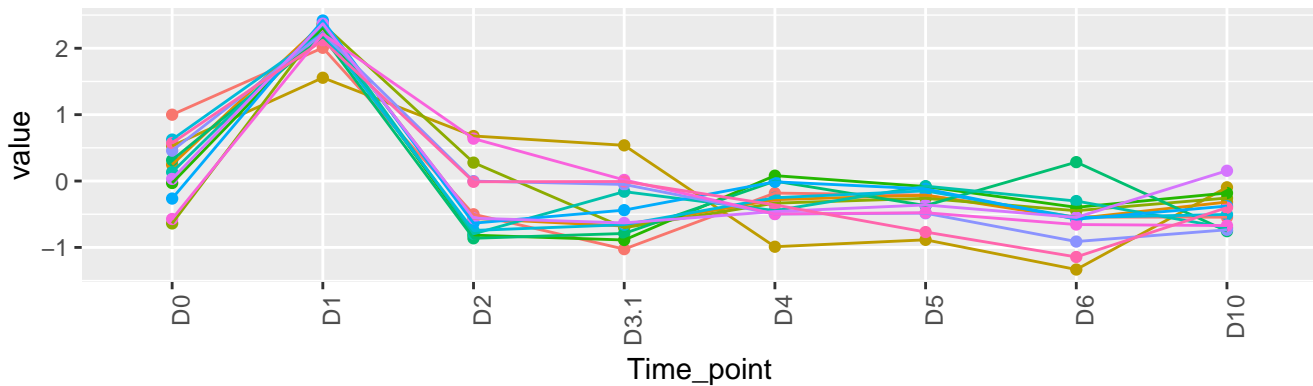
10 genes – KO-cluster-131-standardized



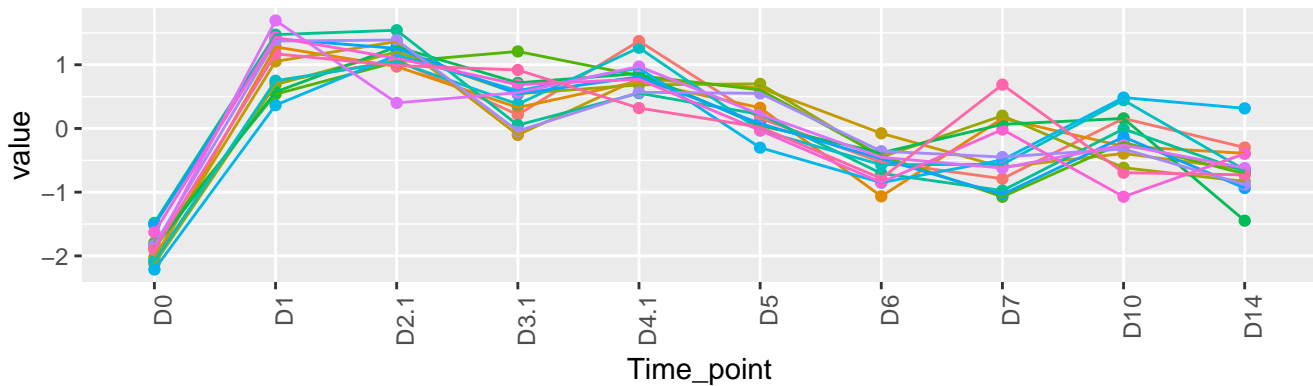
14 genes – WT-cluster-130-standardized



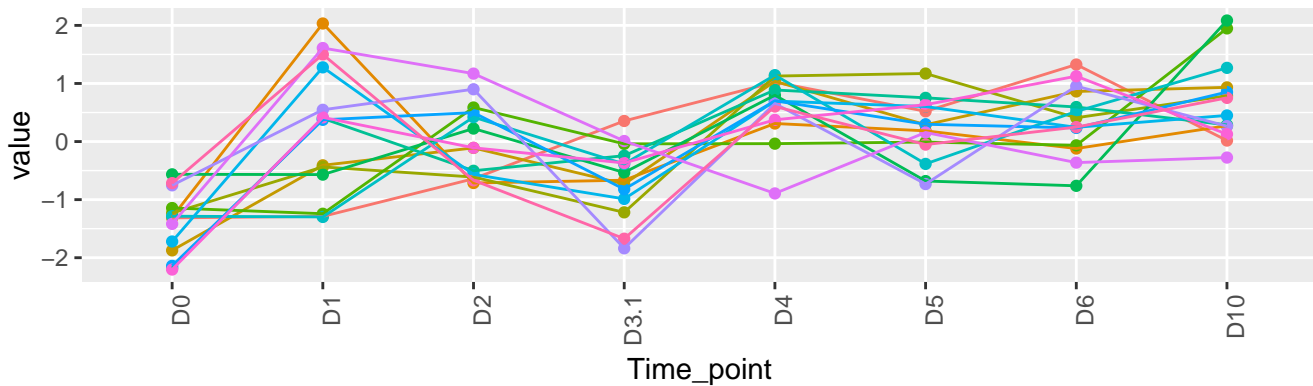
13 genes – KO-cluster-130-standardized



14 genes – WT-cluster-129-standardized

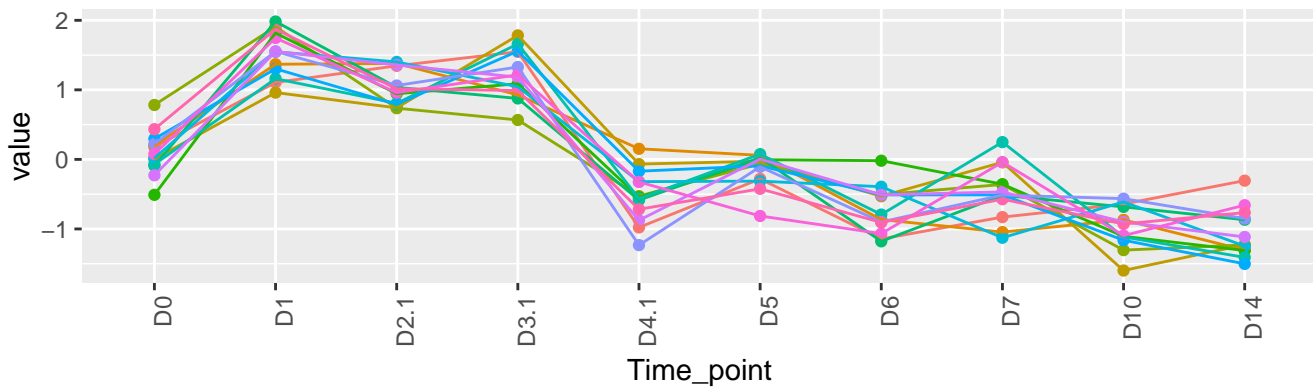


14 genes – KO-cluster-129-standardized

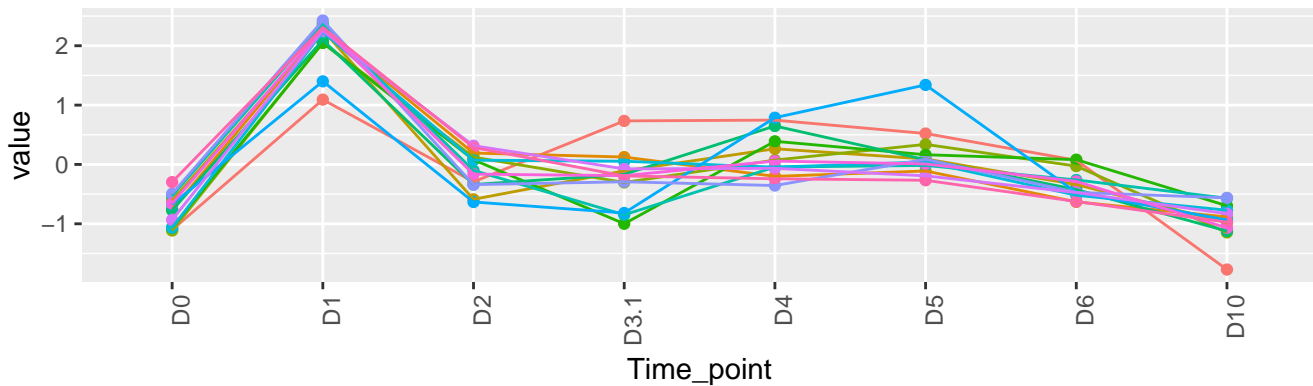




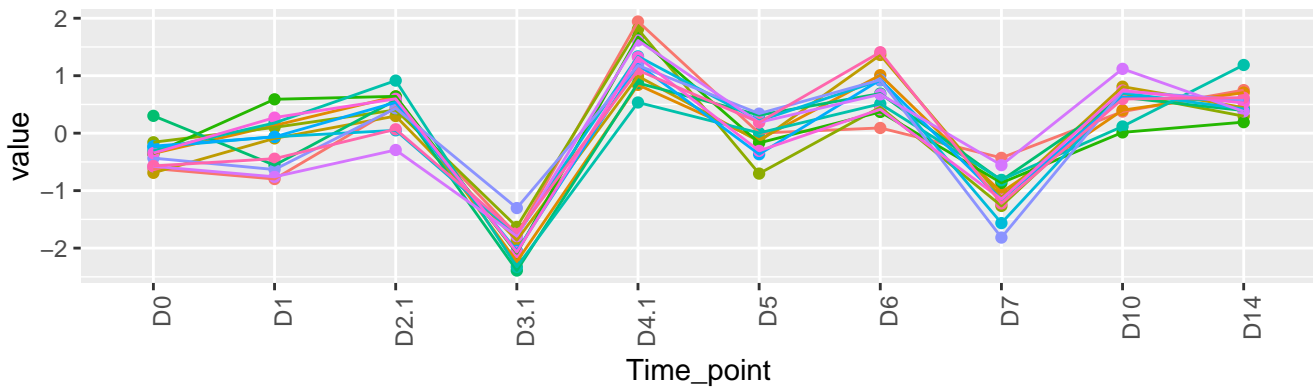
13 genes – WT-cluster-128-standardized



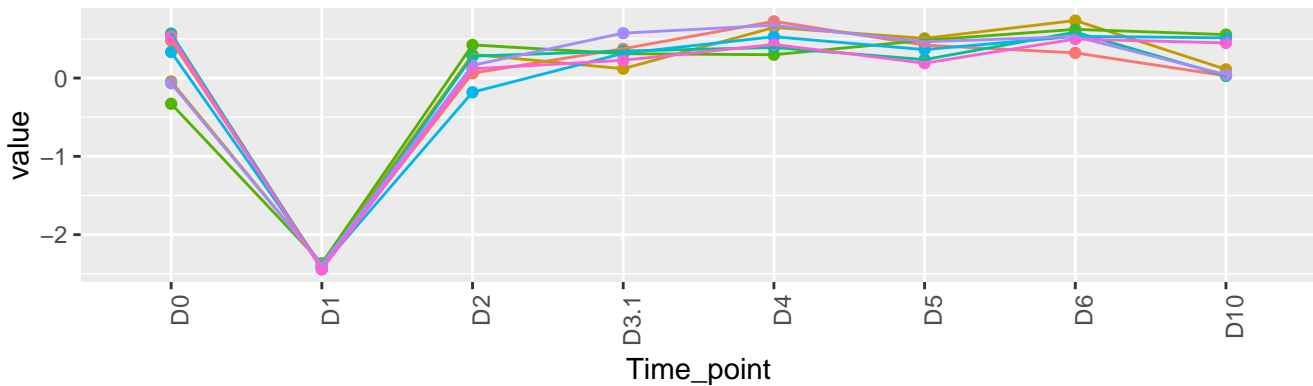
13 genes – KO-cluster-128-standardized



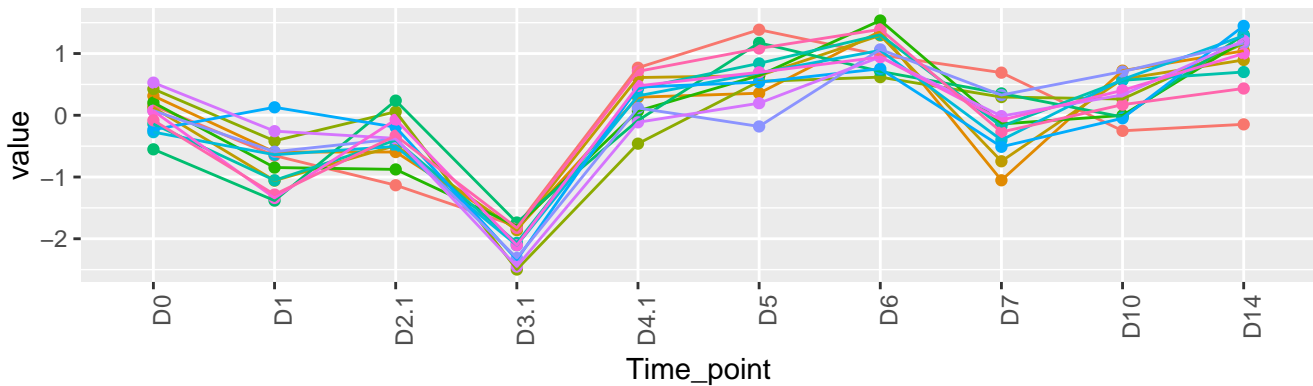
13 genes – WT-cluster-127-standardized



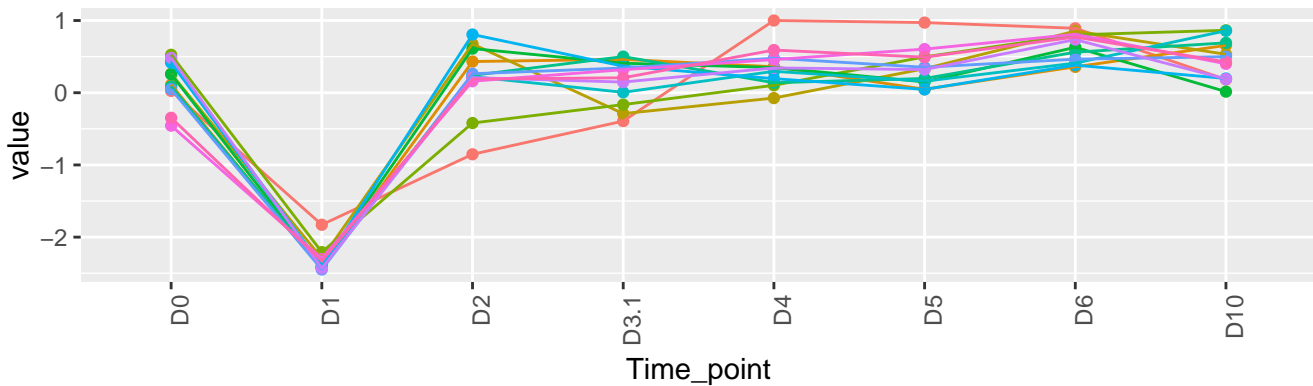
7 genes – KO-cluster-127-standardized



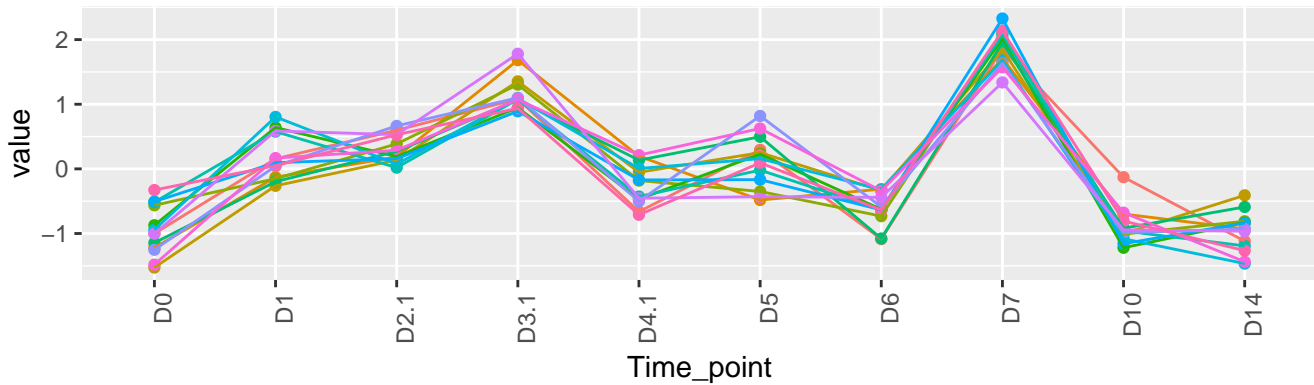
13 genes – WT-cluster-126-standardized



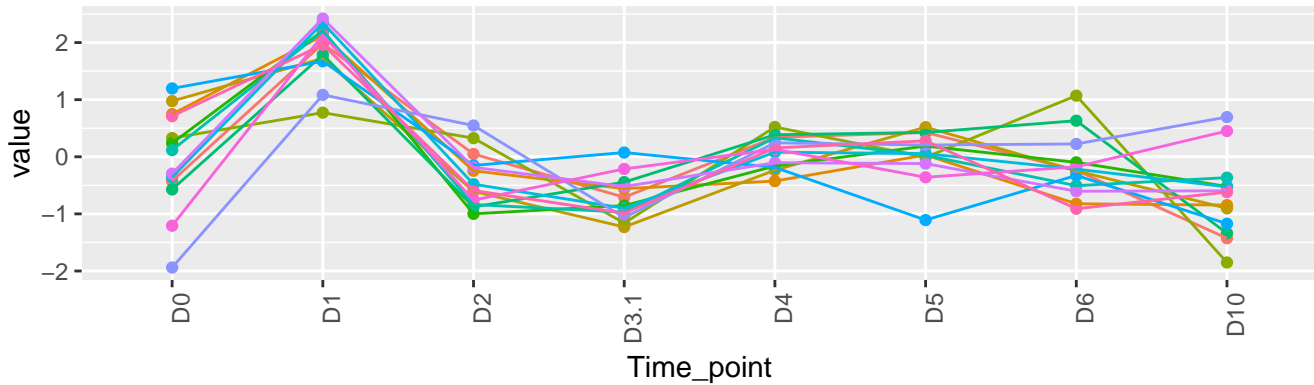
12 genes – KO-cluster-126-standardized



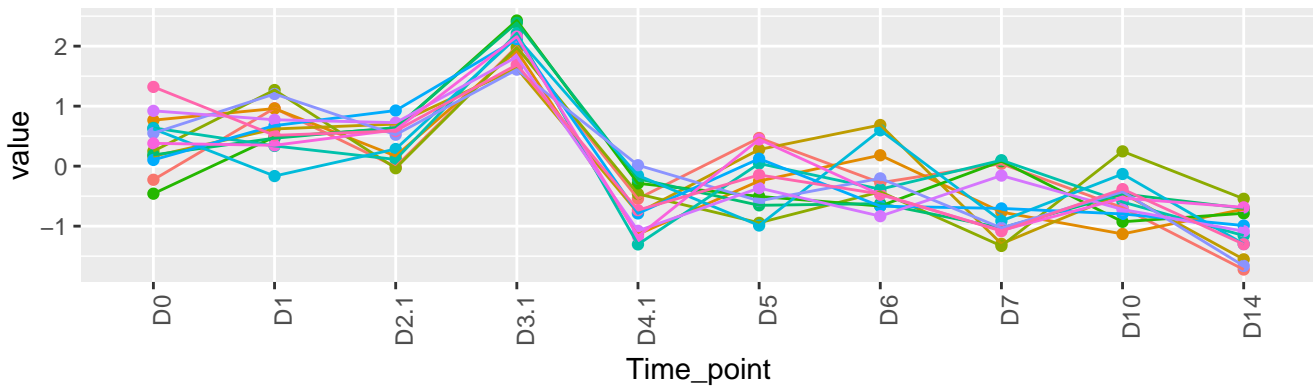
13 genes – WT-cluster-125-standardized



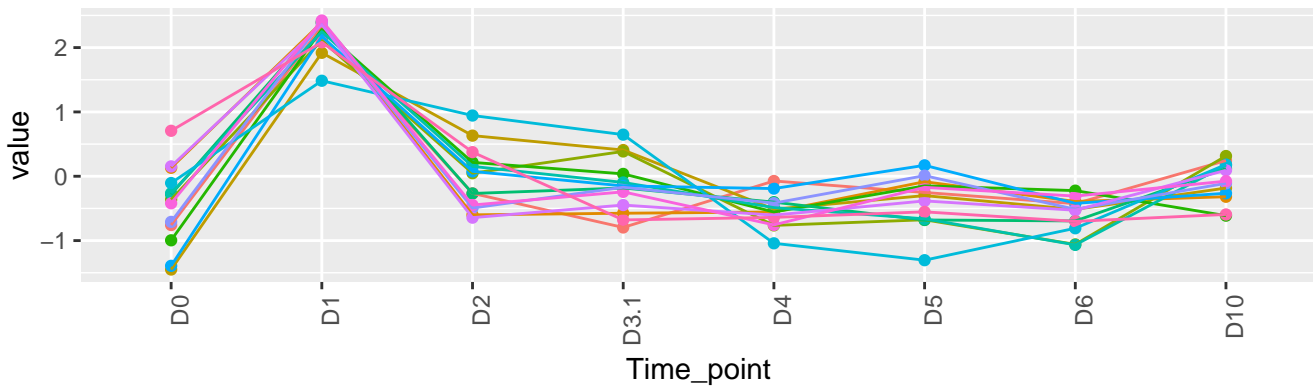
13 genes – KO-cluster-125-standardized



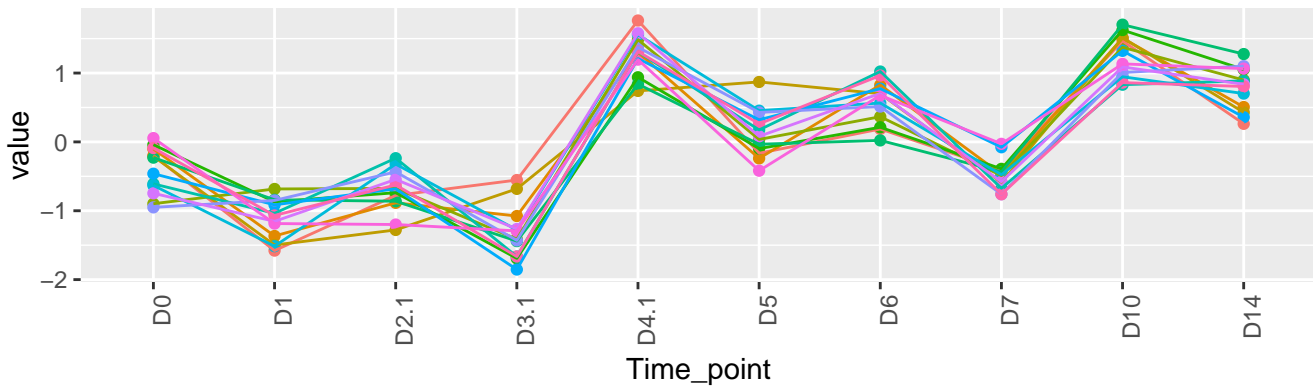
13 genes – WT-cluster-124-standardized



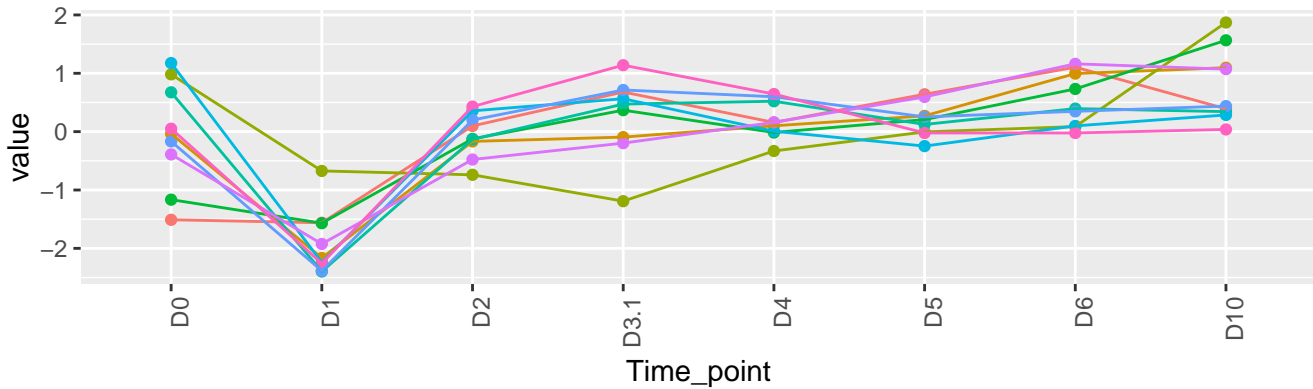
13 genes – KO-cluster-124-standardized



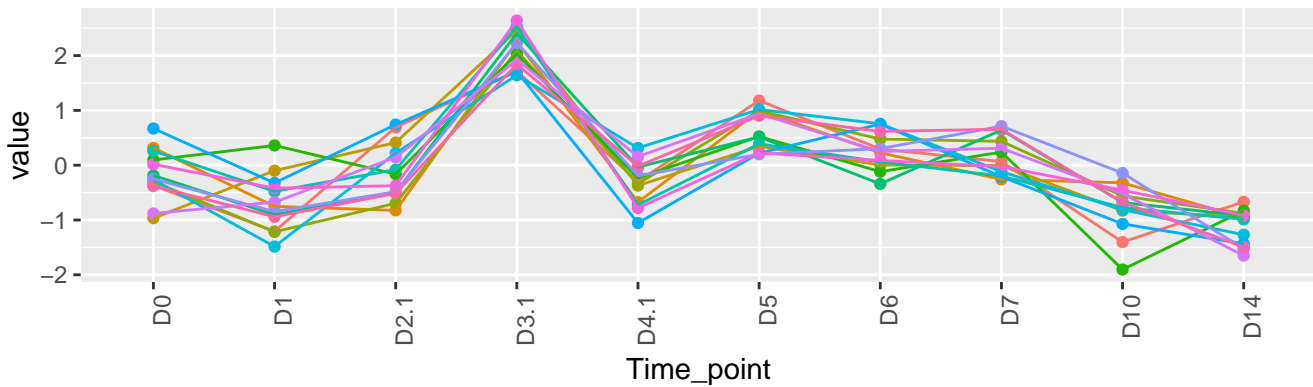
13 genes – WT-cluster-123-standardized



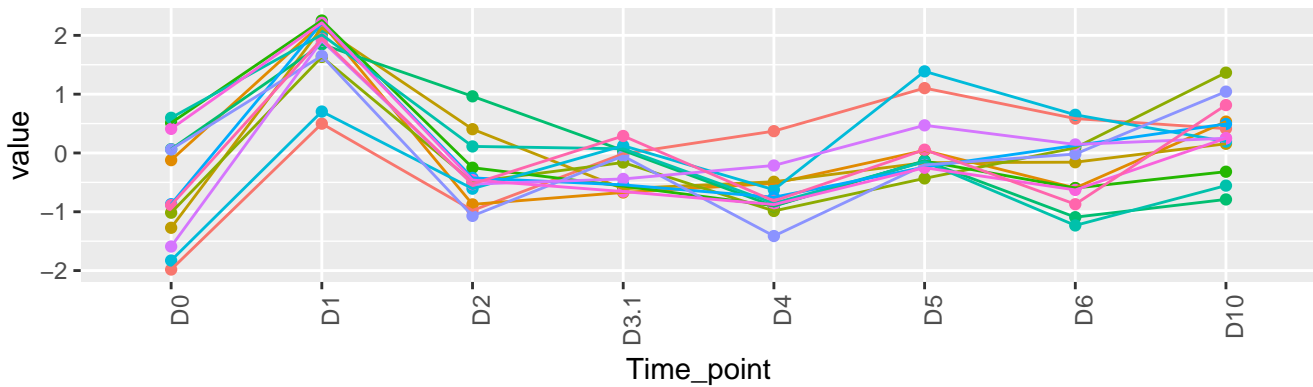
9 genes – KO-cluster-123-standardized



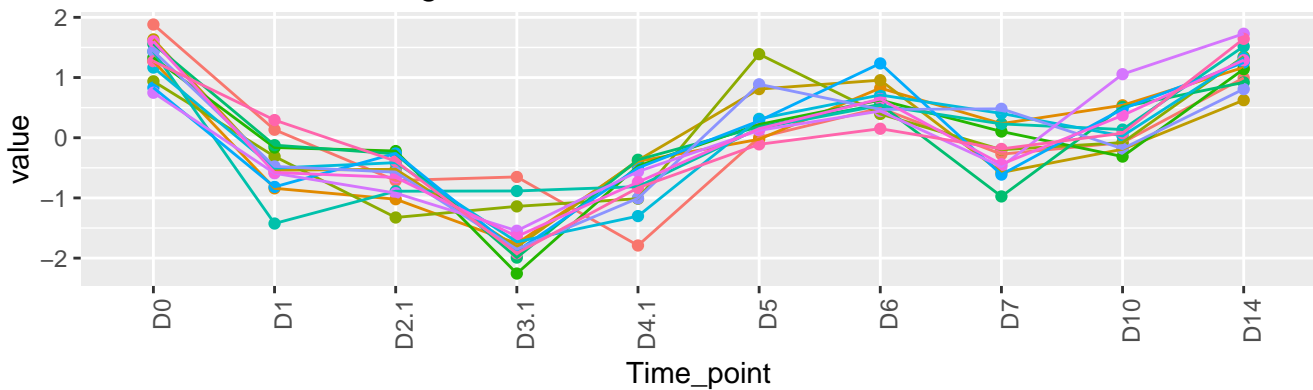
13 genes – WT-cluster-122-standardized



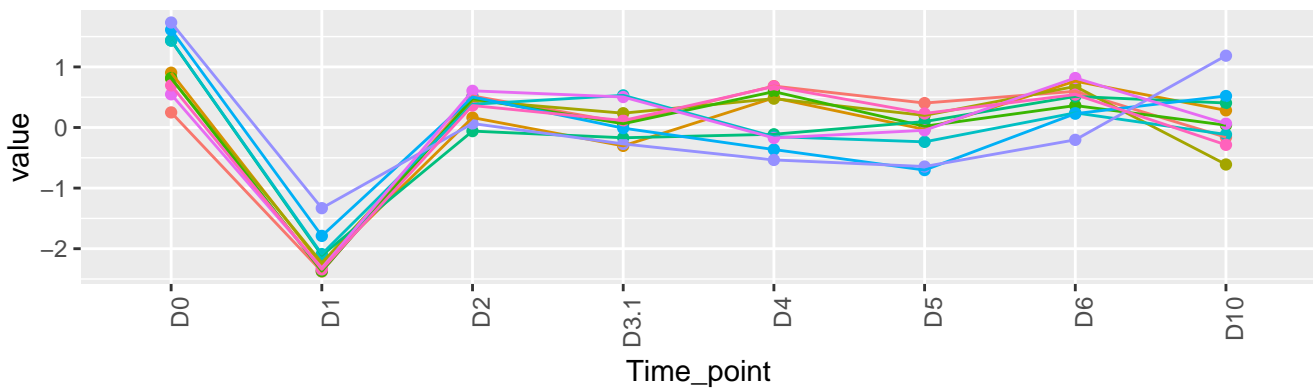
13 genes – KO-cluster-122-standardized



13 genes – WT-cluster-121-standardized

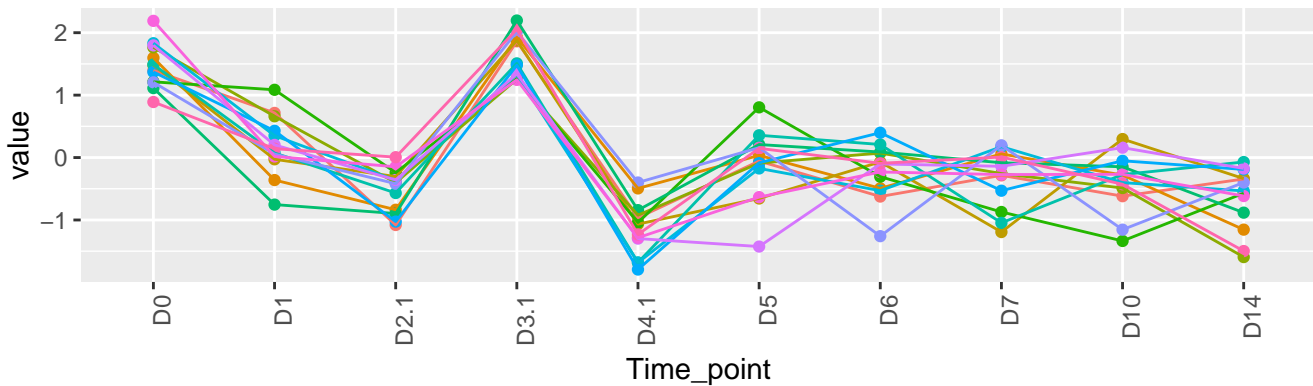


10 genes – KO-cluster-121-standardized

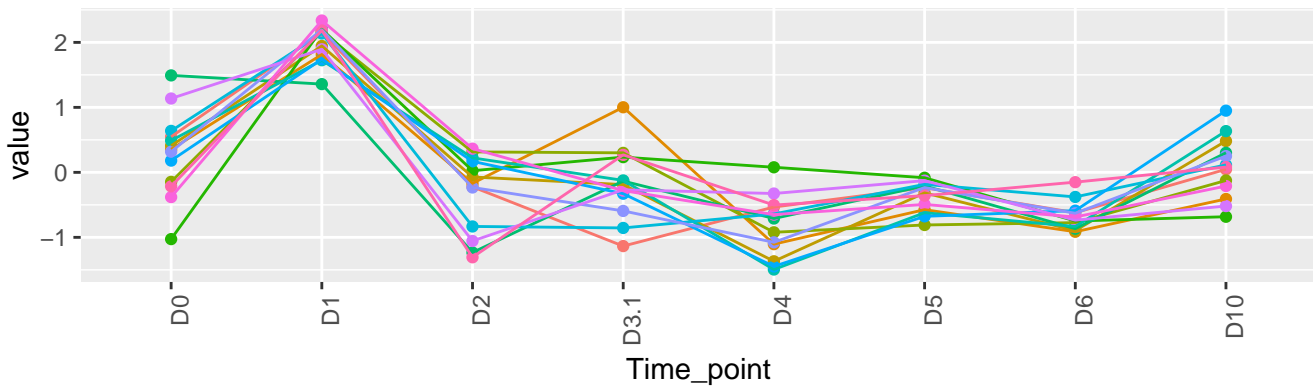




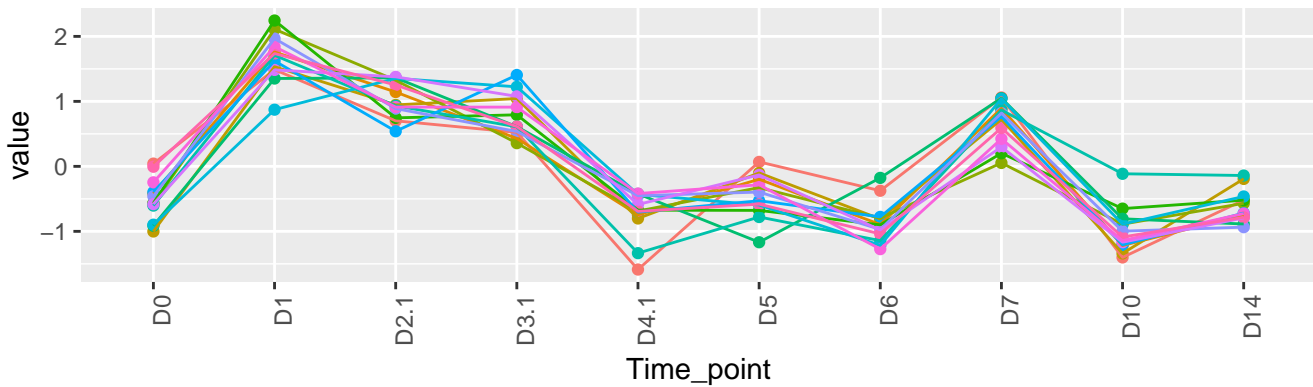
13 genes – WT-cluster-120-standardized



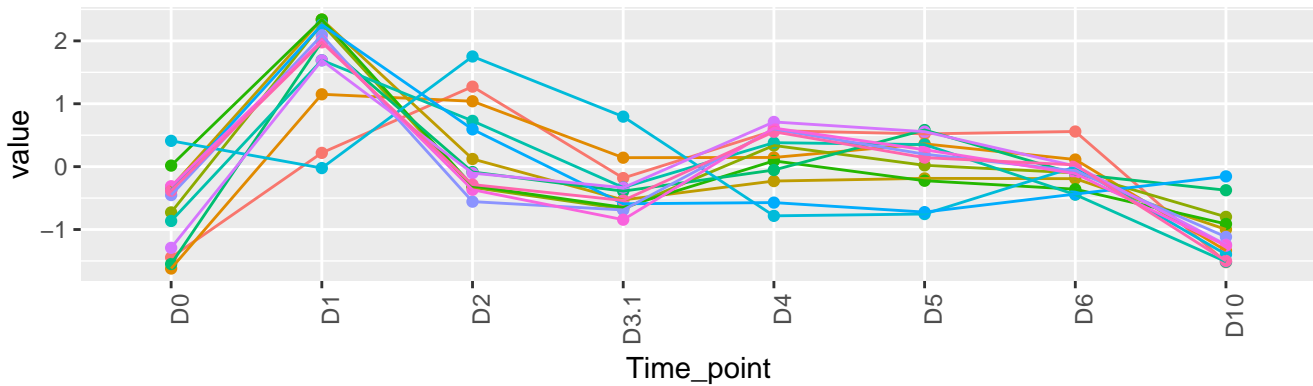
13 genes – KO-cluster-120-standardized



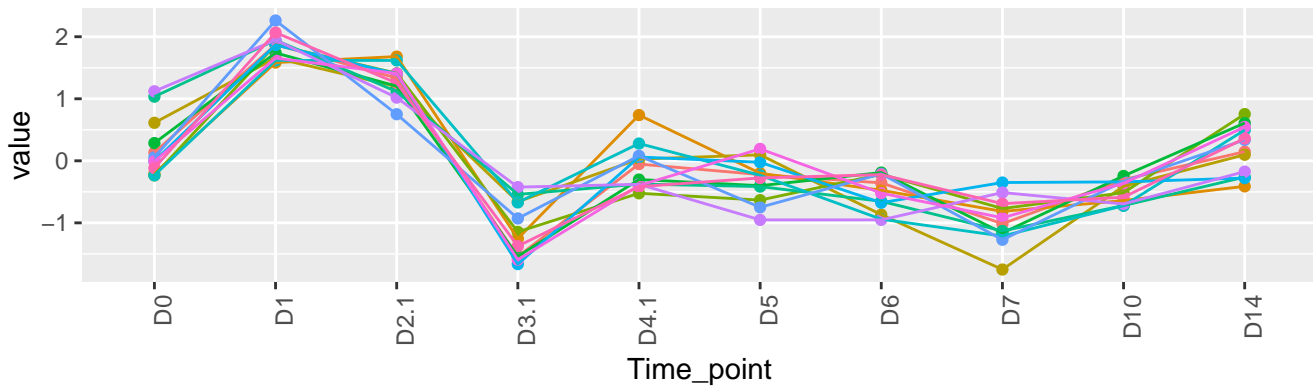
13 genes – WT-cluster-119-standardized



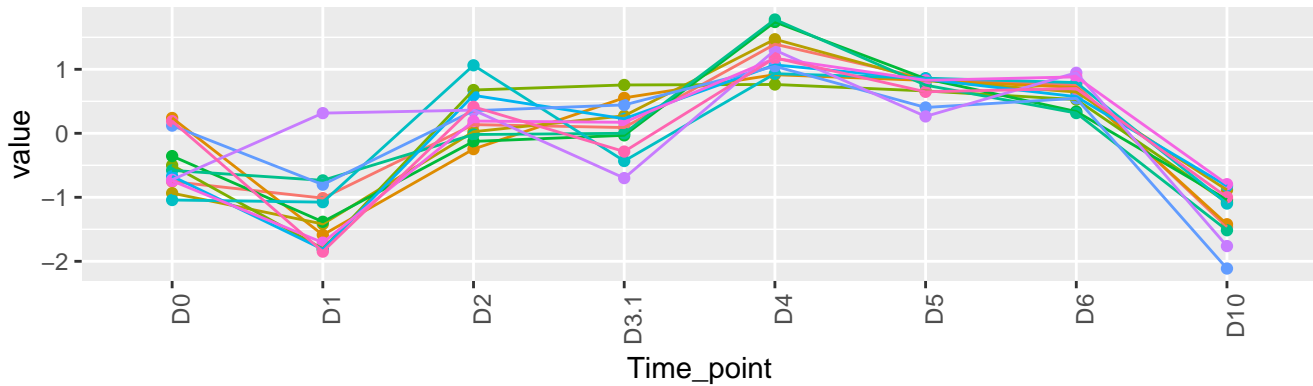
13 genes – KO-cluster-119-standardized



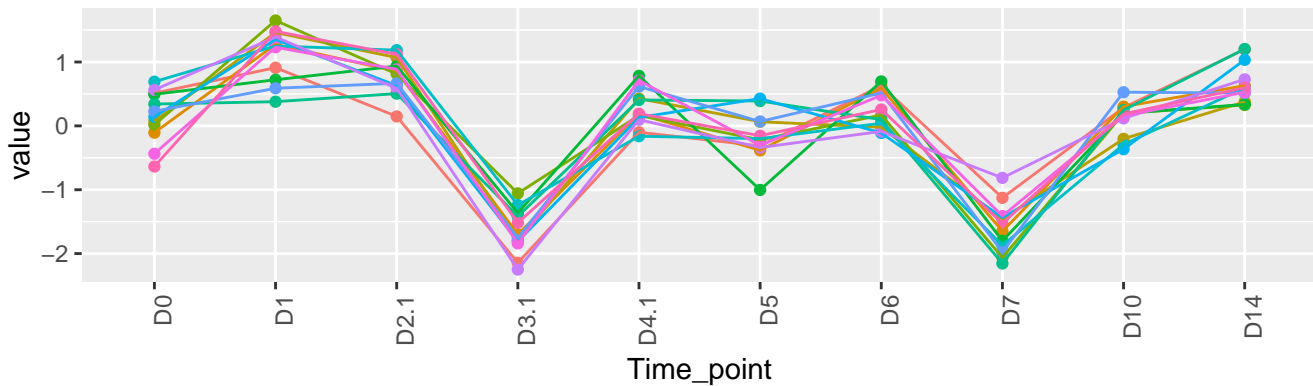
12 genes – WT-cluster-118-standardized



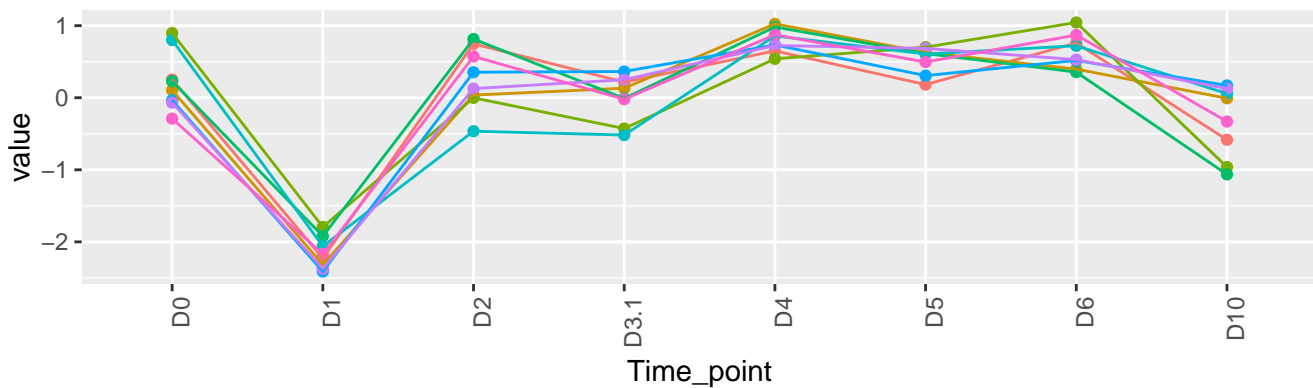
12 genes – KO-cluster-118-standardized



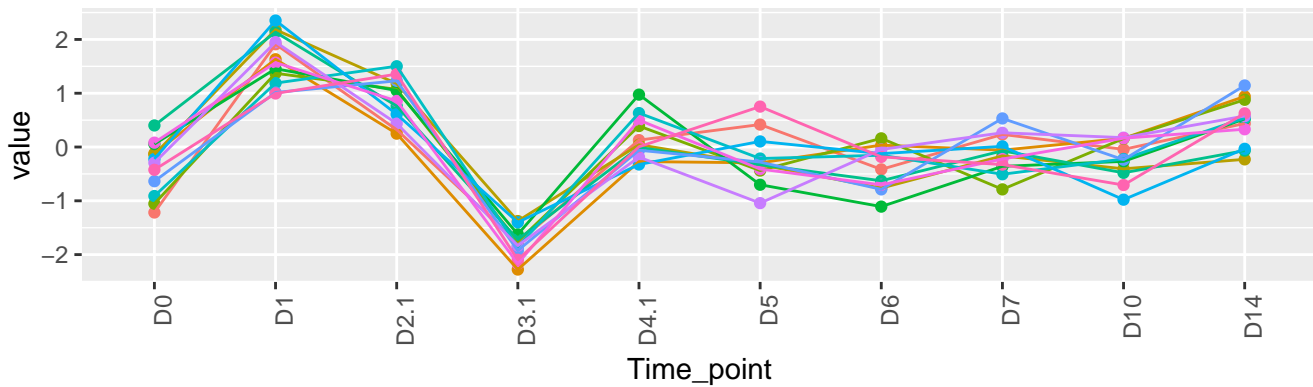
12 genes – WT-cluster-117-standardized



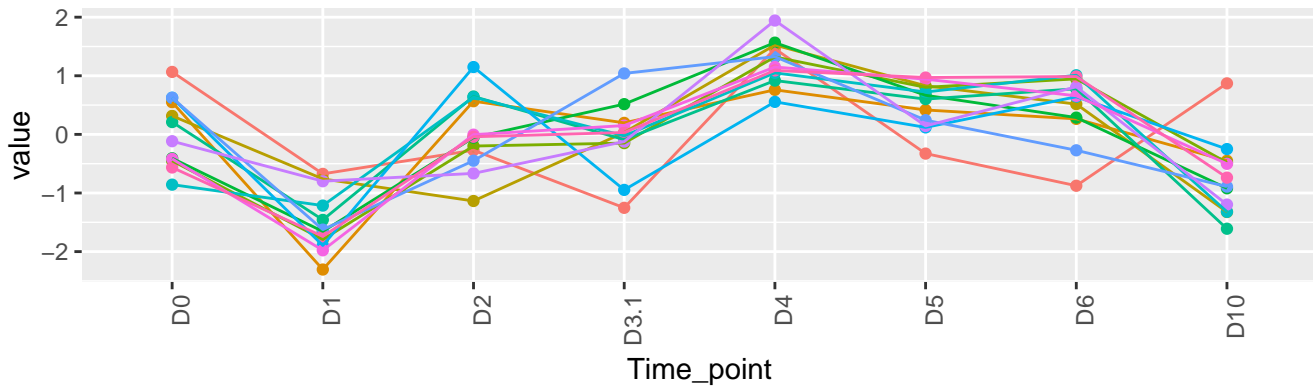
8 genes – KO-cluster-117-standardized



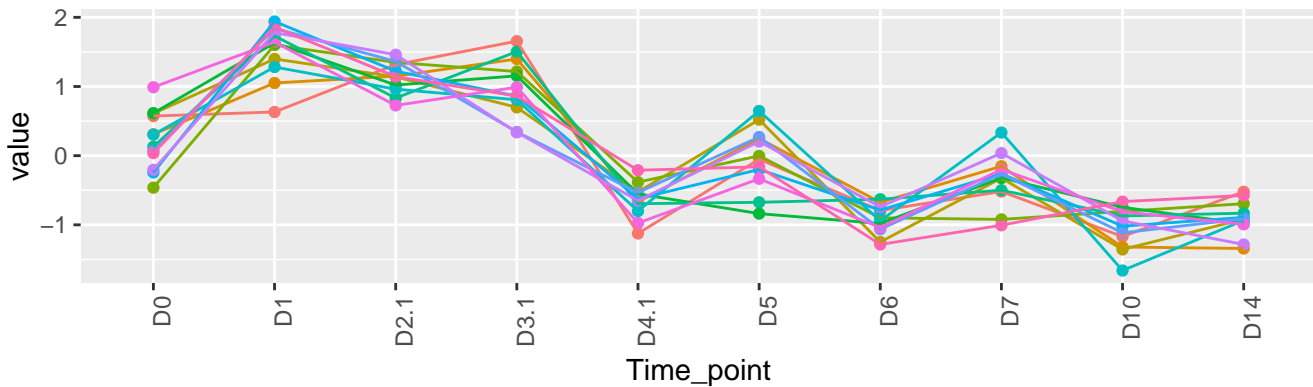
12 genes – WT-cluster-116-standardized



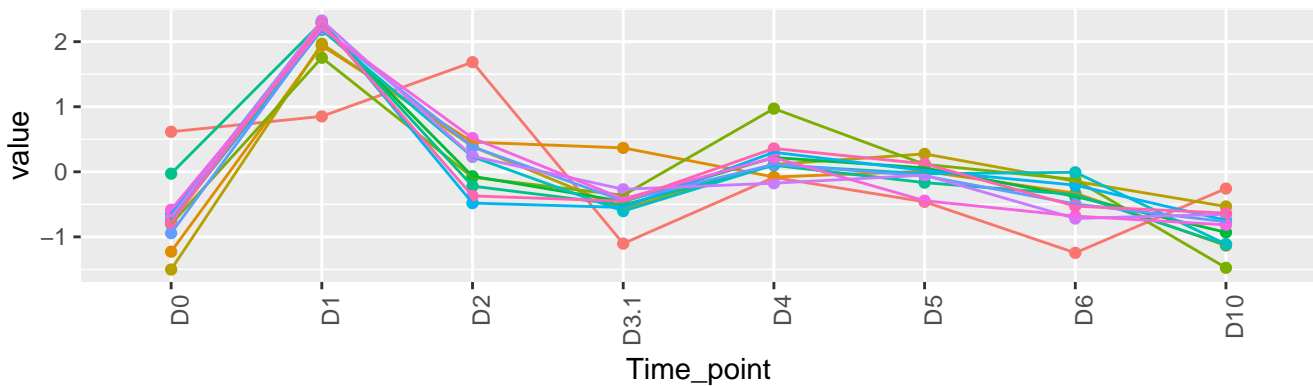
12 genes – KO-cluster-116-standardized



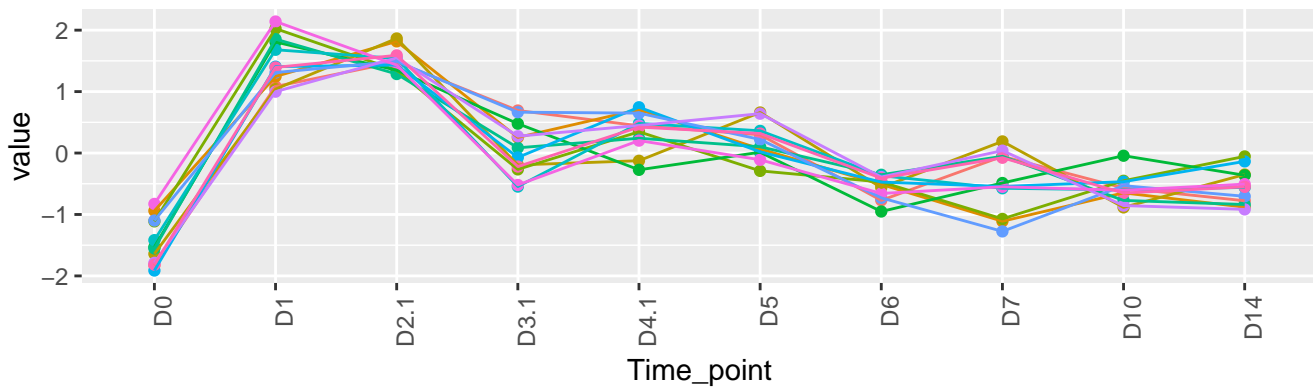
12 genes – WT-cluster-115-standardized



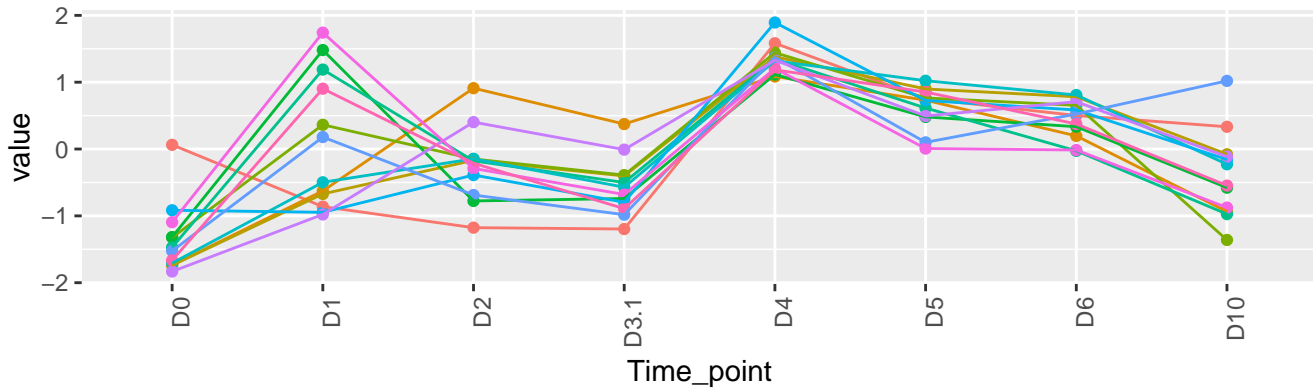
12 genes – KO-cluster-115-standardized



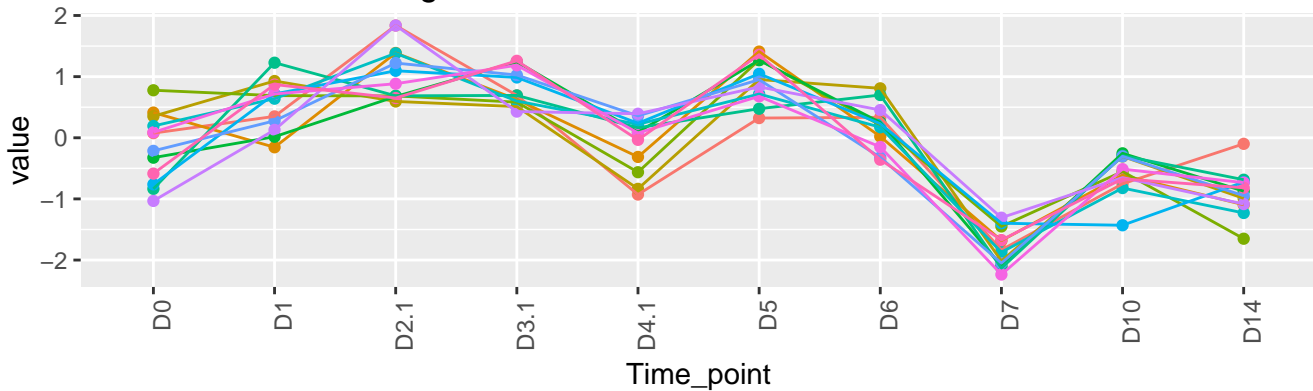
12 genes – WT-cluster-114-standardized



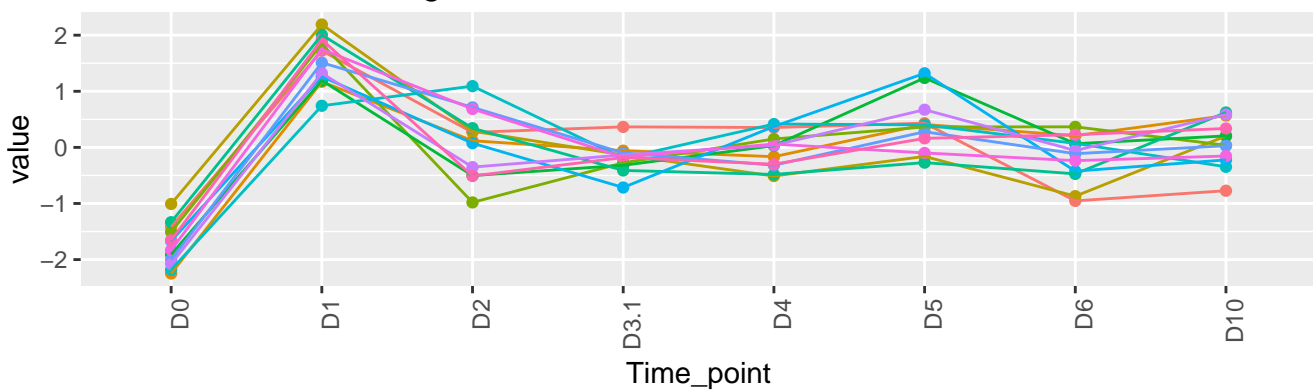
12 genes – KO-cluster-114-standardized



12 genes – WT-cluster-113-standardized

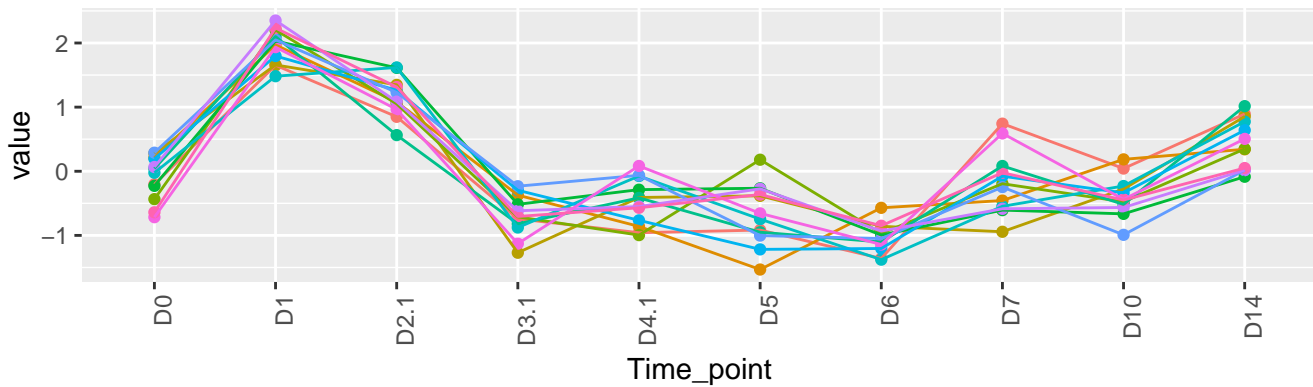


12 genes – KO-cluster-113-standardized

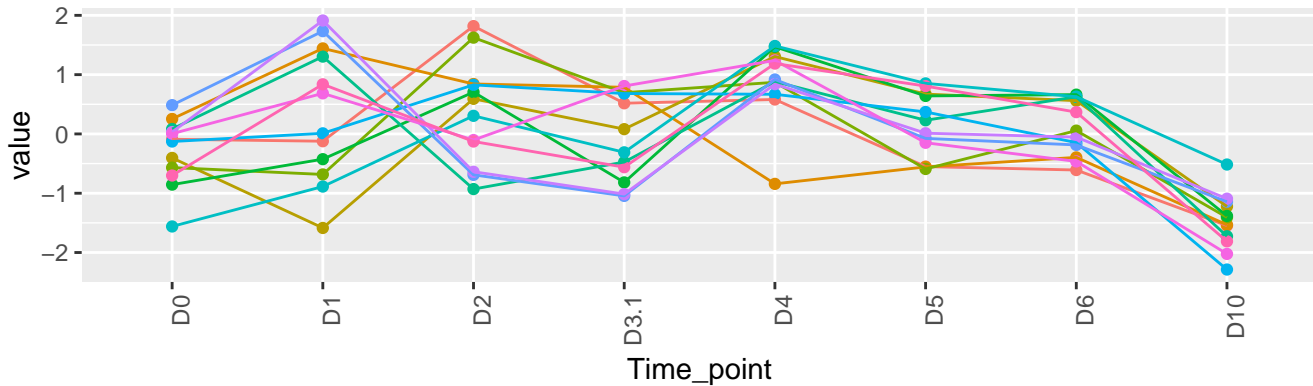




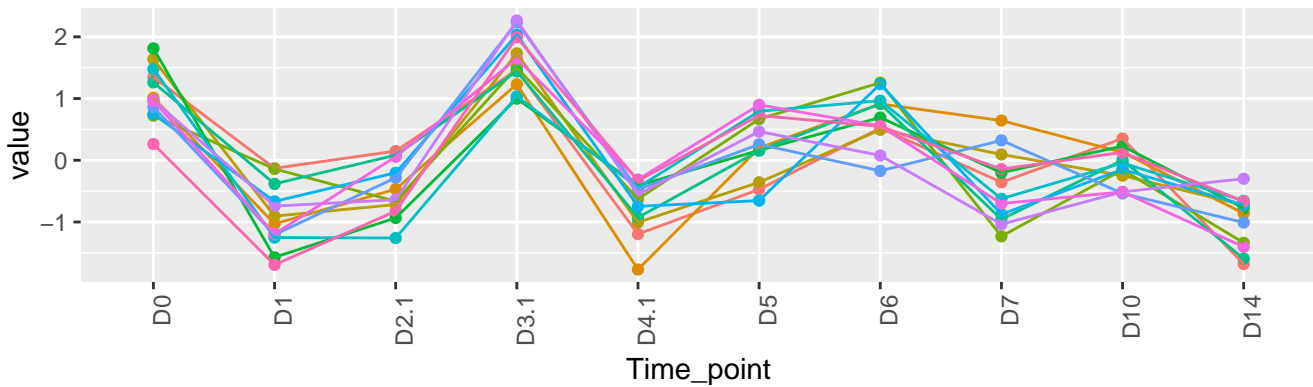
12 genes – WT-cluster-112-standardized



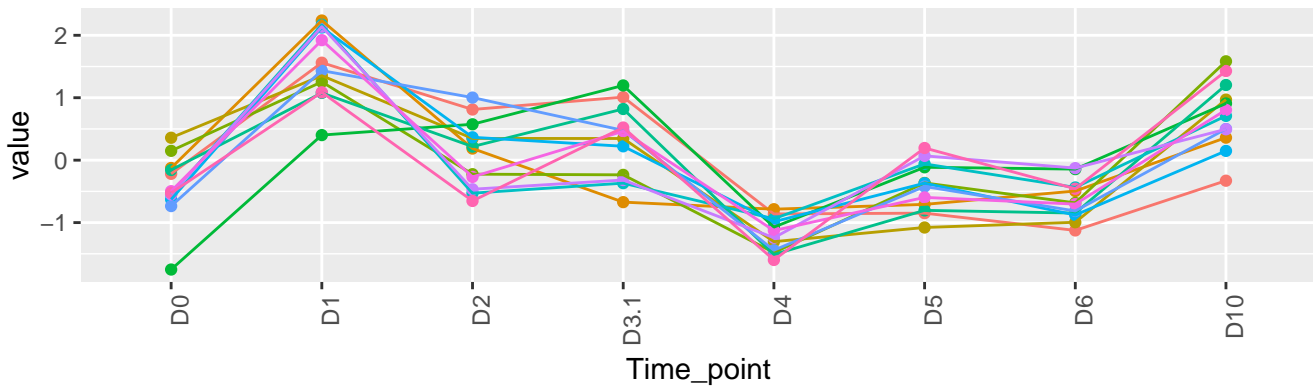
12 genes – KO-cluster-112-standardized



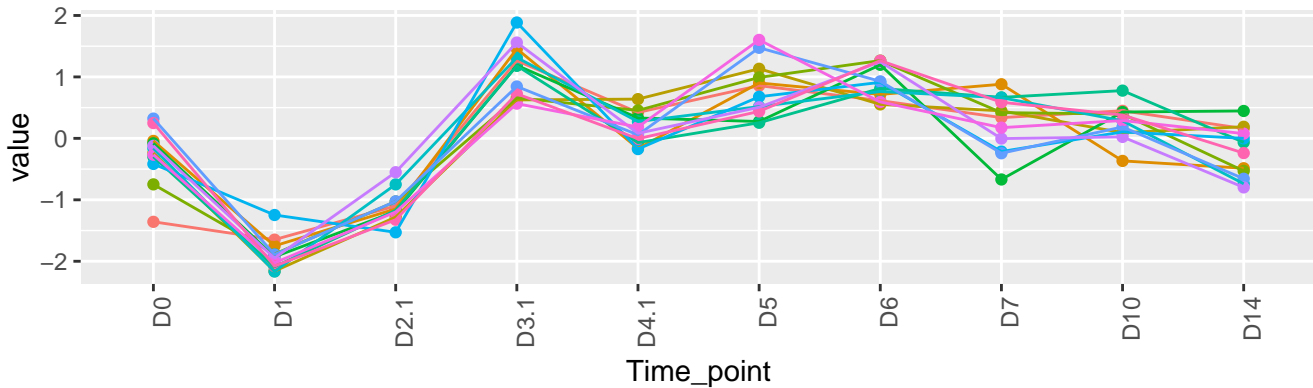
12 genes – WT-cluster-111-standardized



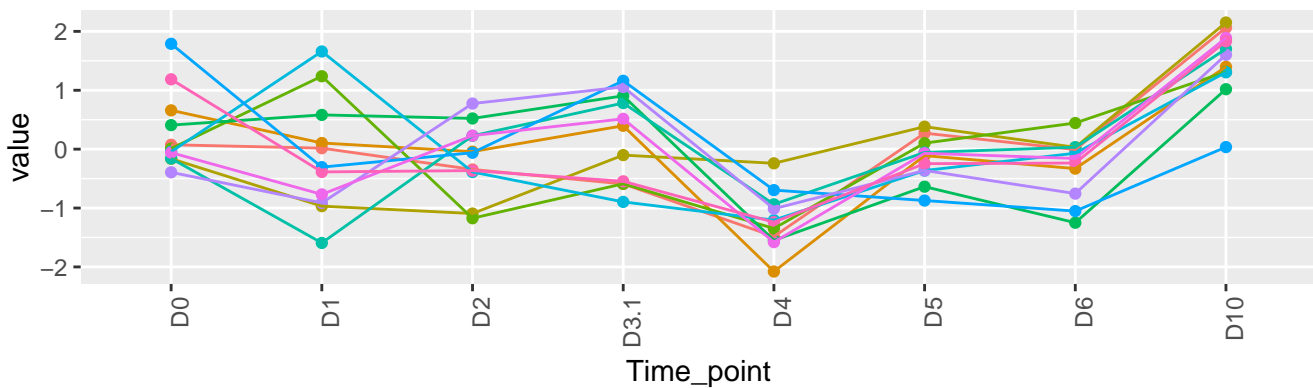
12 genes – KO-cluster-111-standardized



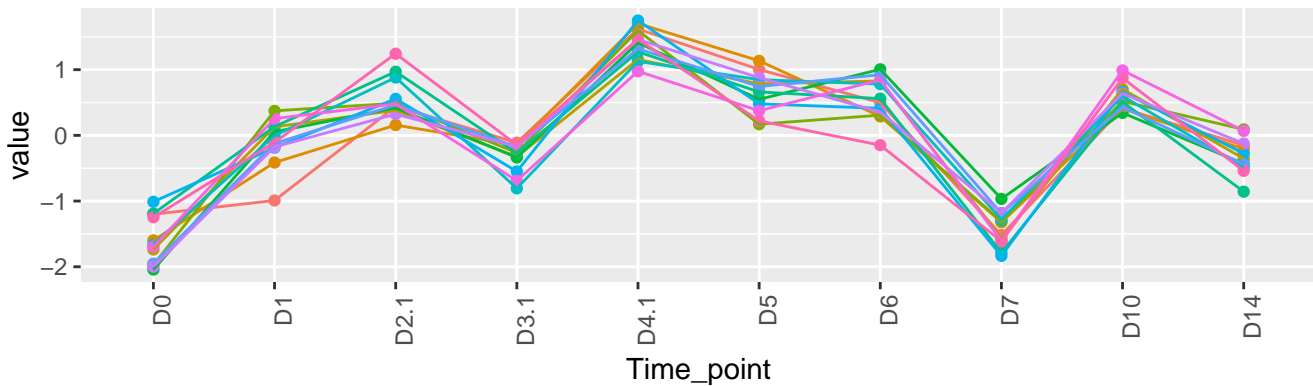
12 genes – WT-cluster-110-standardized



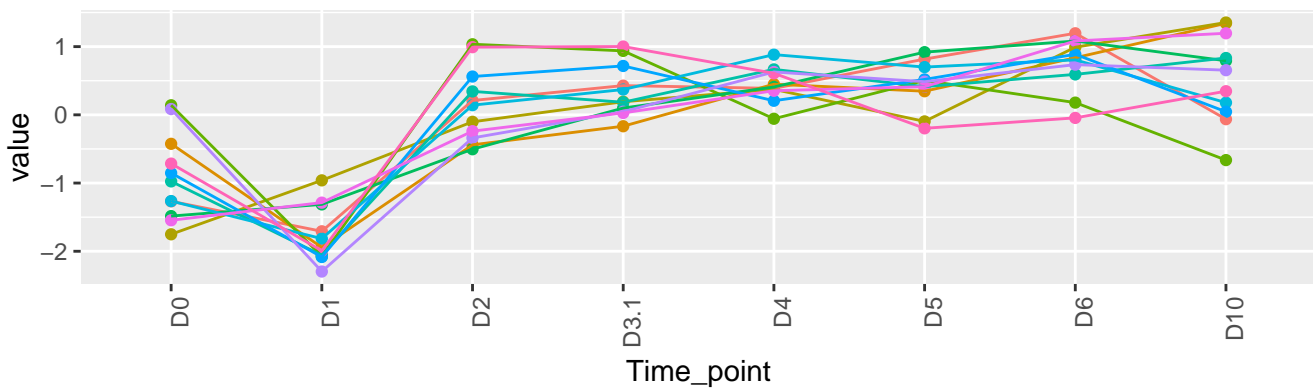
11 genes – KO-cluster-110-standardized



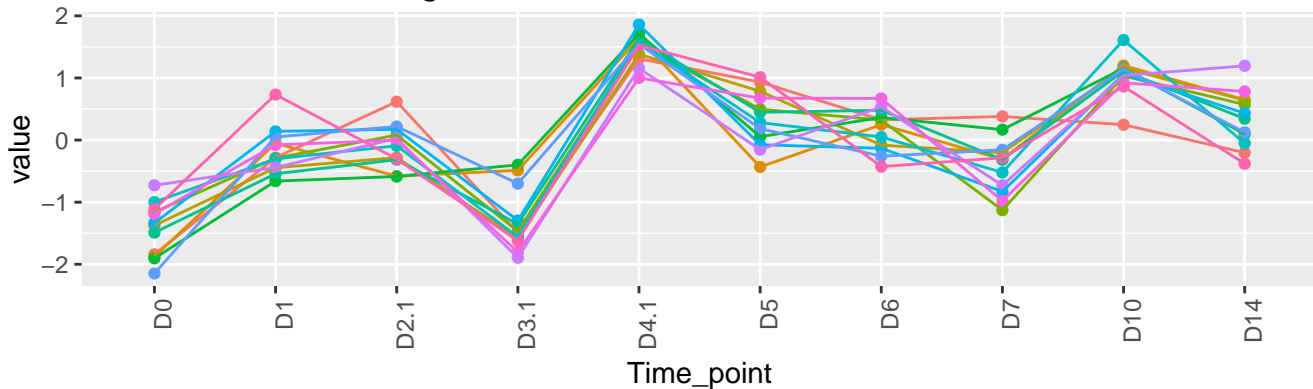
12 genes – WT-cluster-109-standardized



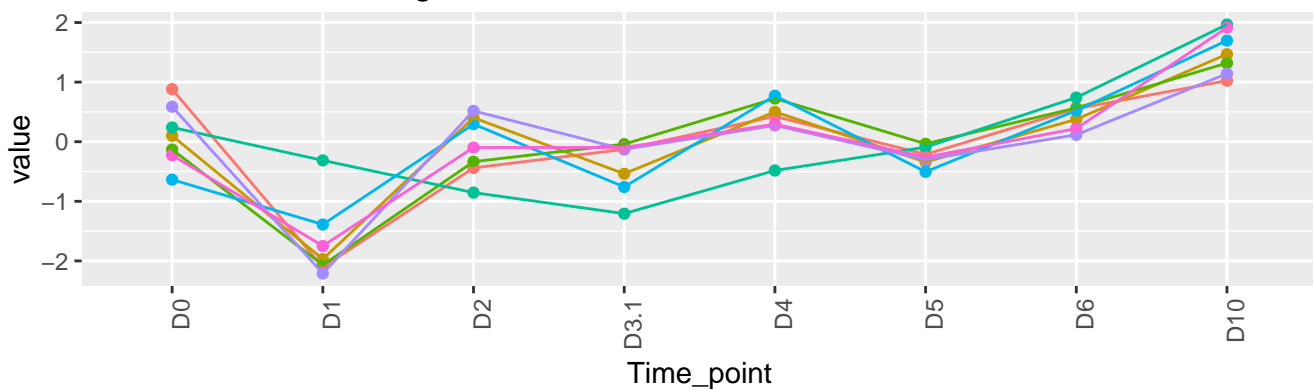
11 genes – KO-cluster-109-standardized



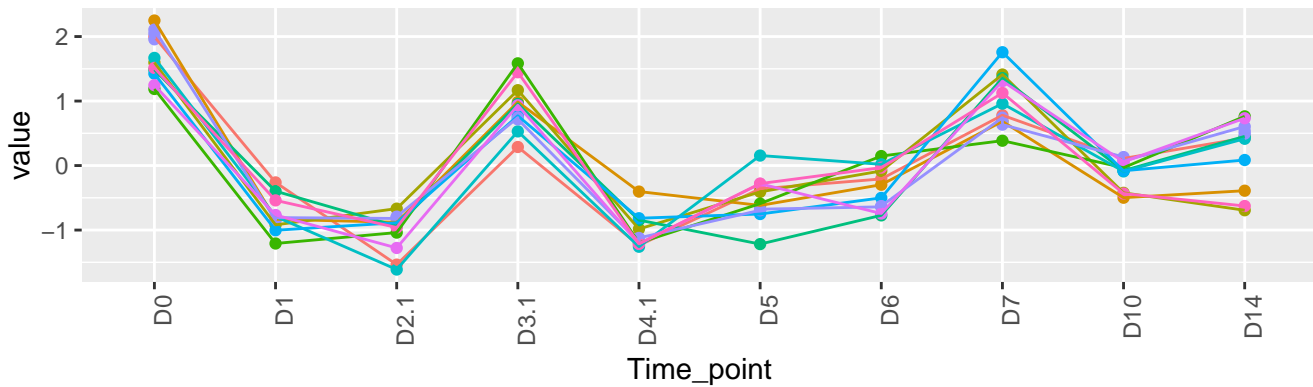
12 genes – WT-cluster-108-standardized



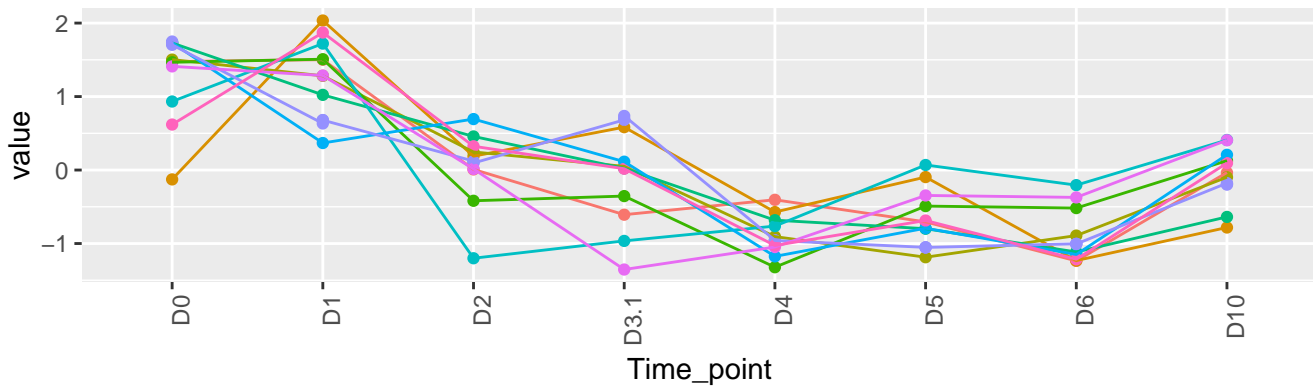
7 genes – KO-cluster-108-standardized



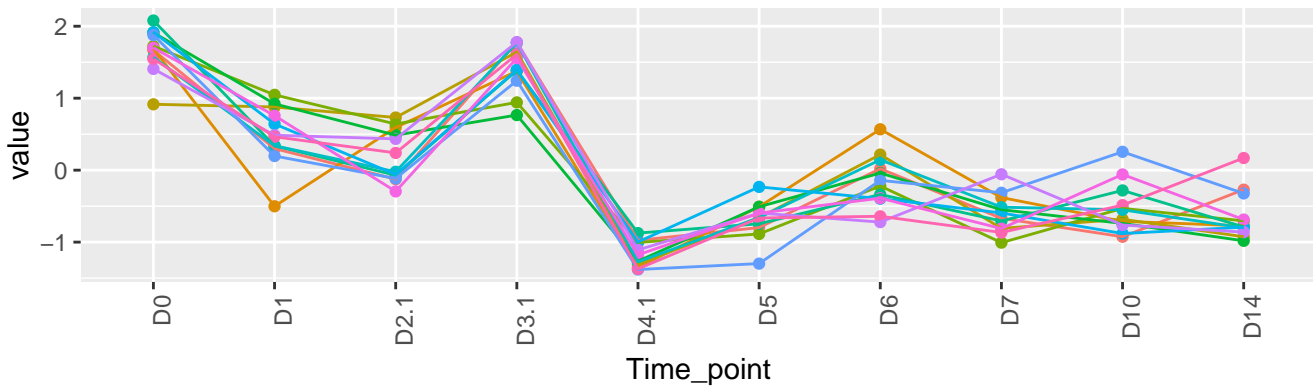
12 genes – WT-cluster-107-standardized



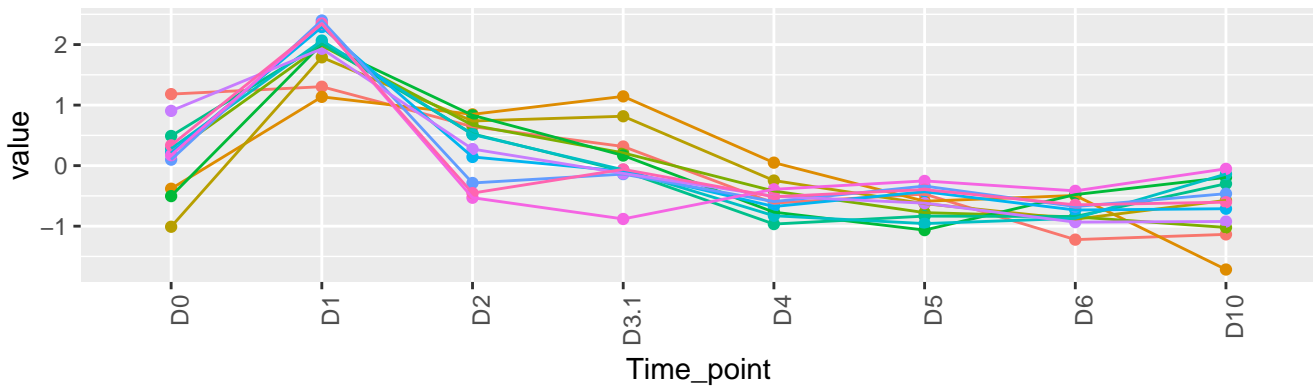
12 genes – KO-cluster-107-standardized



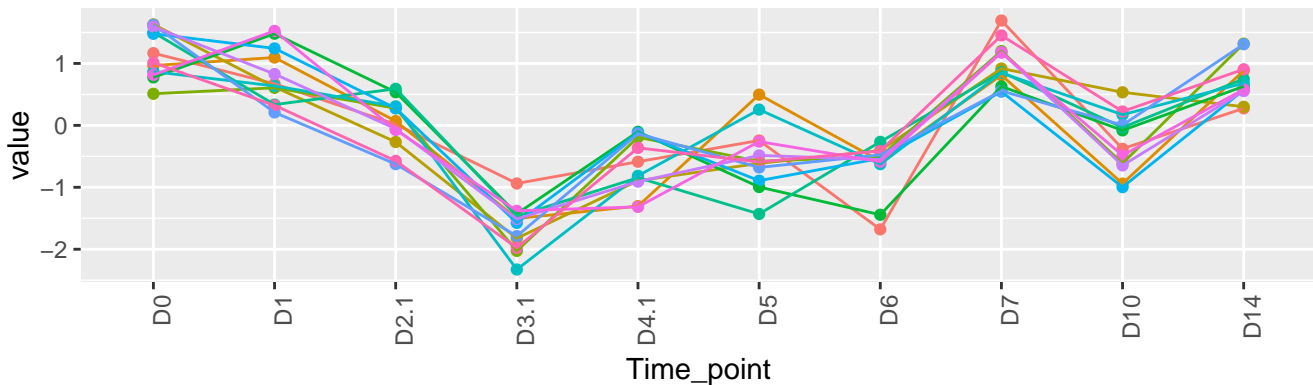
12 genes – WT-cluster-106-standardized



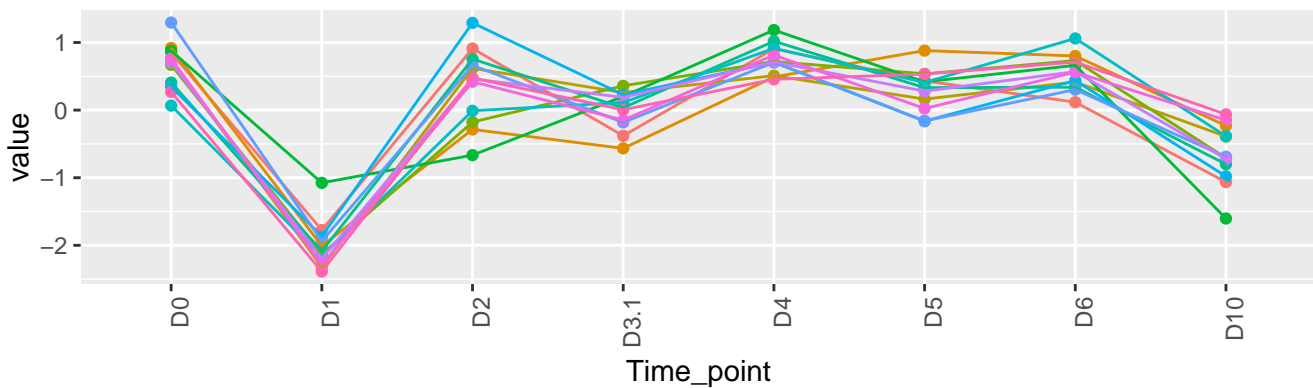
12 genes – KO-cluster-106-standardized



12 genes – WT-cluster-105-standardized

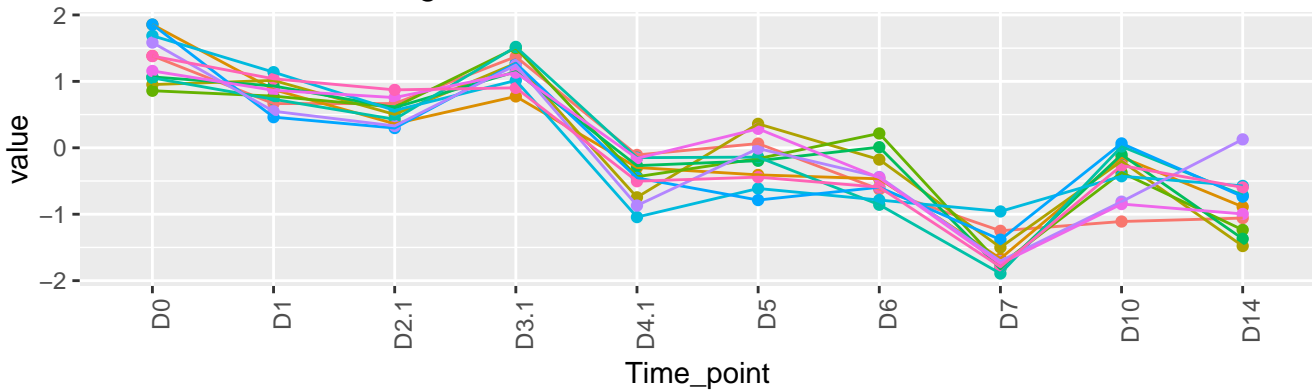


12 genes – KO-cluster-105-standardized

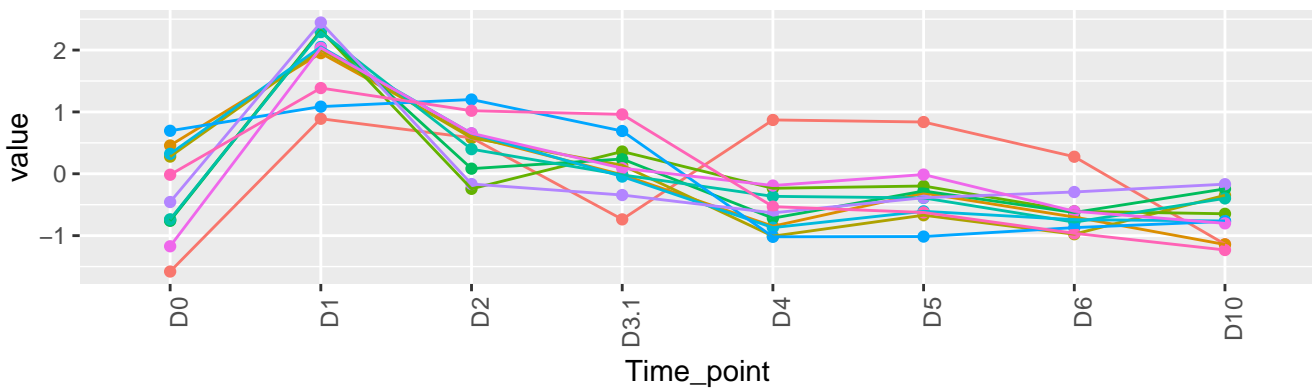




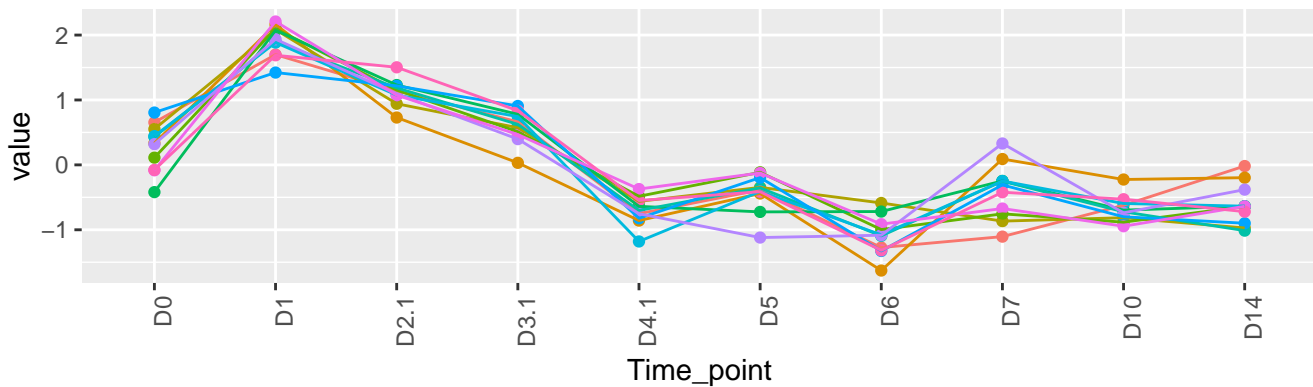
11 genes – WT-cluster-104-standardized



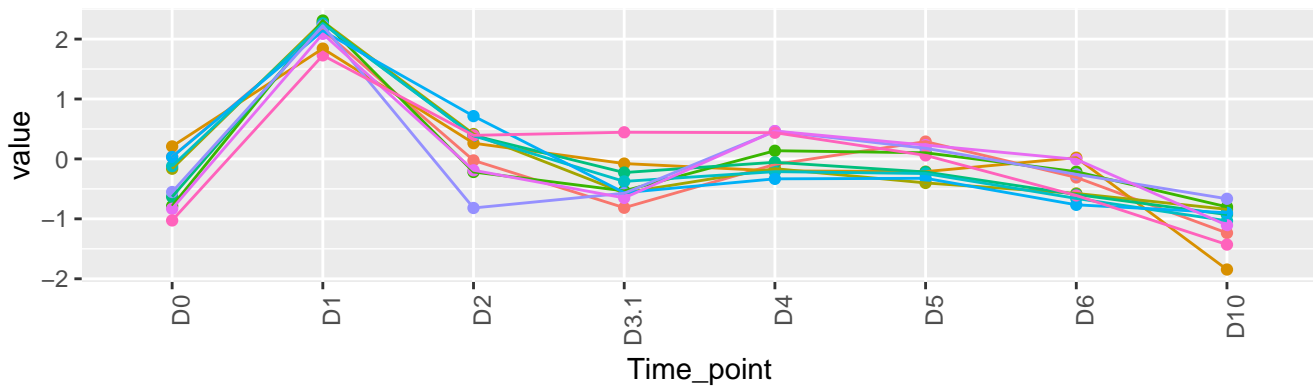
11 genes – KO-cluster-104-standardized



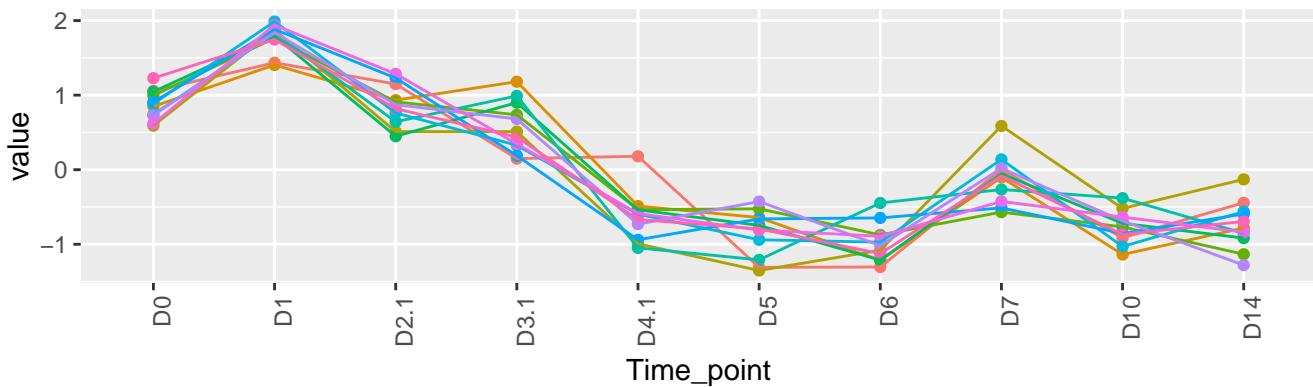
11 genes – WT-cluster-103-standardized



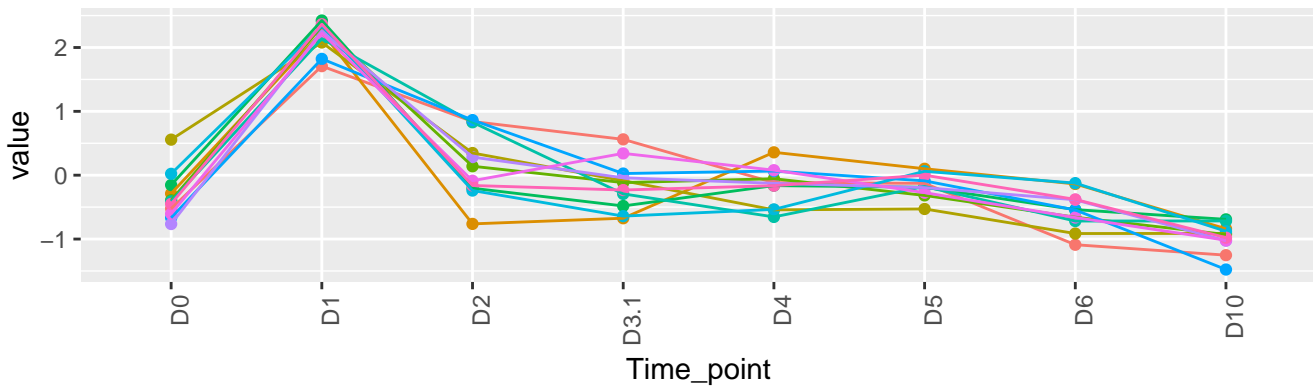
10 genes – KO-cluster-103-standardized



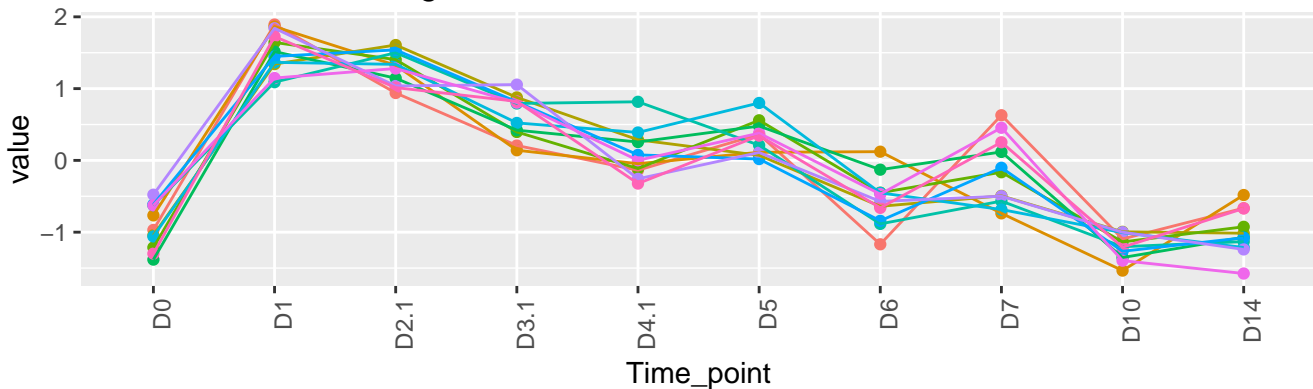
11 genes – WT-cluster-102-standardized



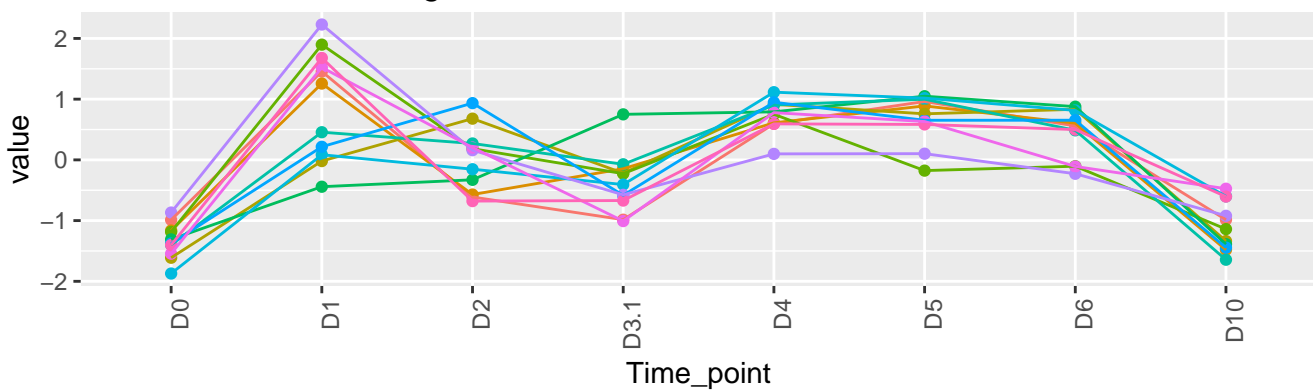
11 genes – KO-cluster-102-standardized



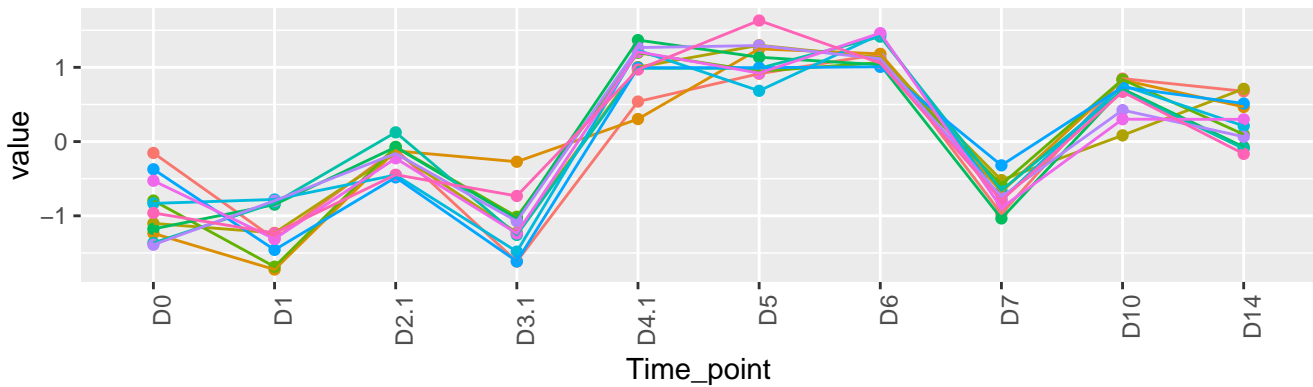
11 genes – WT-cluster-101-standardized



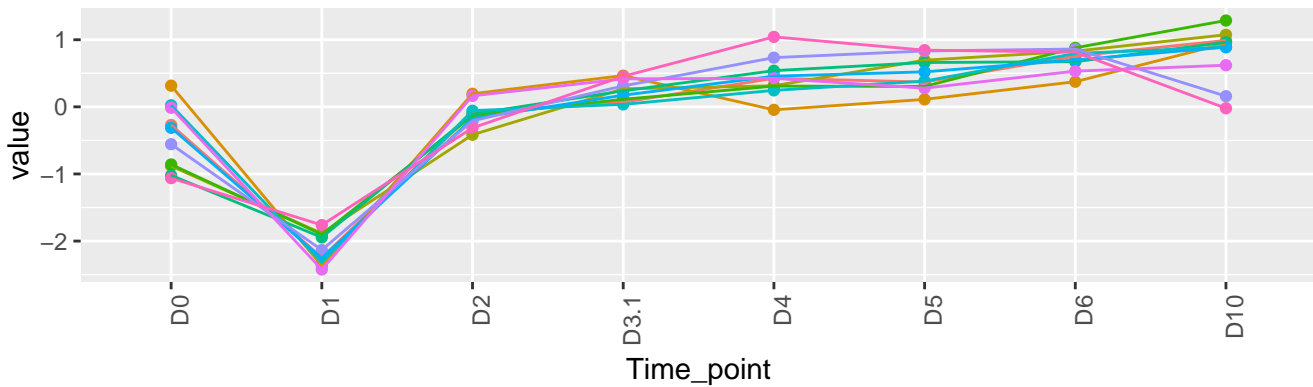
11 genes – KO-cluster-101-standardized



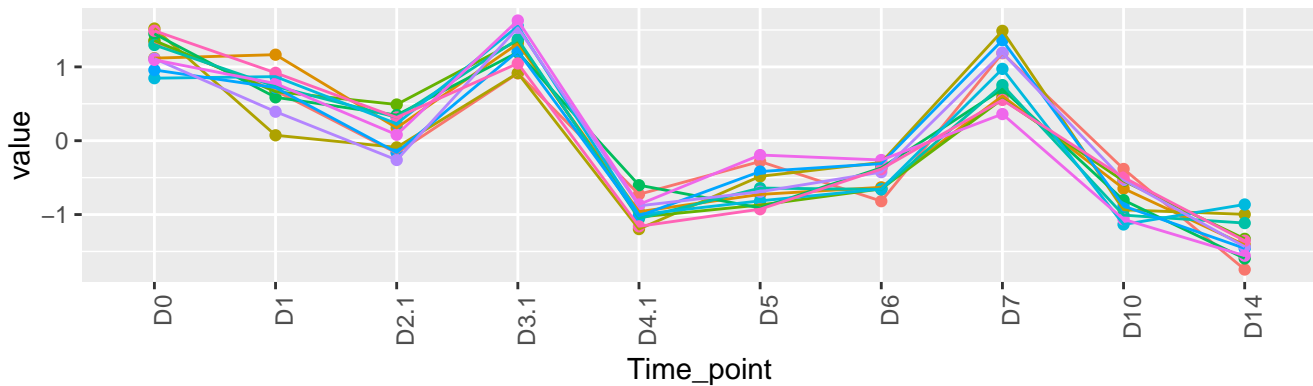
11 genes – WT-cluster-100-standardized



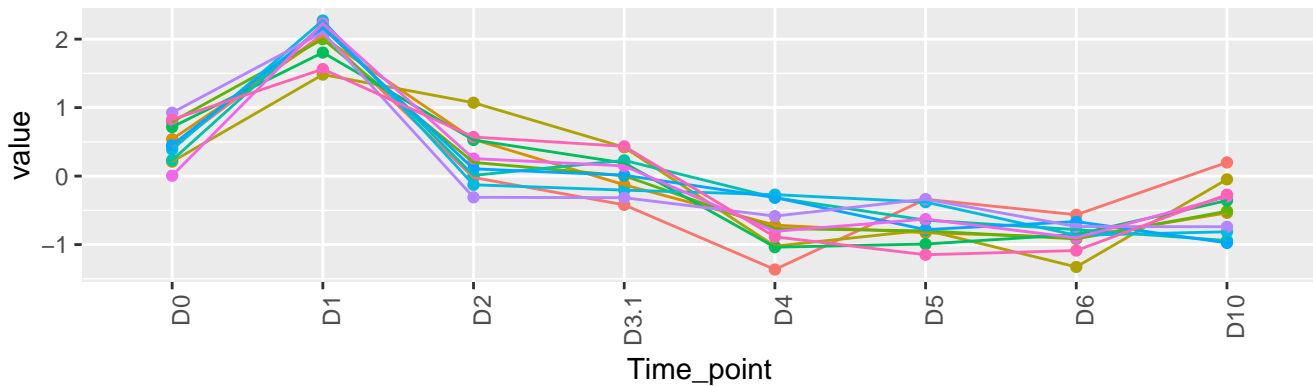
10 genes – KO-cluster-100-standardized



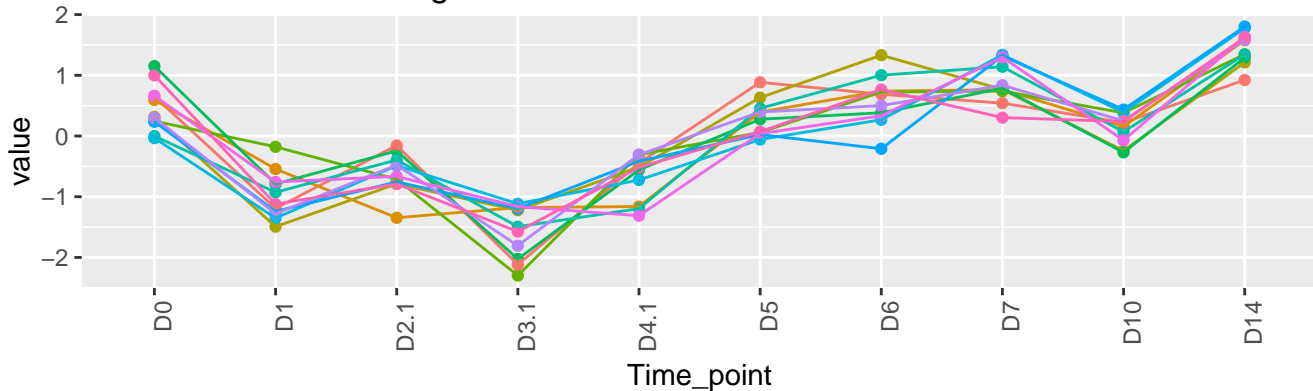
11 genes – WT-cluster-99-standardized



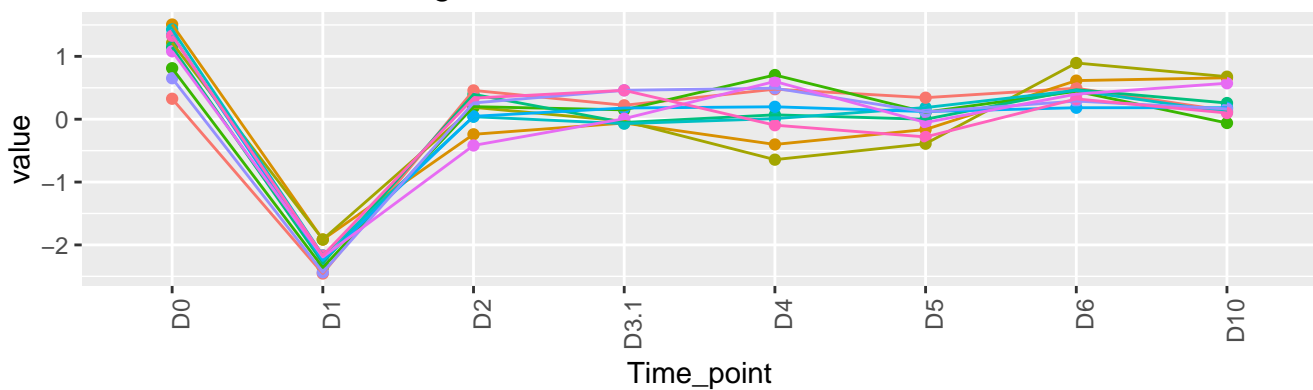
11 genes – KO-cluster-99-standardized



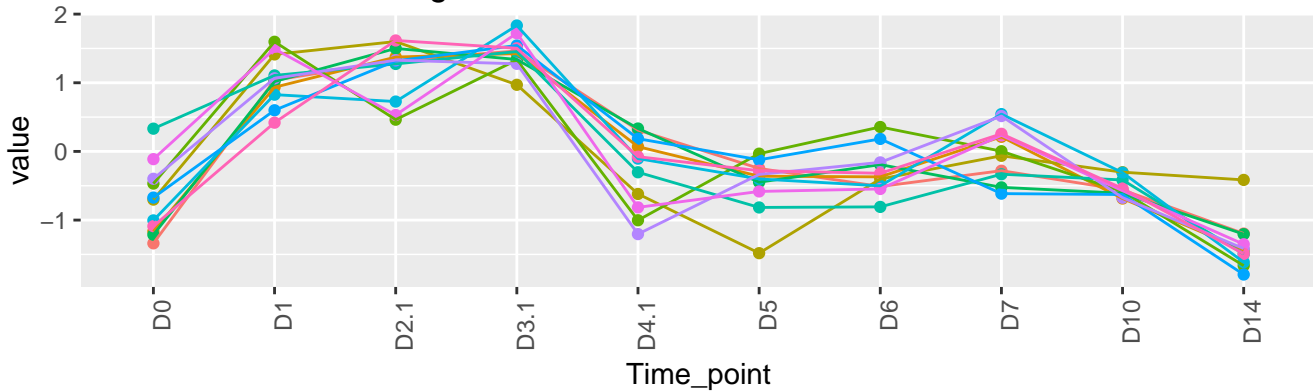
11 genes – WT-cluster-98-standardized



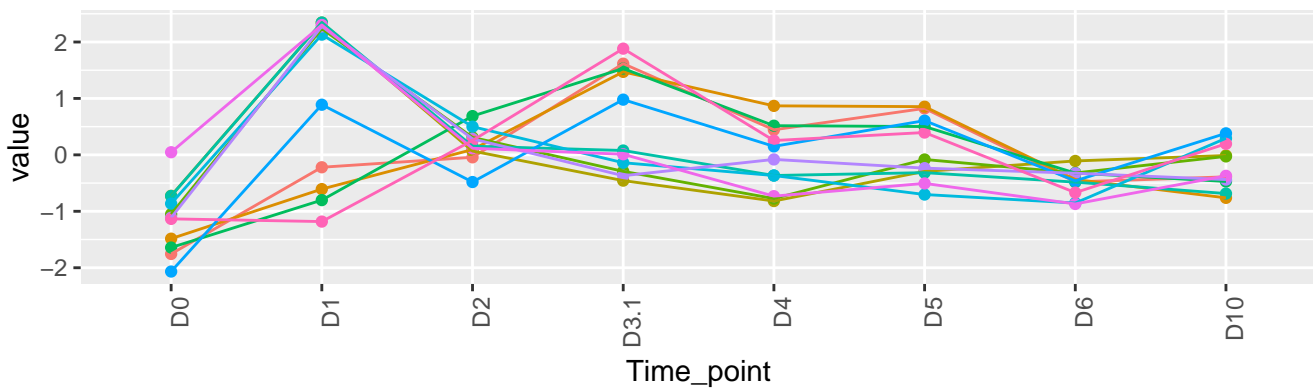
10 genes – KO-cluster-98-standardized



11 genes – WT-cluster-97-standardized

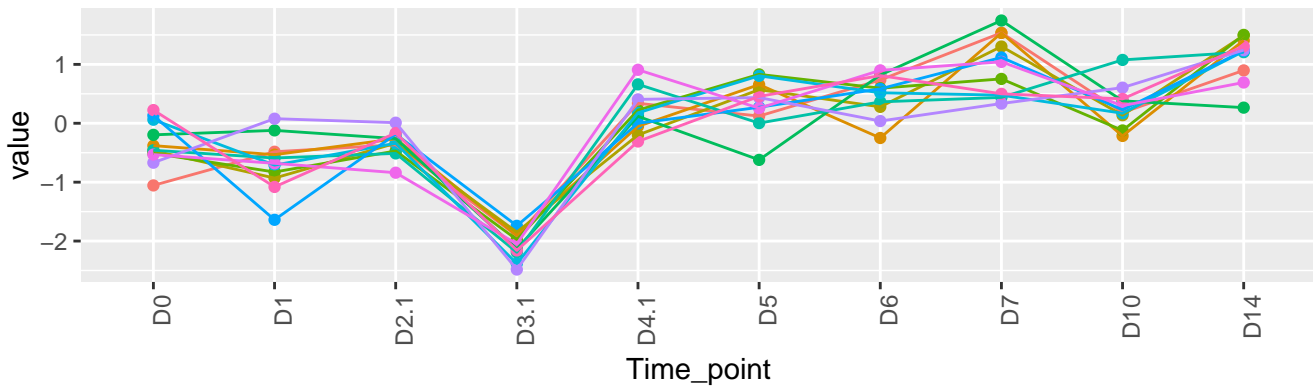


11 genes – KO-cluster-97-standardized

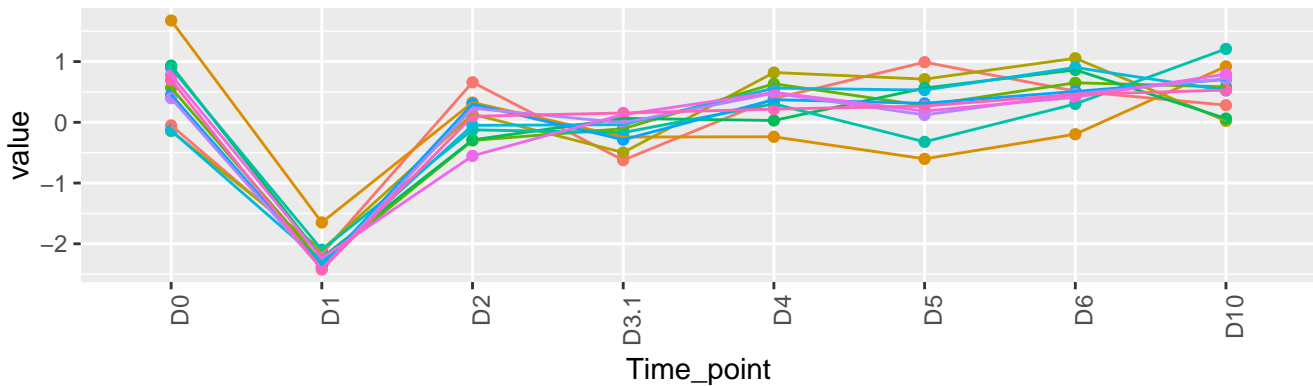




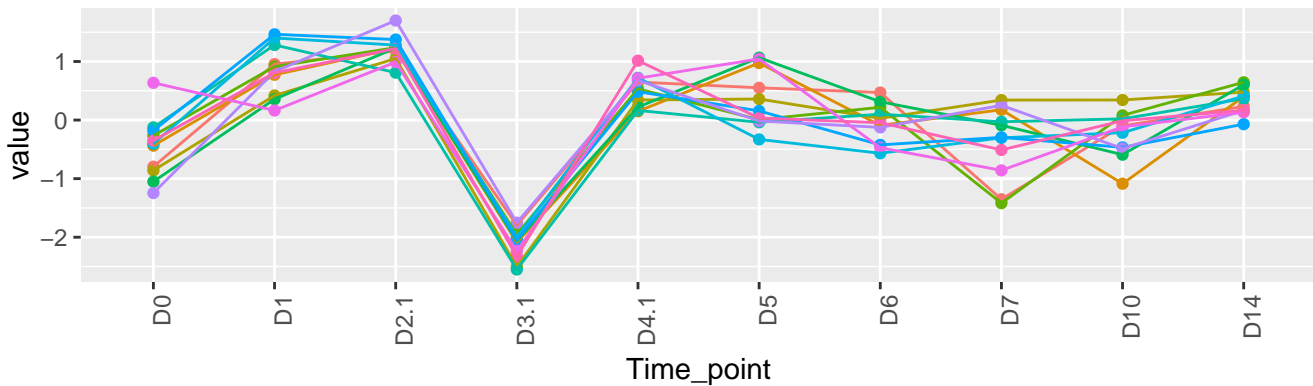
11 genes – WT-cluster-96-standardized



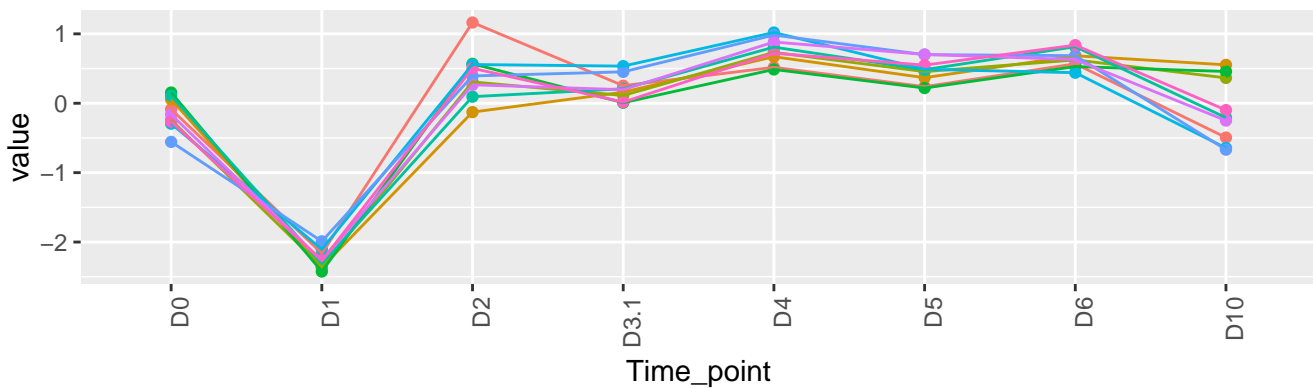
11 genes – KO-cluster-96-standardized



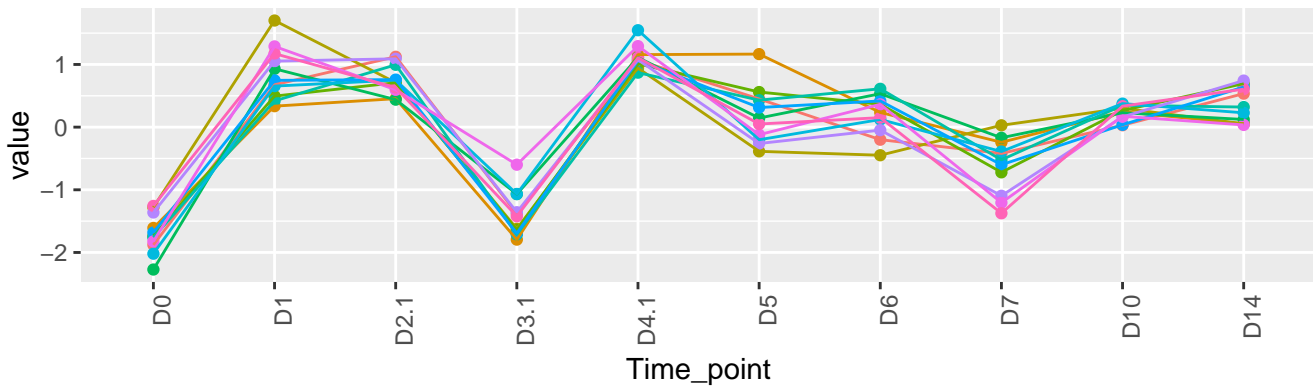
11 genes – WT-cluster-95-standardized



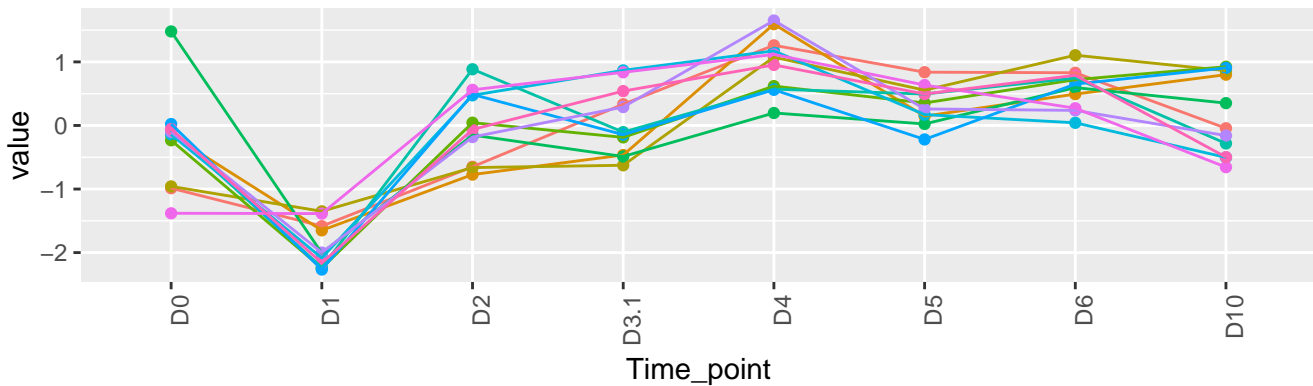
9 genes – KO-cluster-95-standardized



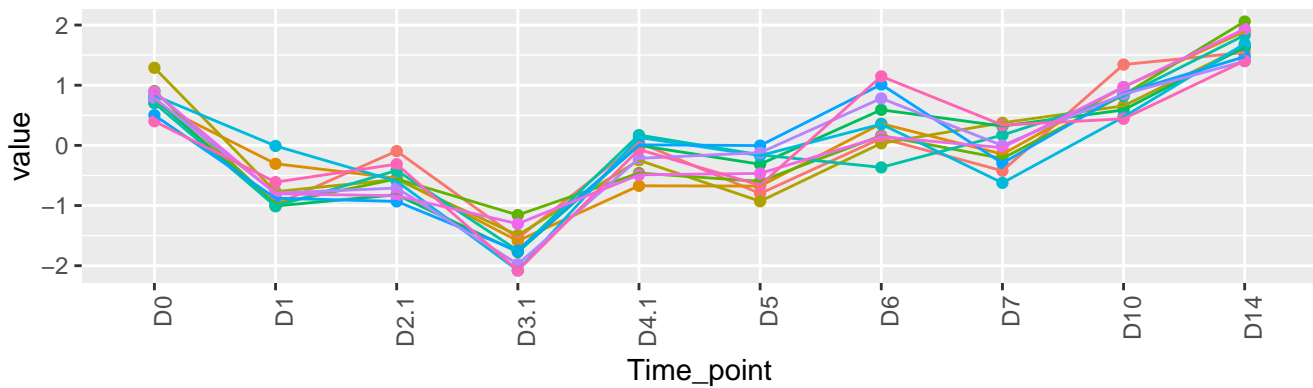
11 genes – WT-cluster-94-standardized



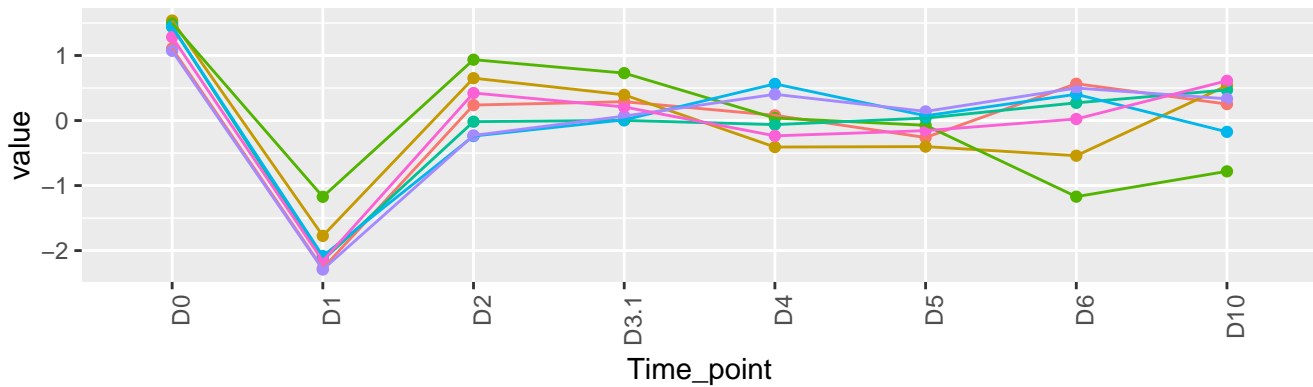
11 genes – KO-cluster-94-standardized



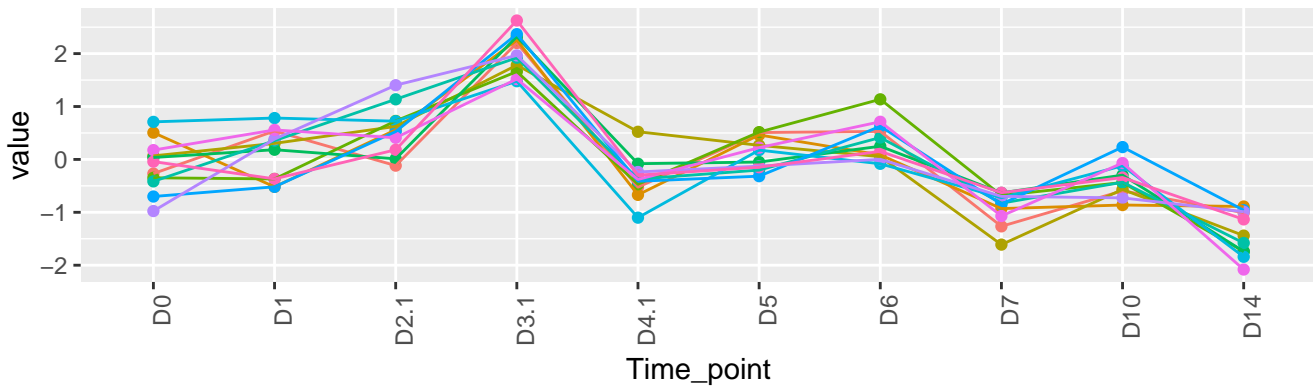
11 genes – WT-cluster-93-standardized



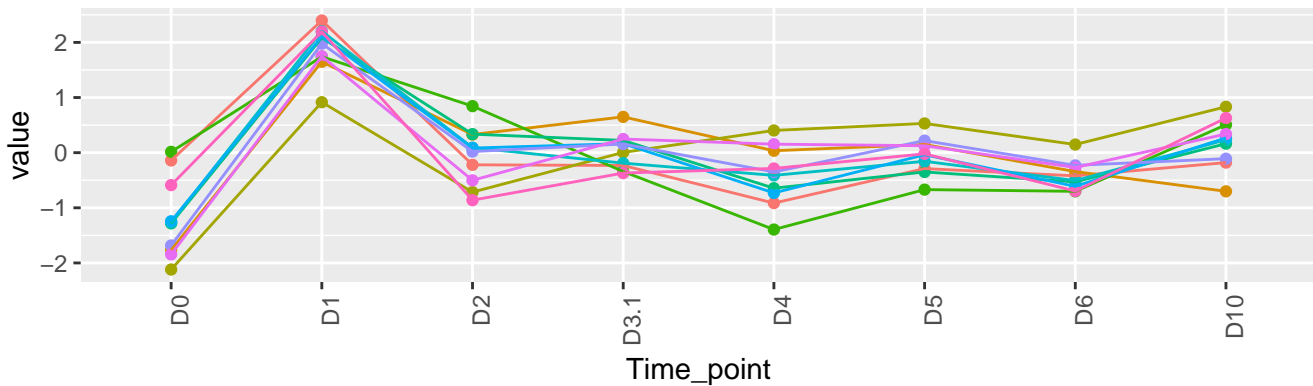
7 genes – KO-cluster-93-standardized



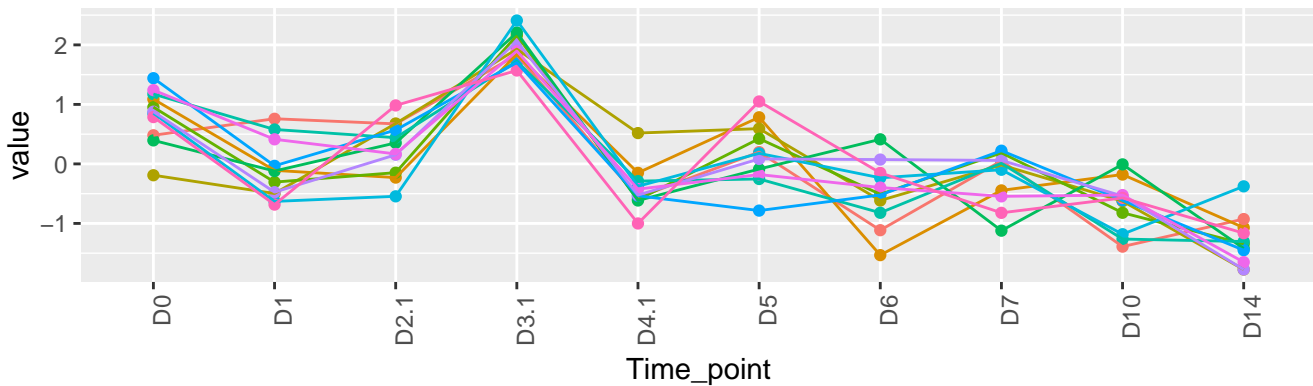
11 genes – WT-cluster-92-standardized



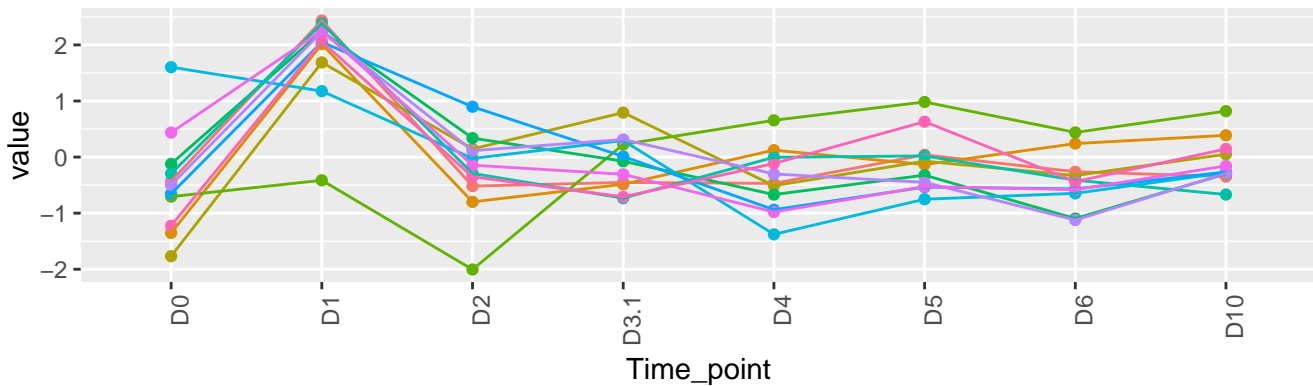
10 genes – KO-cluster-92-standardized



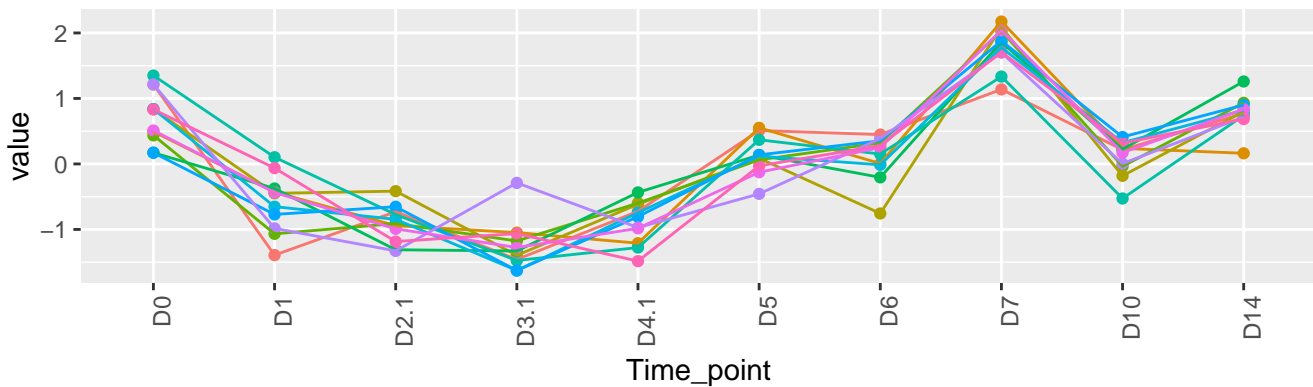
11 genes – WT-cluster-91-standardized



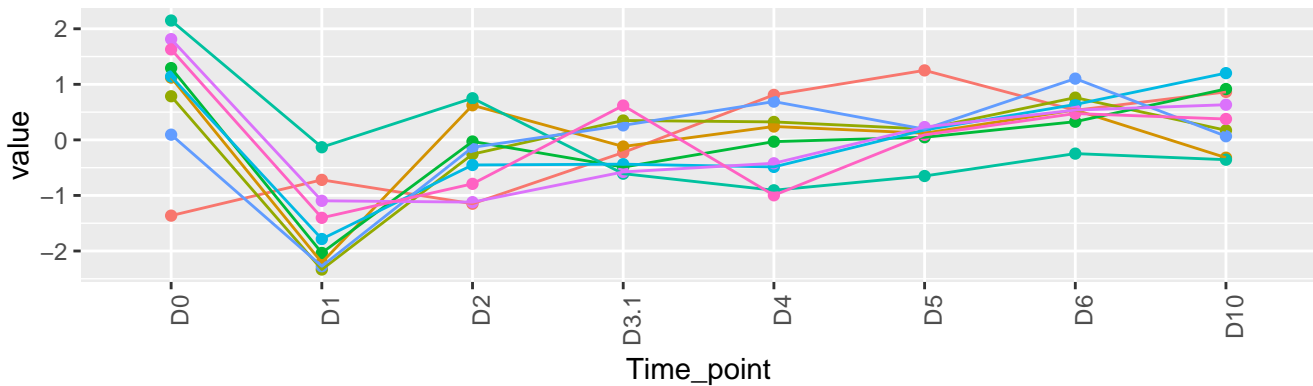
11 genes – KO-cluster-91-standardized



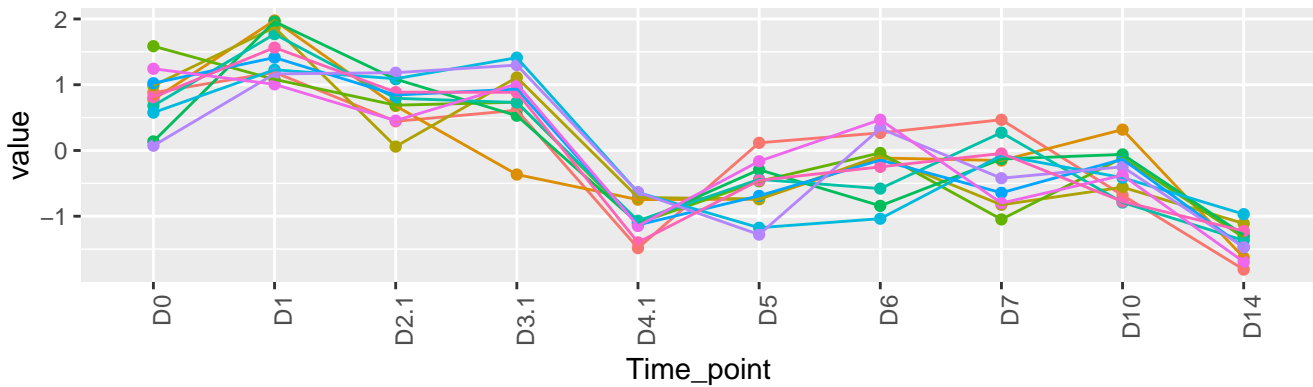
11 genes – WT-cluster-90-standardized



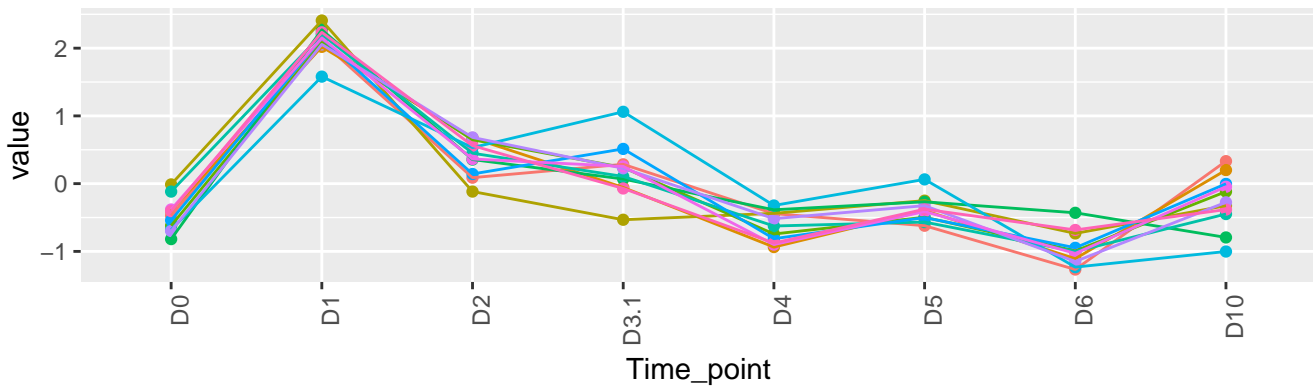
9 genes – KO-cluster-90-standardized



11 genes – WT-cluster-89-standardized

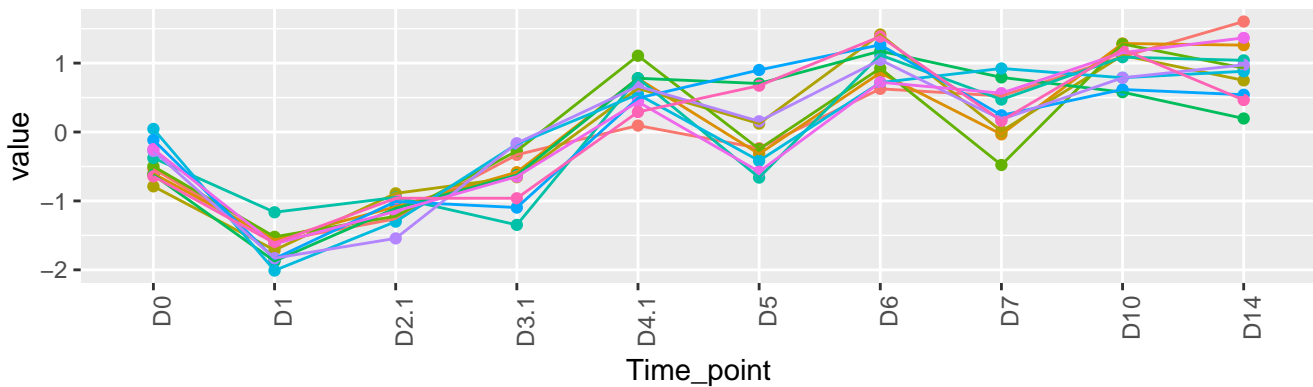


11 genes – KO-cluster-89-standardized

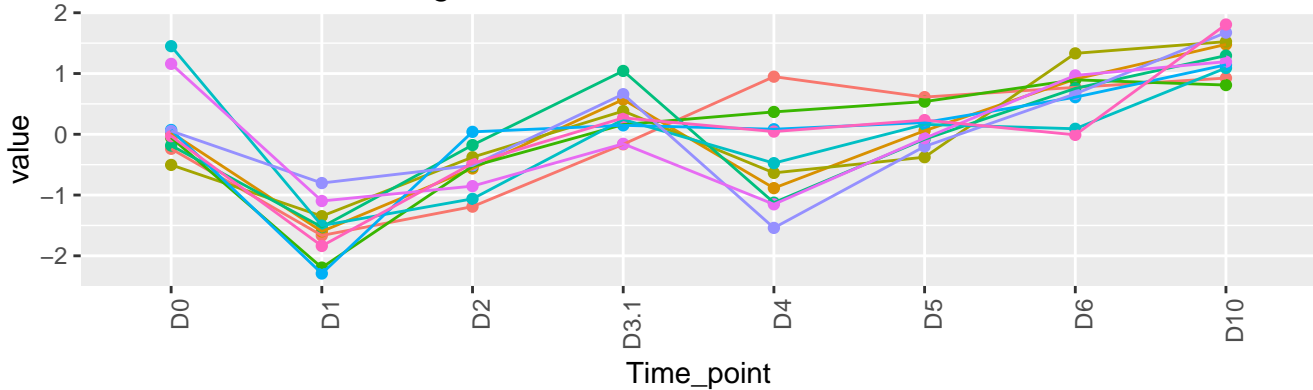




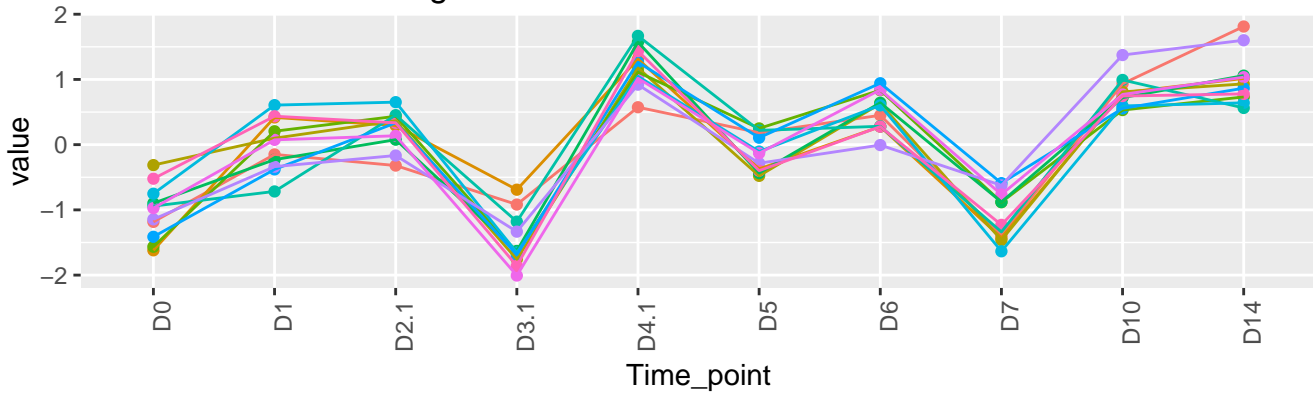
11 genes – WT-cluster-88-standardized



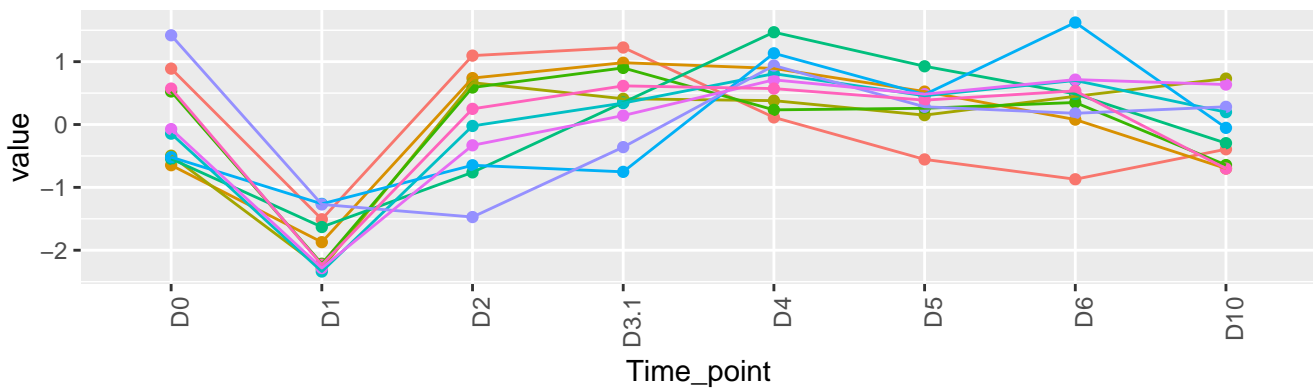
10 genes – KO-cluster-88-standardized



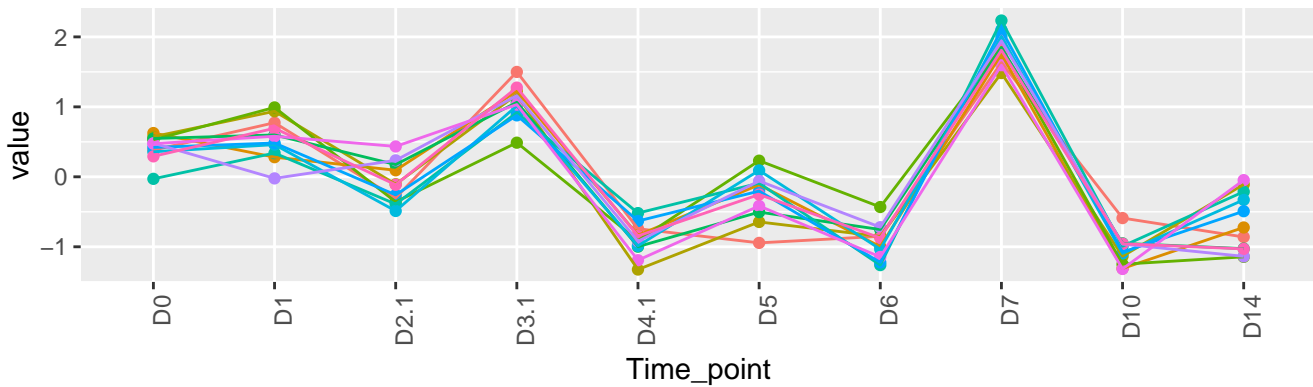
11 genes – WT-cluster-87-standardized



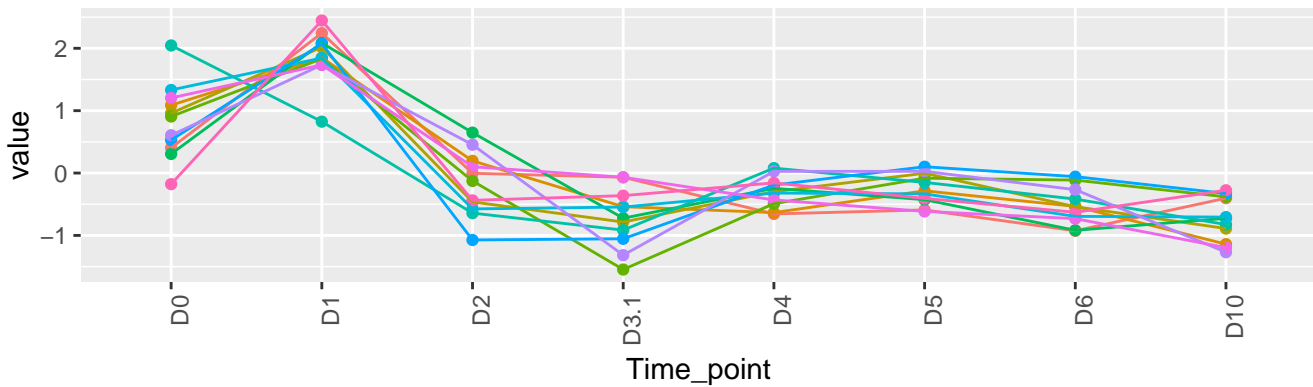
10 genes – KO-cluster-87-standardized



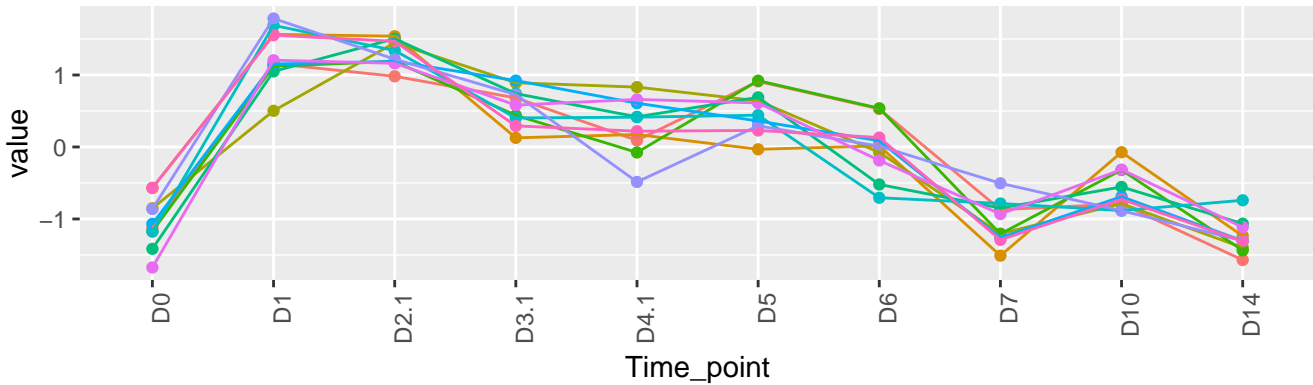
11 genes – WT-cluster-86-standardized



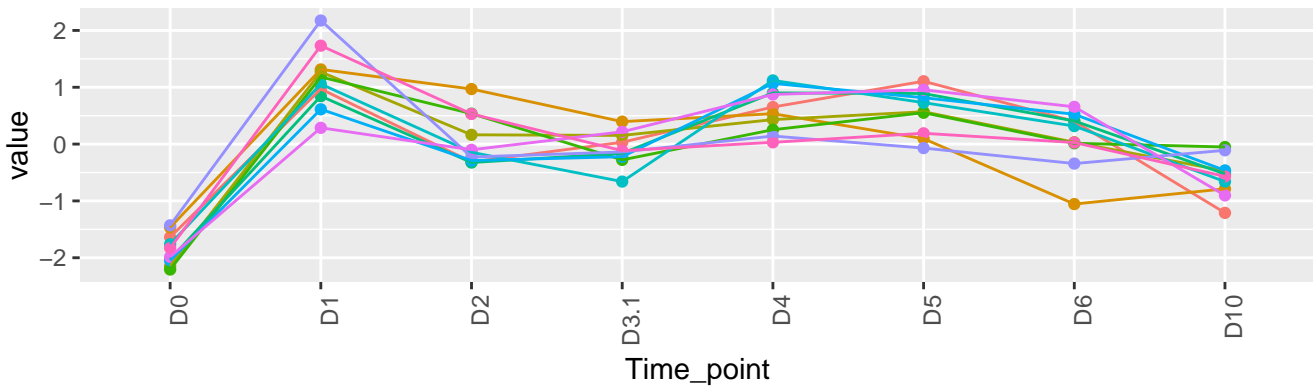
11 genes – KO-cluster-86-standardized



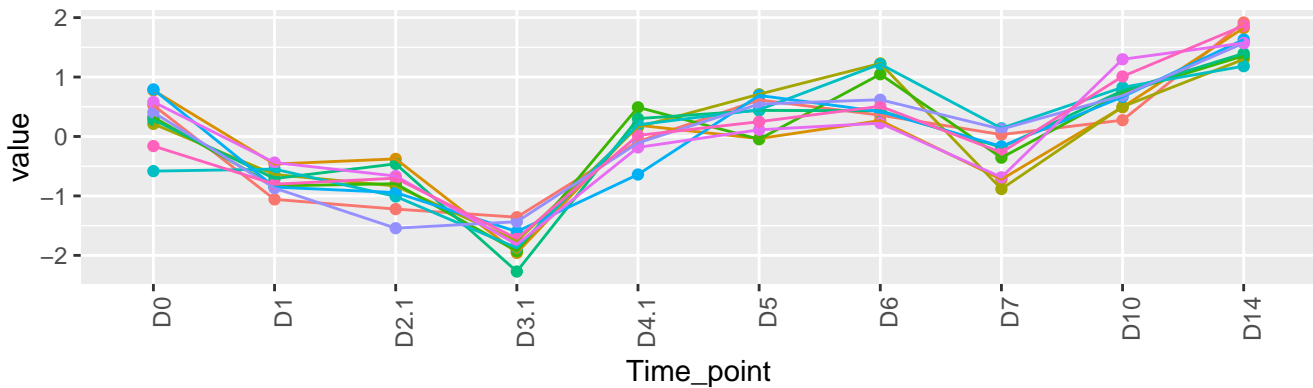
10 genes – WT-cluster-85-standardized



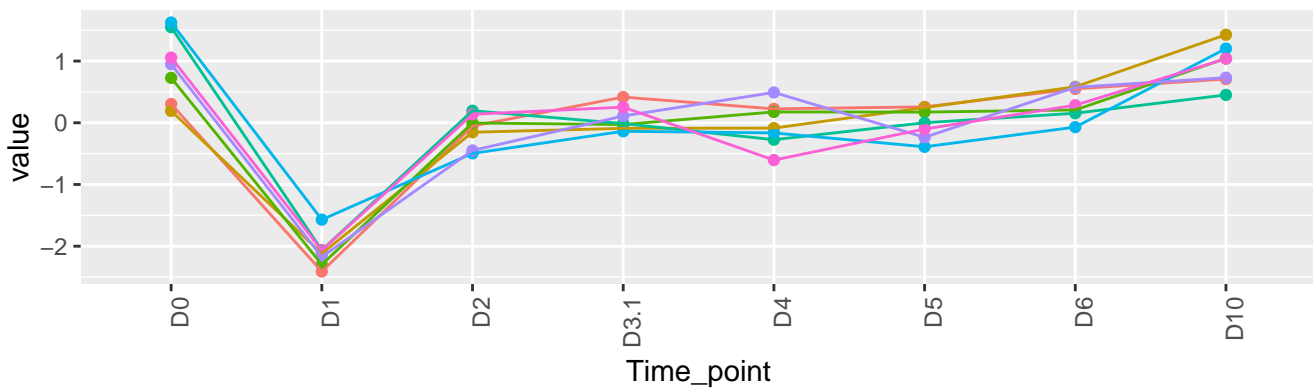
10 genes – KO-cluster-85-standardized



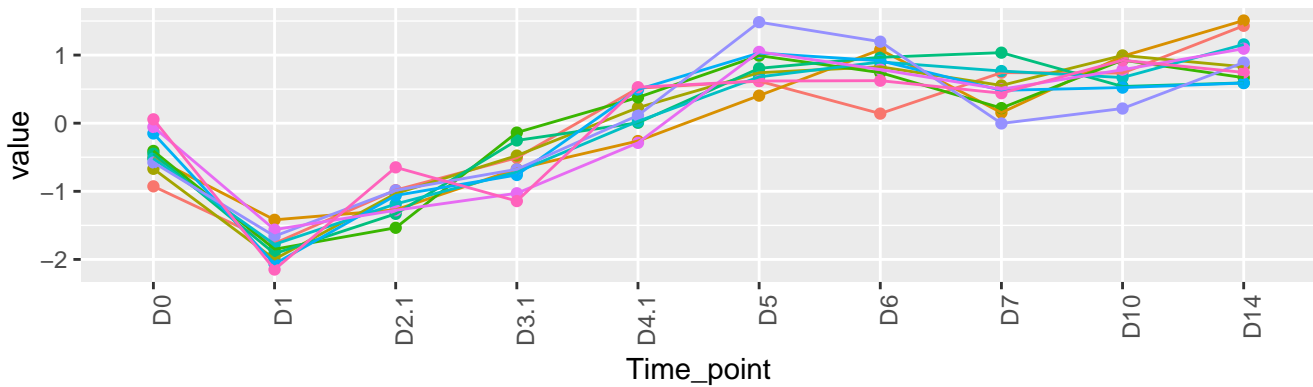
10 genes – WT-cluster-84-standardized



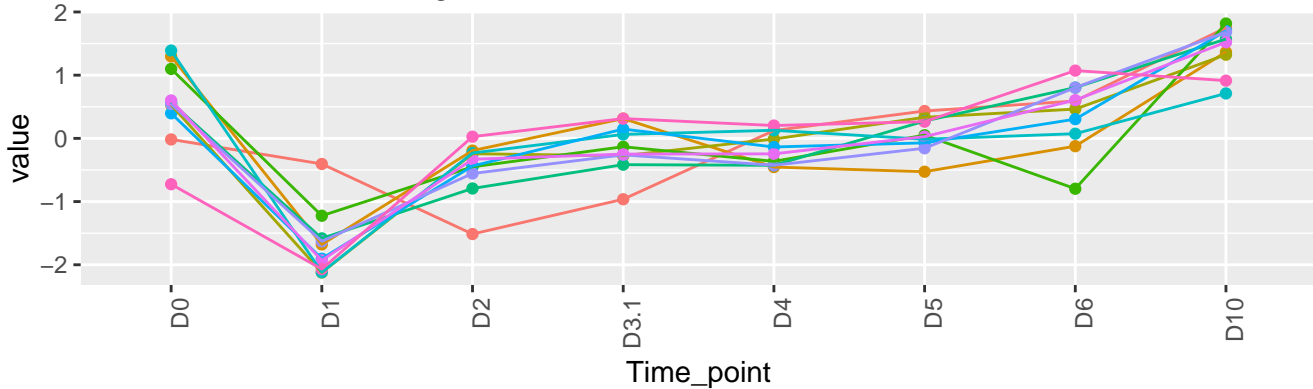
7 genes – KO-cluster-84-standardized



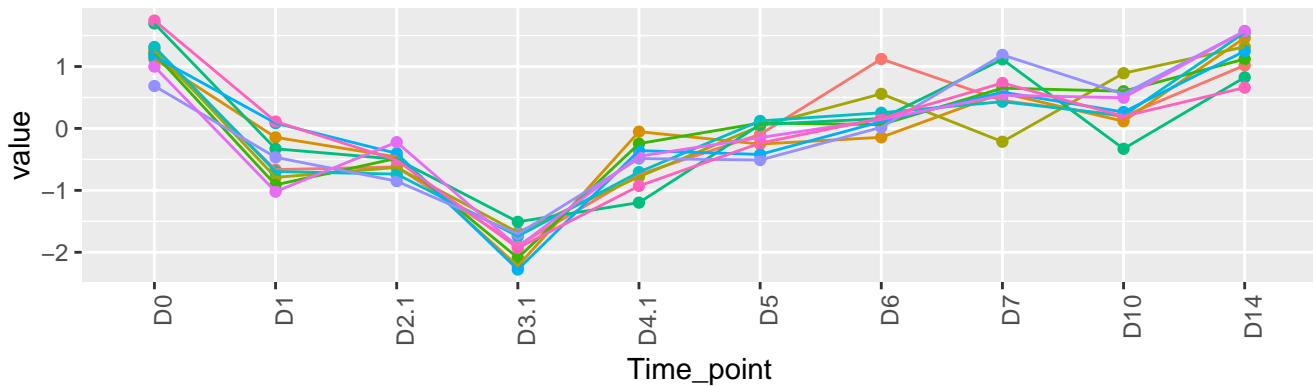
10 genes – WT-cluster-83-standardized



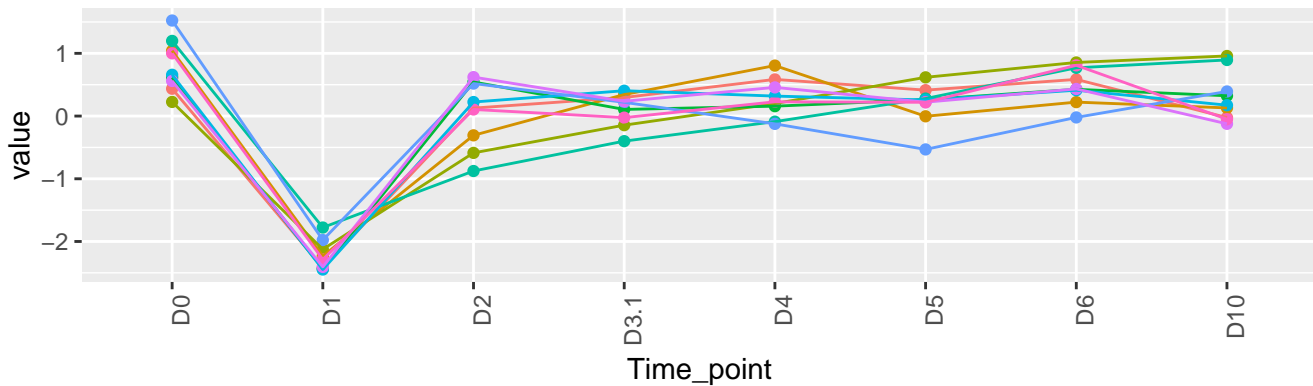
10 genes – KO-cluster-83-standardized



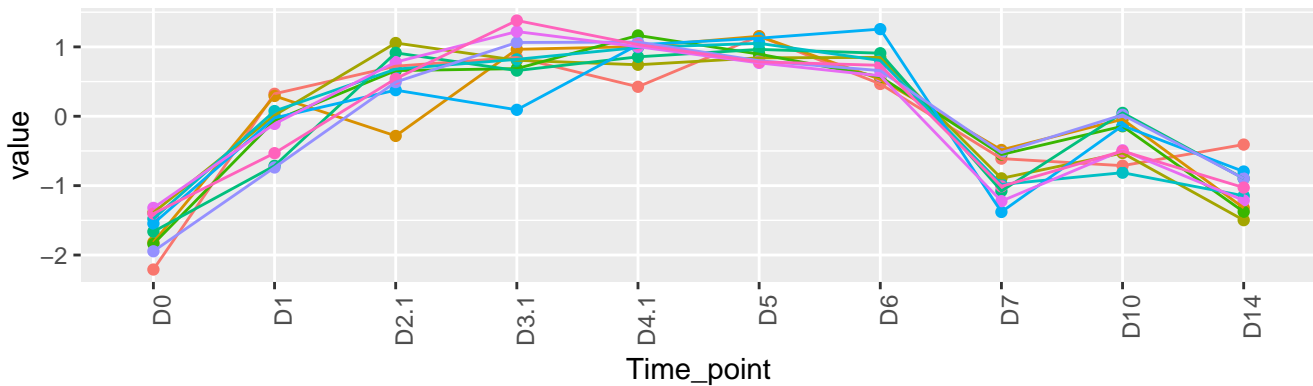
10 genes – WT-cluster-82-standardized



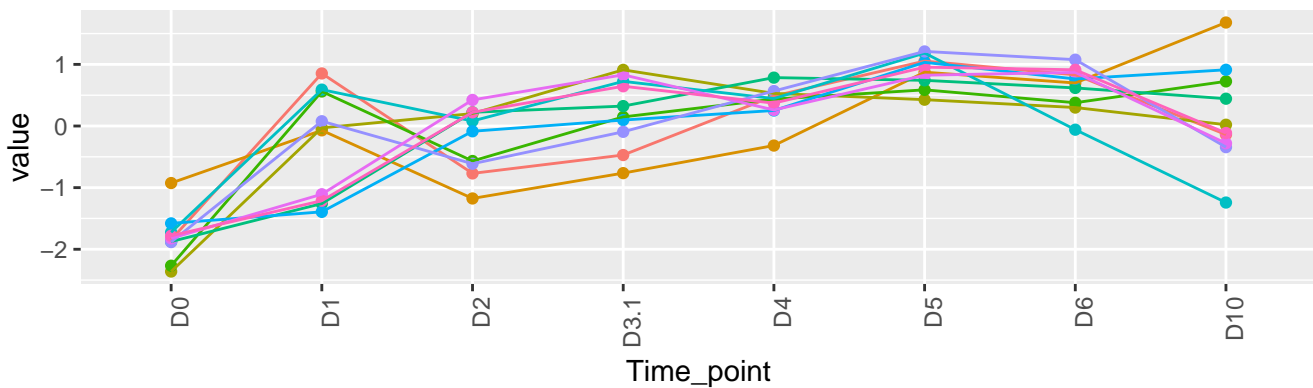
9 genes – KO-cluster-82-standardized



10 genes – WT-cluster-81-standardized

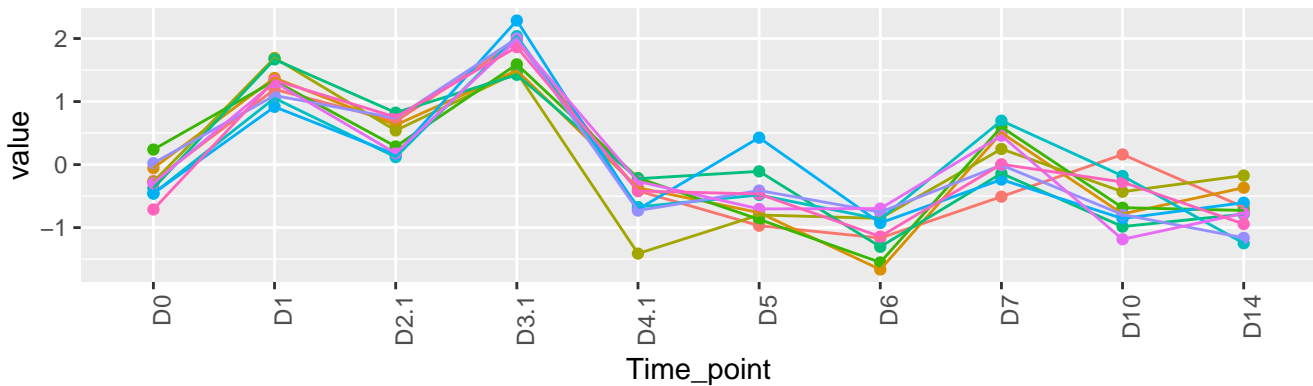


10 genes – KO-cluster-81-standardized

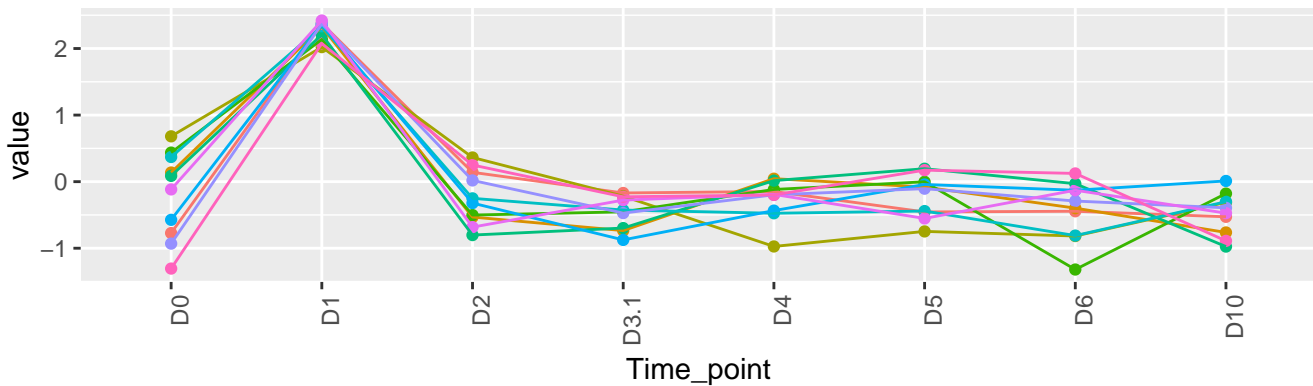




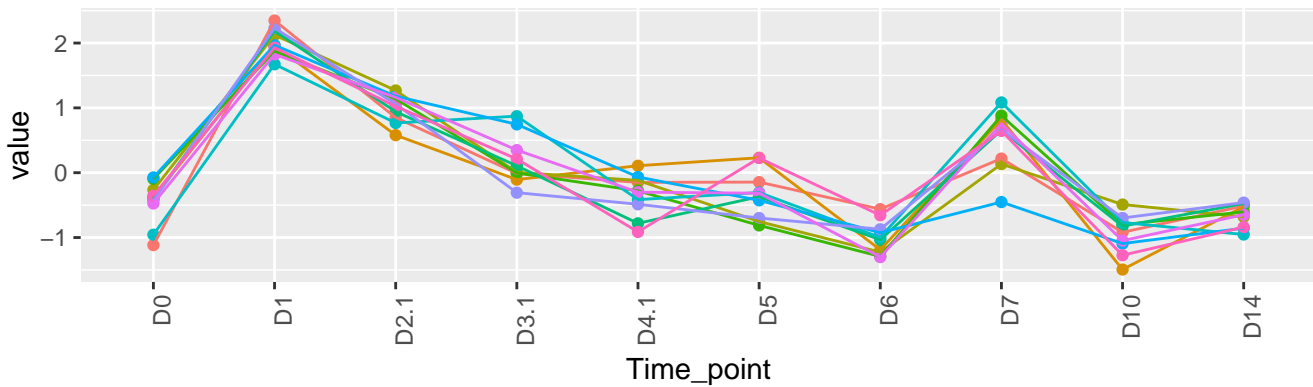
10 genes – WT-cluster-80-standardized



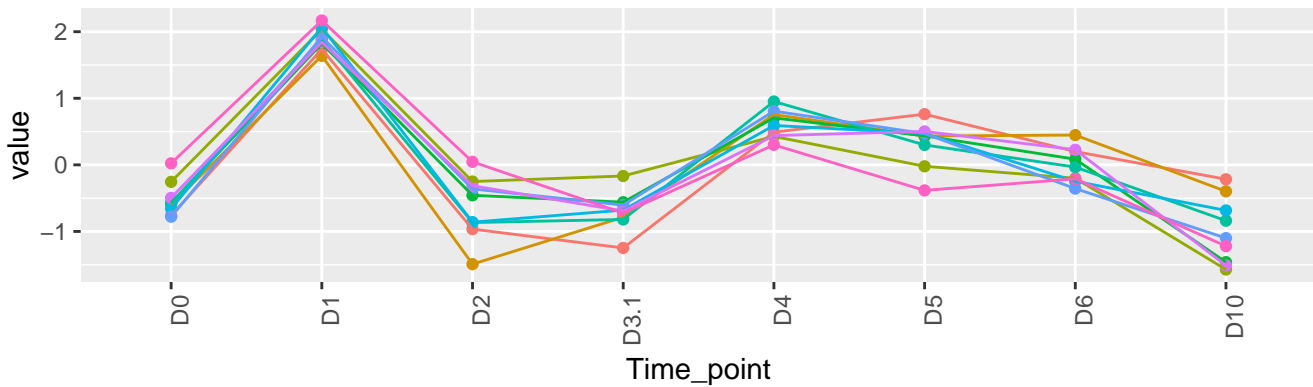
10 genes – KO-cluster-80-standardized



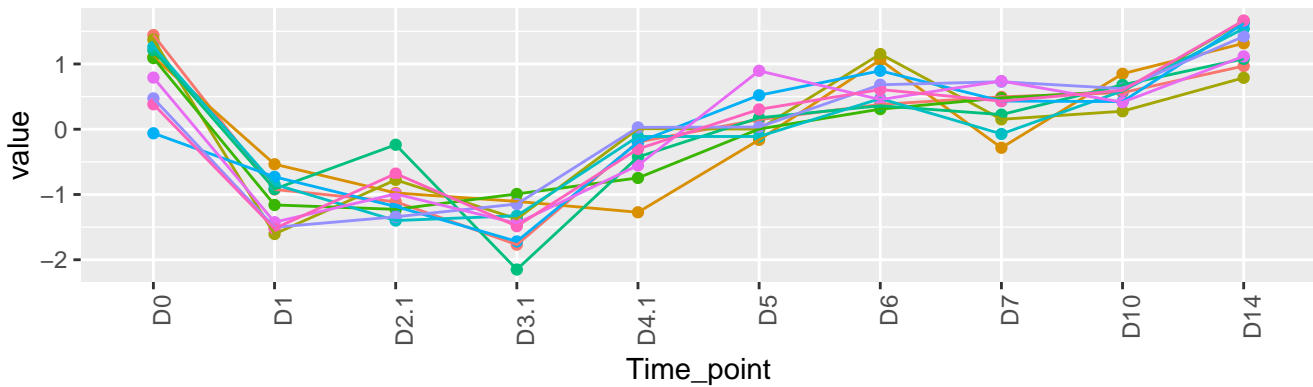
10 genes – WT-cluster-79-standardized



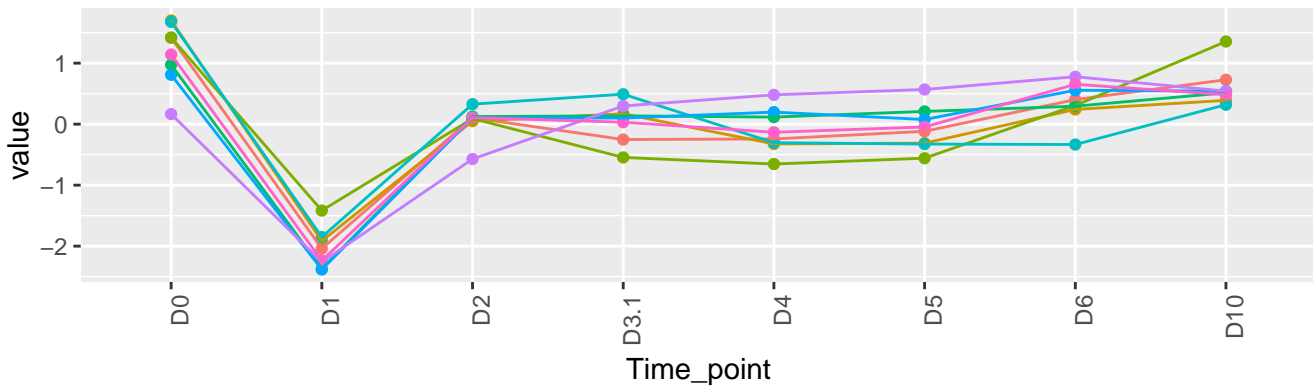
9 genes – KO-cluster-79-standardized



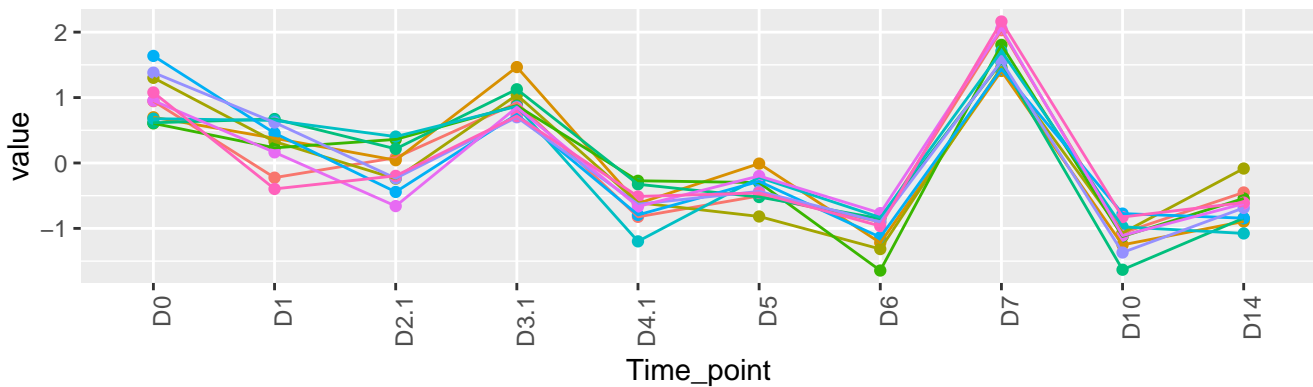
10 genes – WT-cluster-78-standardized



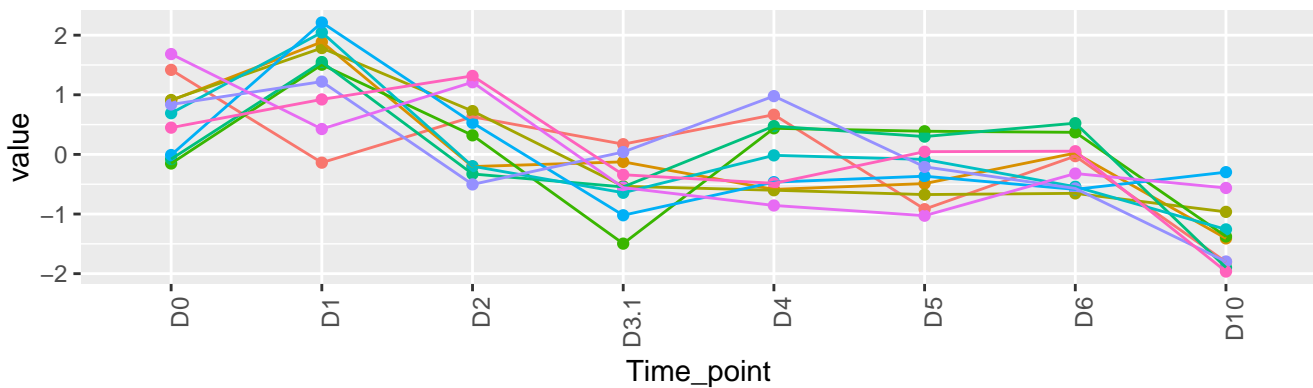
8 genes – KO-cluster-78-standardized



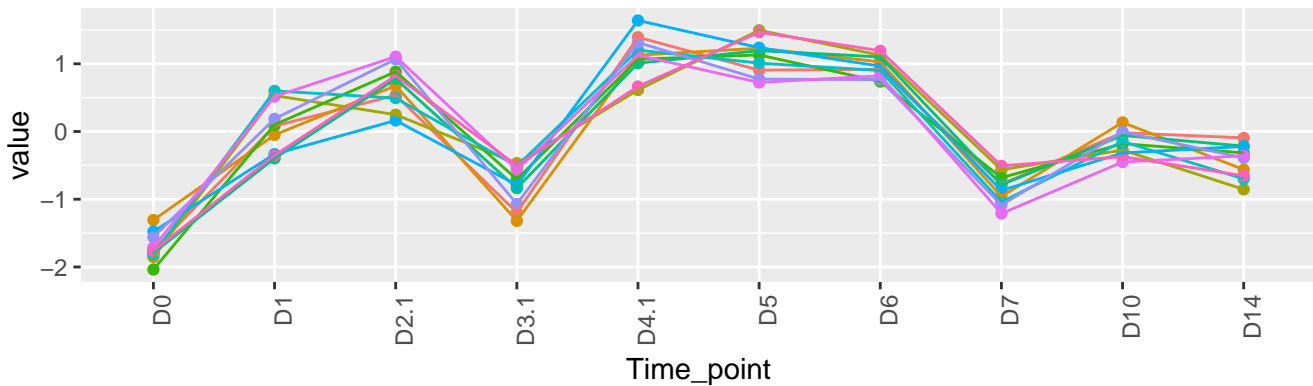
10 genes – WT-cluster-77-standardized



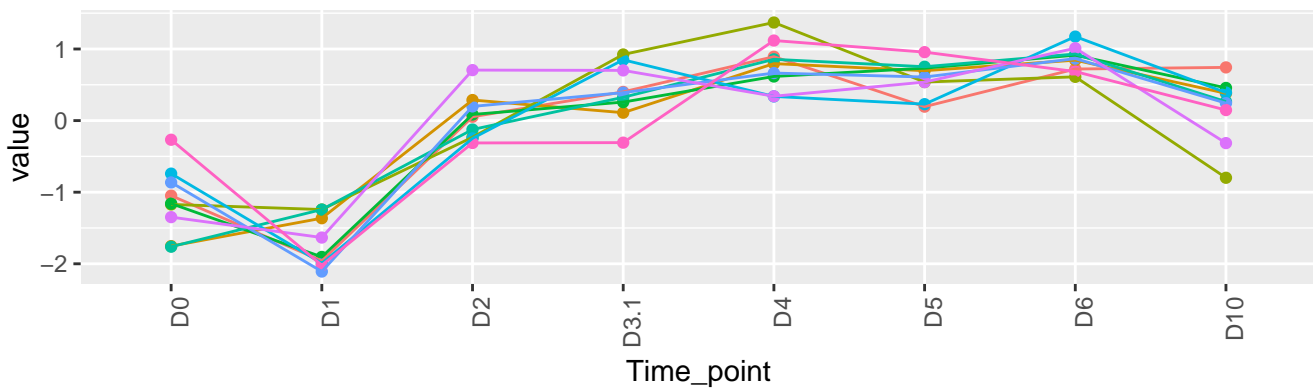
10 genes – KO-cluster-77-standardized



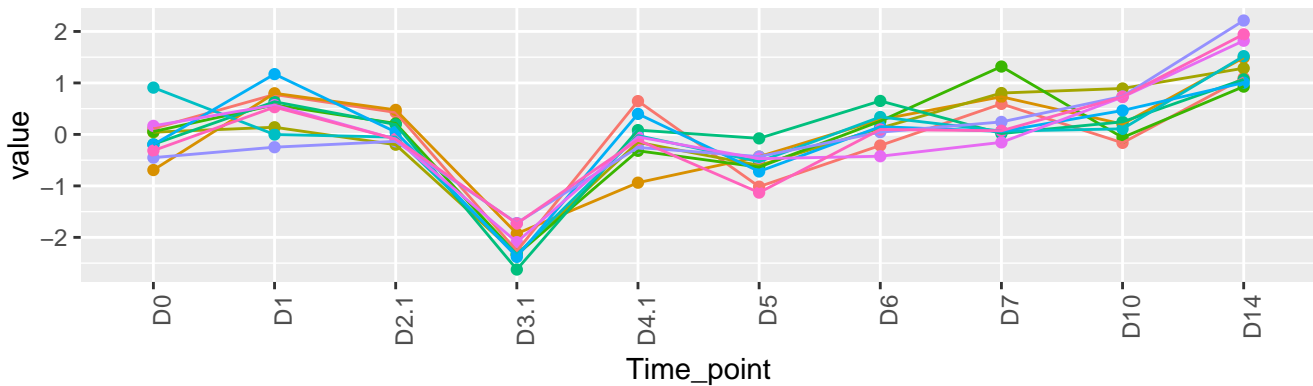
10 genes – WT-cluster-76-standardized



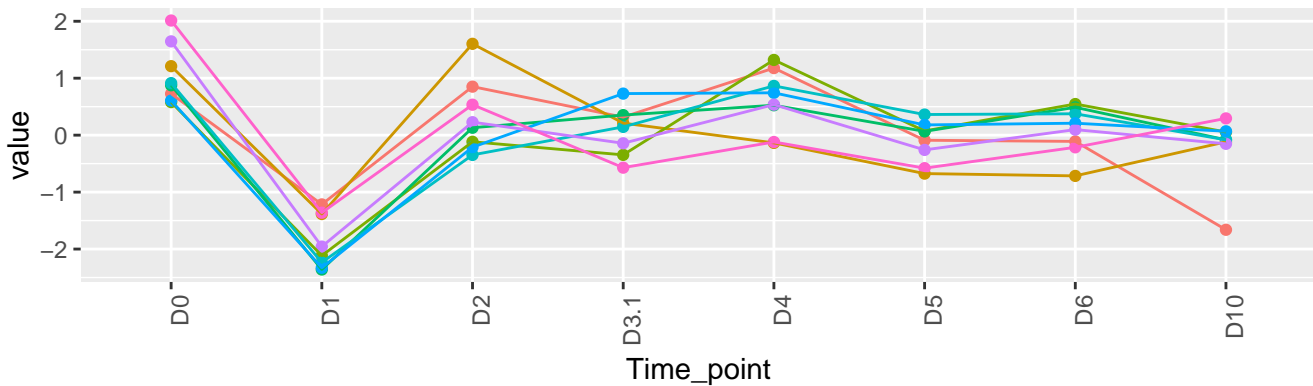
9 genes – KO-cluster-76-standardized



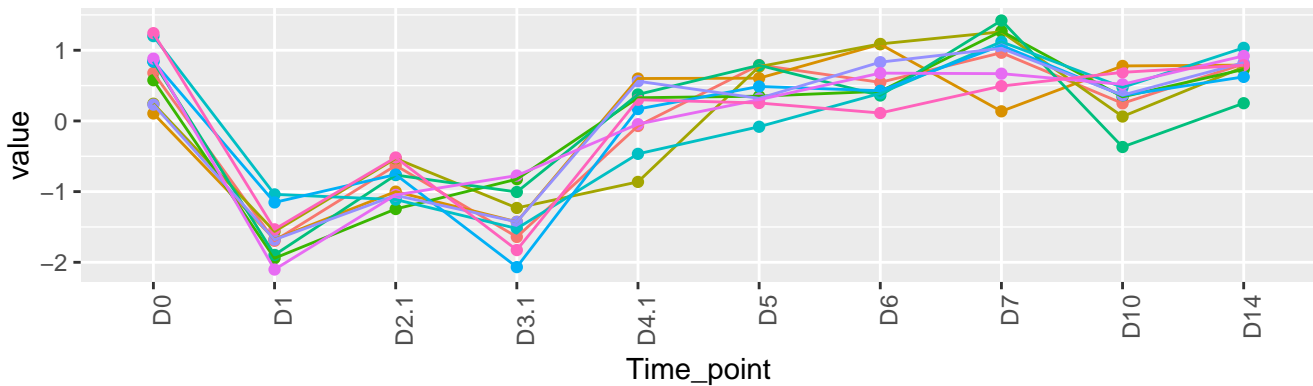
10 genes – WT-cluster-75-standardized



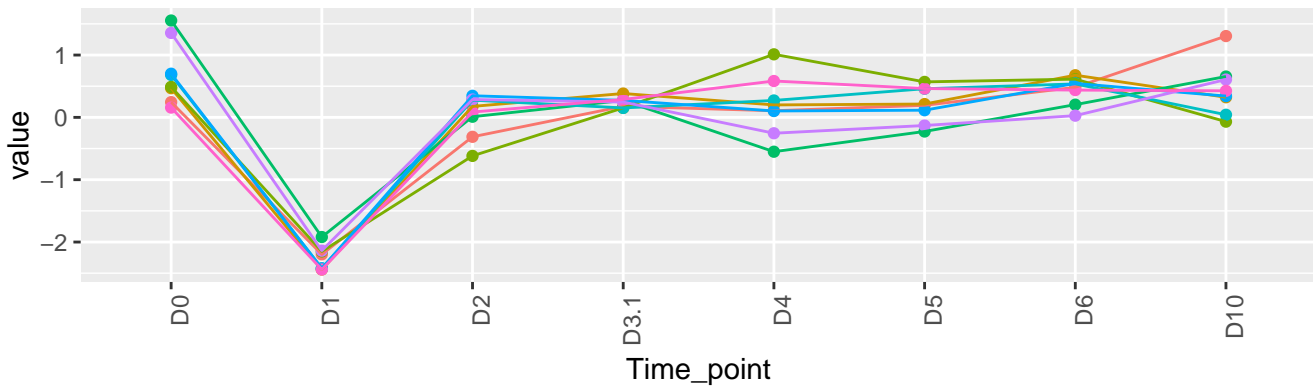
8 genes – KO-cluster-75-standardized



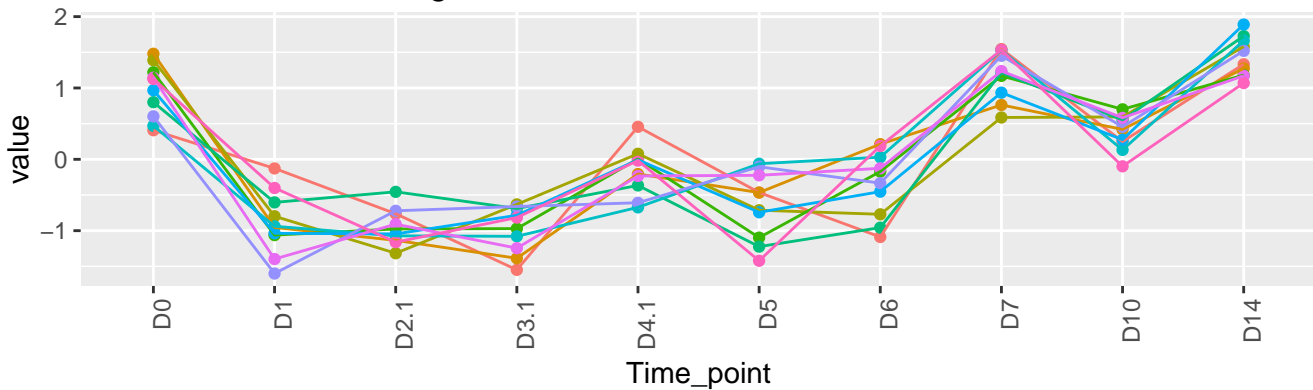
10 genes – WT-cluster-74-standardized



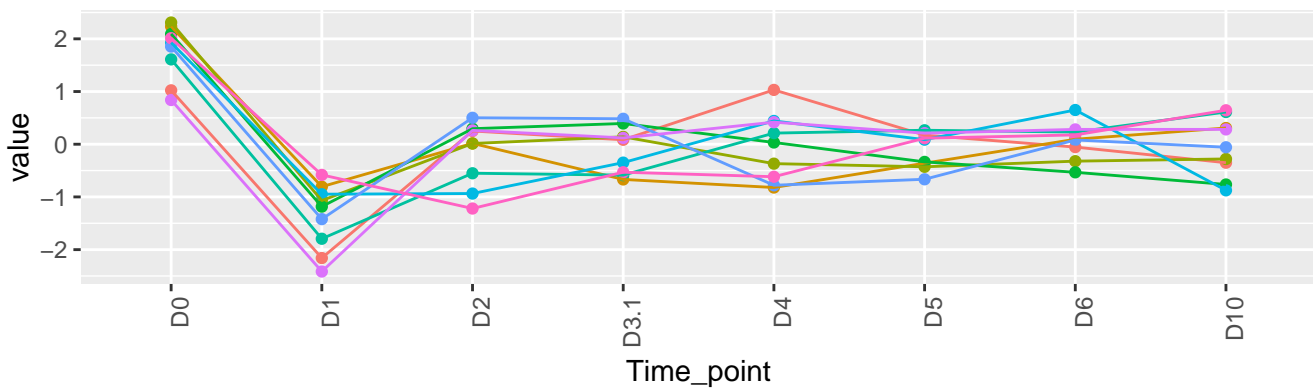
8 genes – KO-cluster-74-standardized



10 genes – WT-cluster-73-standardized

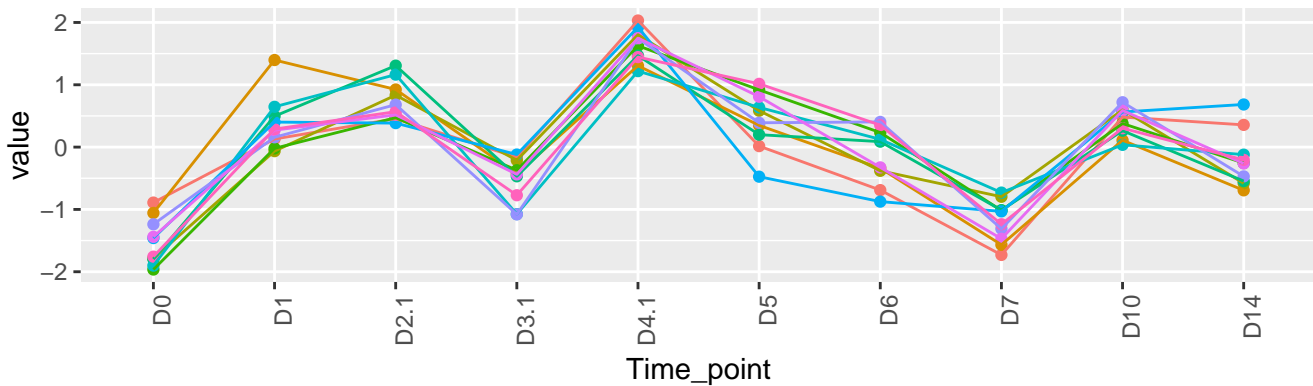


9 genes – KO-cluster-73-standardized

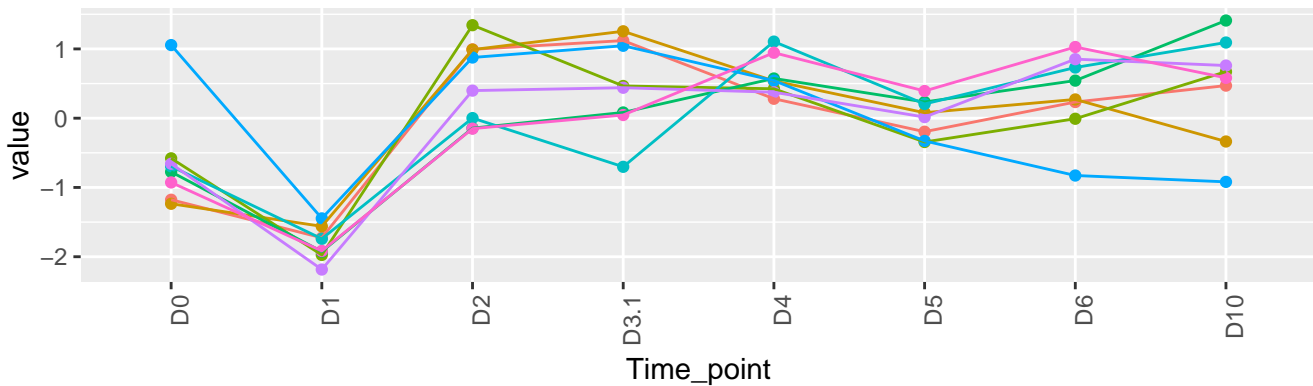




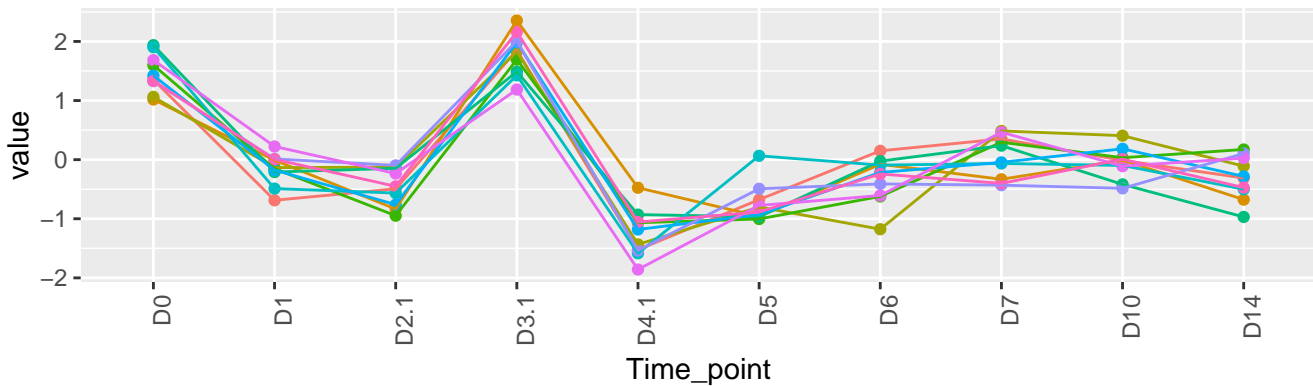
10 genes – WT-cluster-72-standardized



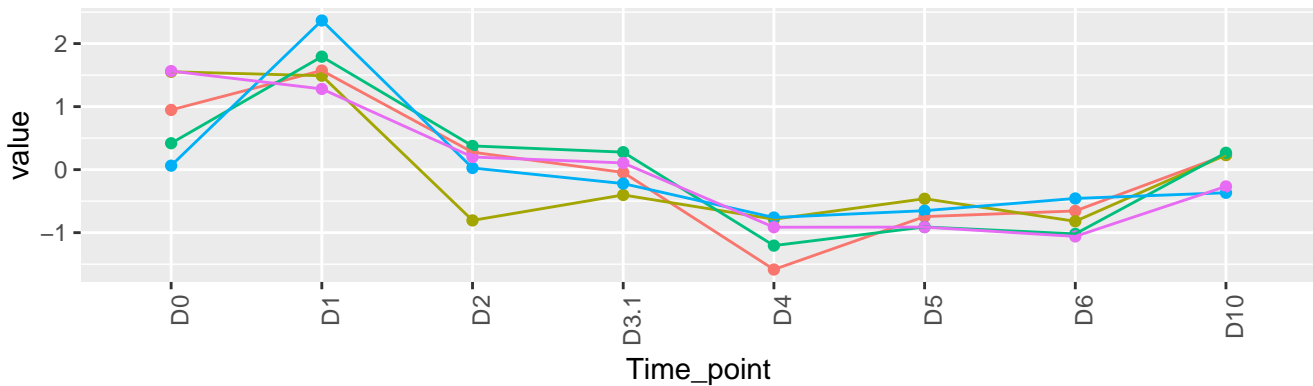
8 genes – KO-cluster-72-standardized



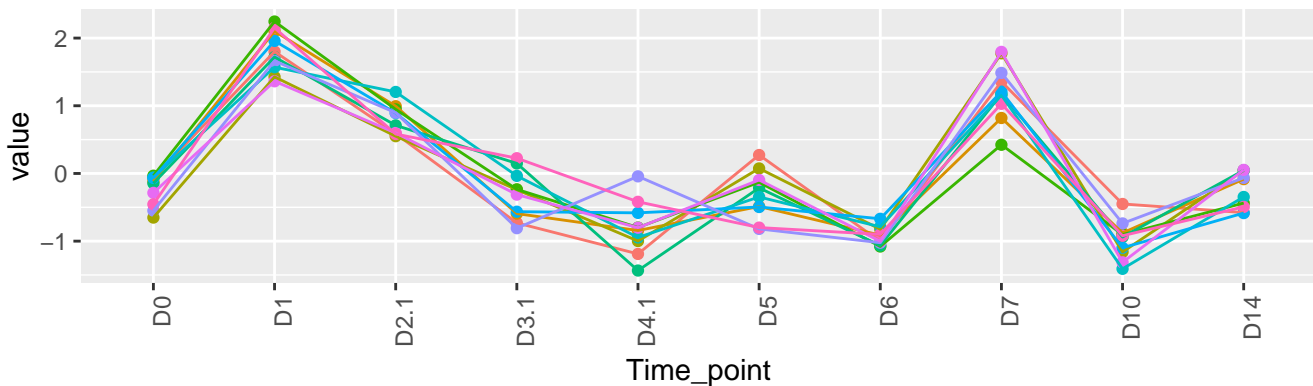
10 genes – WT-cluster-71-standardized



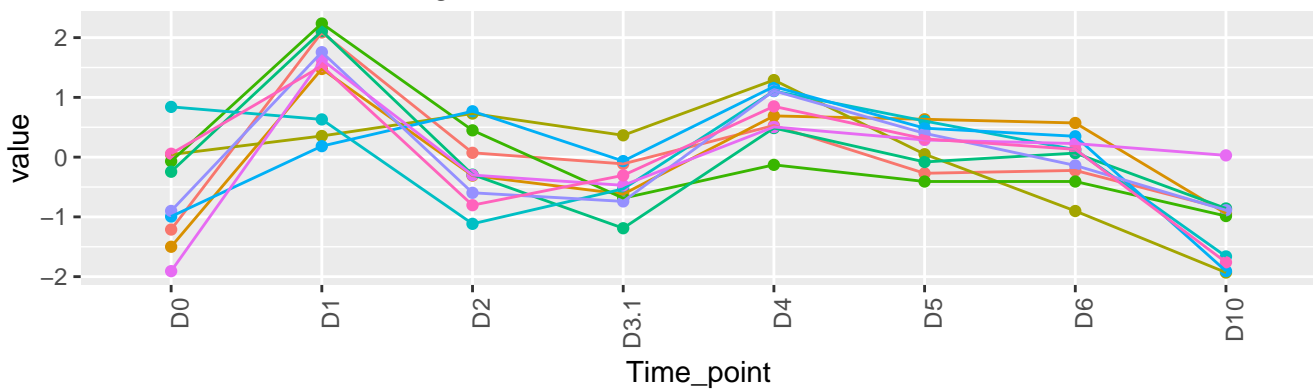
5 genes – KO-cluster-71-standardized



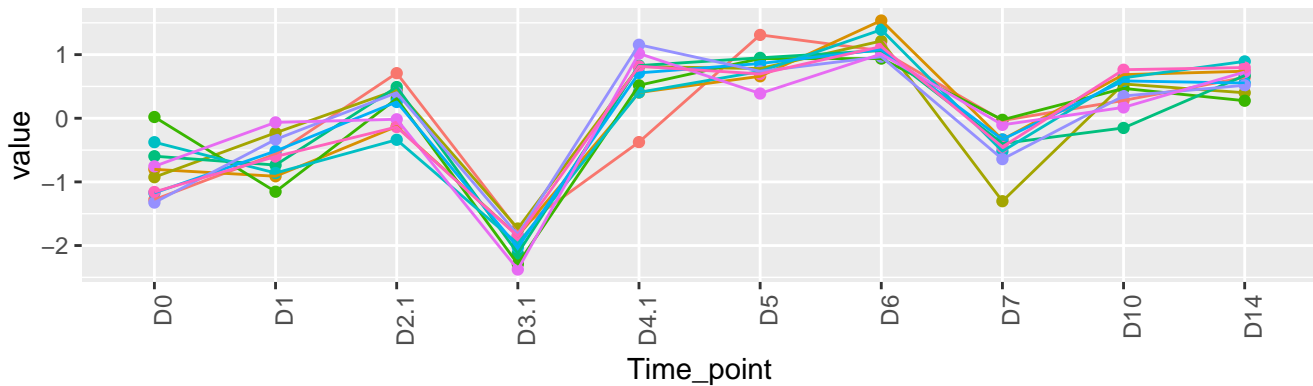
10 genes – WT-cluster-70-standardized



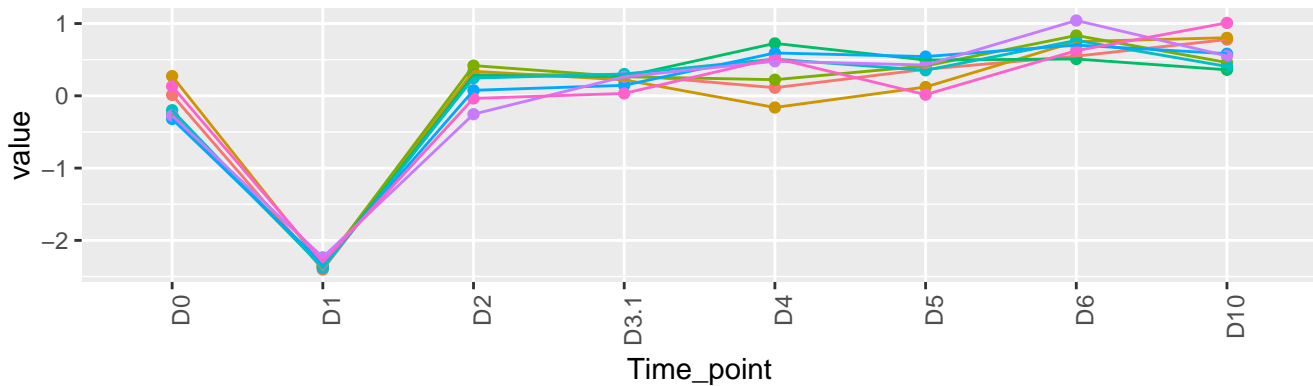
10 genes – KO-cluster-70-standardized



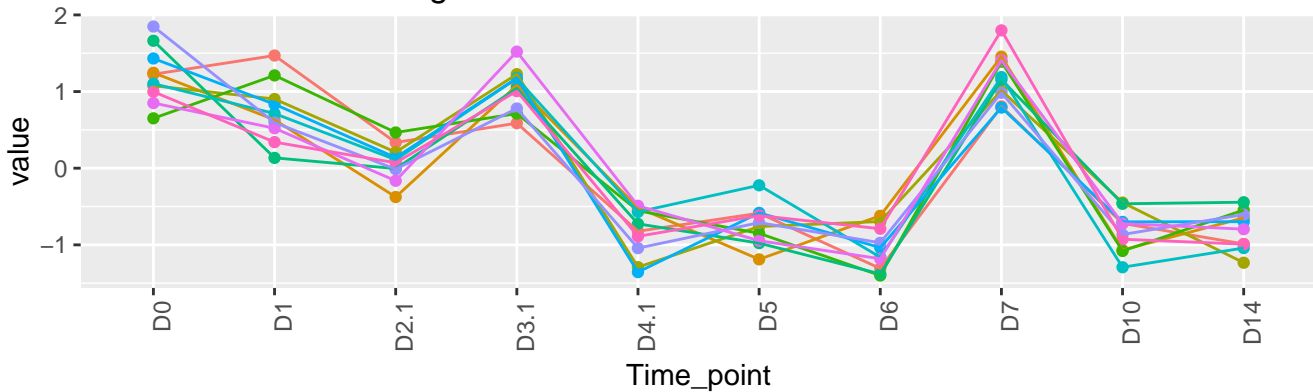
10 genes – WT-cluster-69-standardized



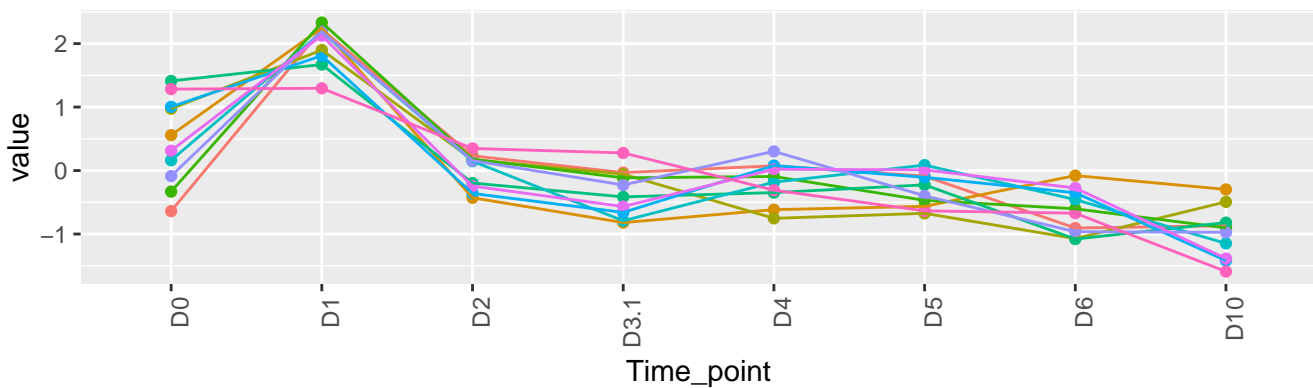
8 genes – KO-cluster-69-standardized



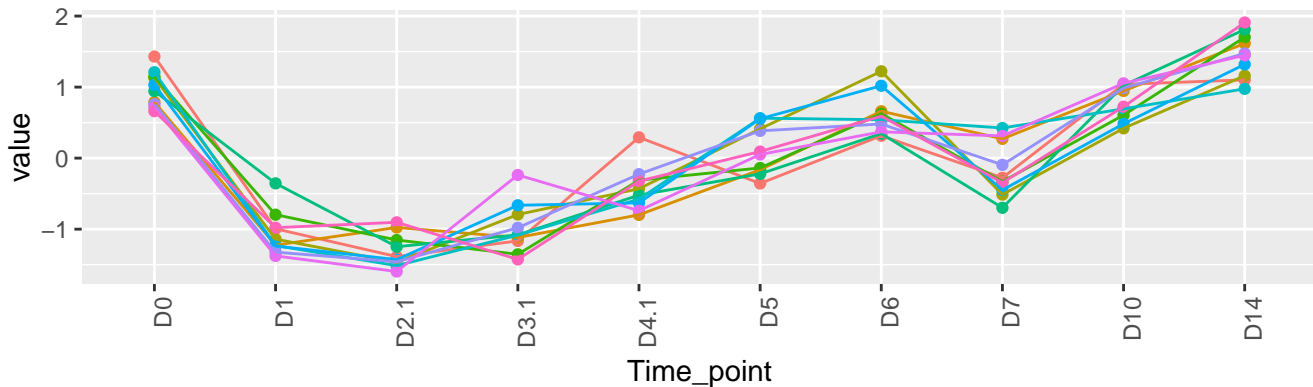
10 genes – WT-cluster-68-standardized



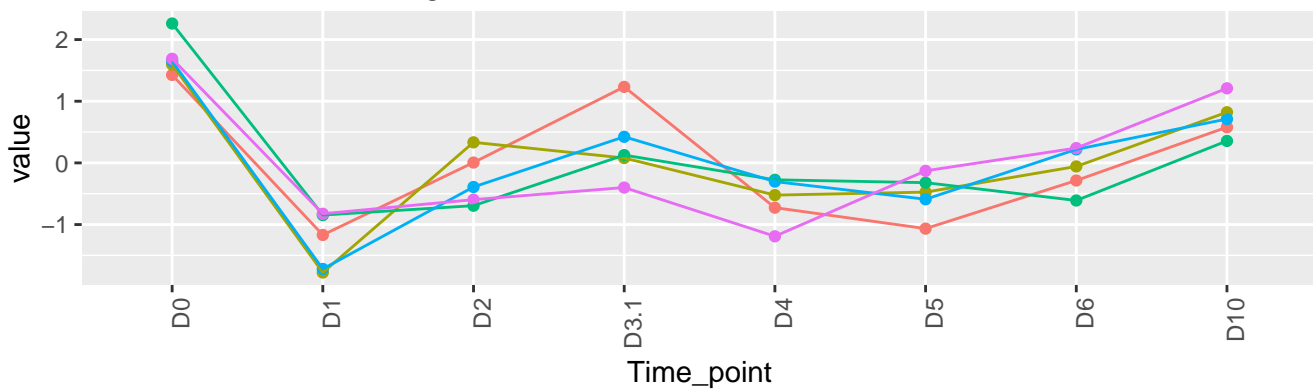
10 genes – KO-cluster-68-standardized



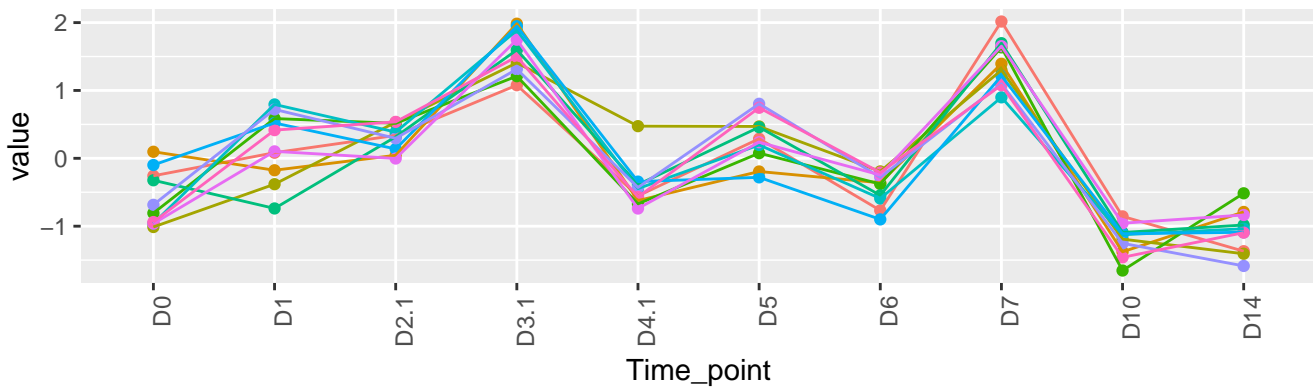
10 genes – WT-cluster-67-standardized



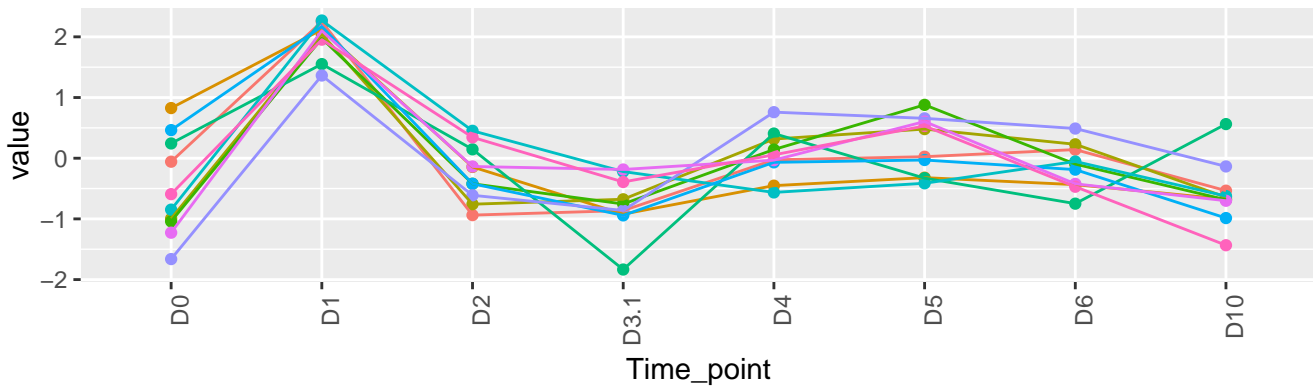
5 genes – KO-cluster-67-standardized



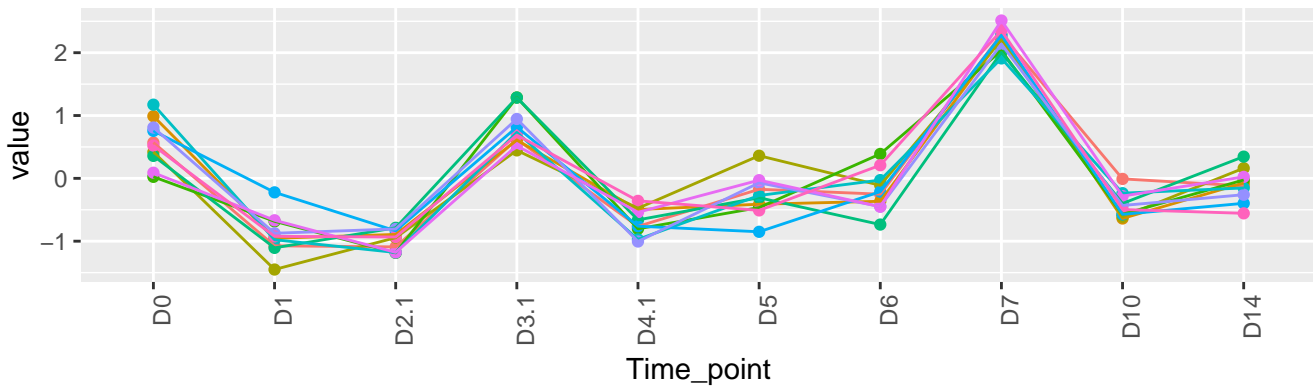
10 genes – WT-cluster-66-standardized



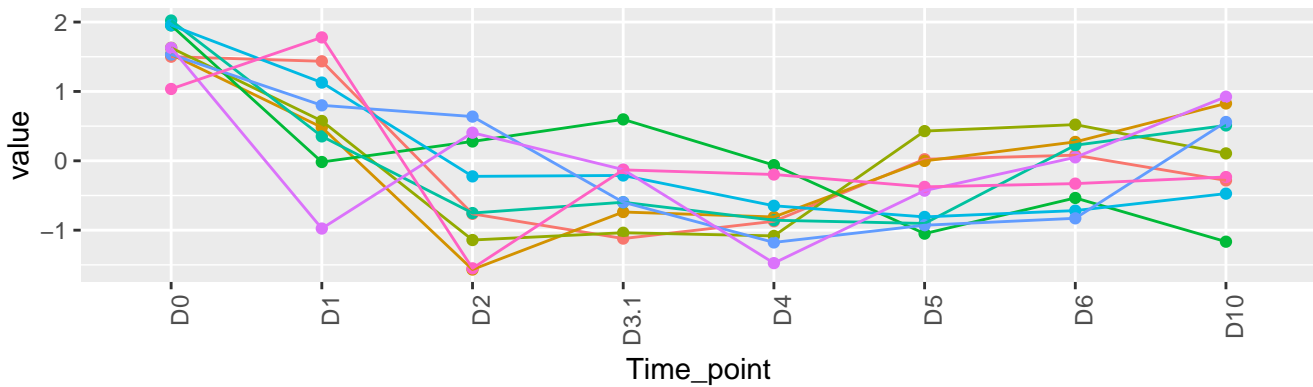
10 genes – KO-cluster-66-standardized



10 genes – WT-cluster-65-standardized

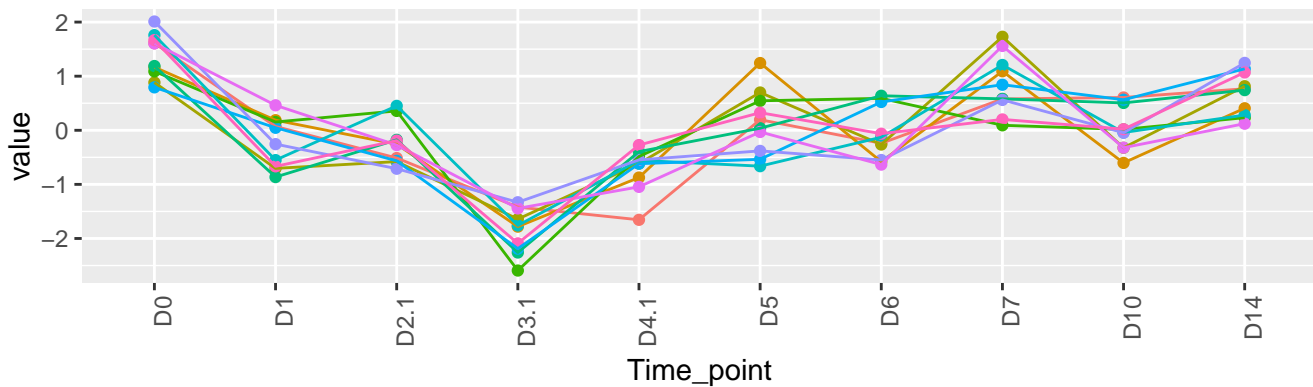


9 genes – KO-cluster-65-standardized

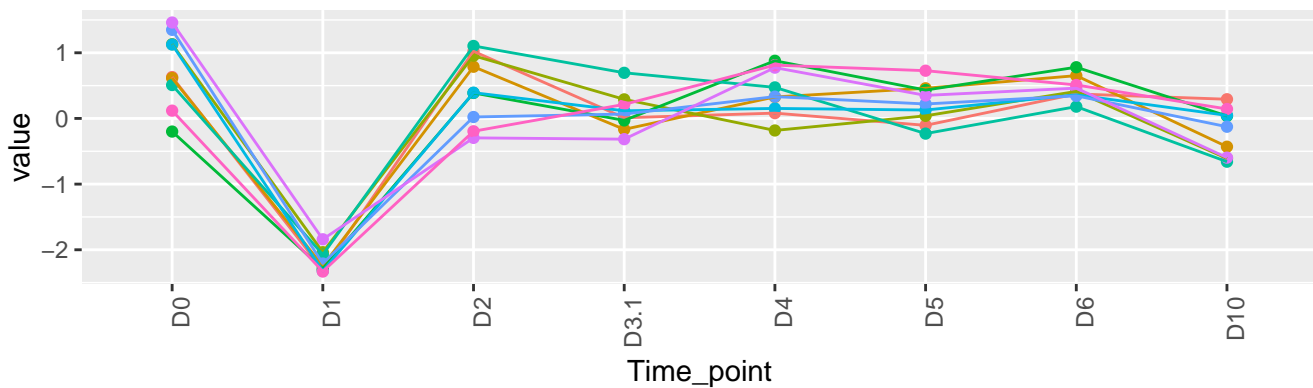




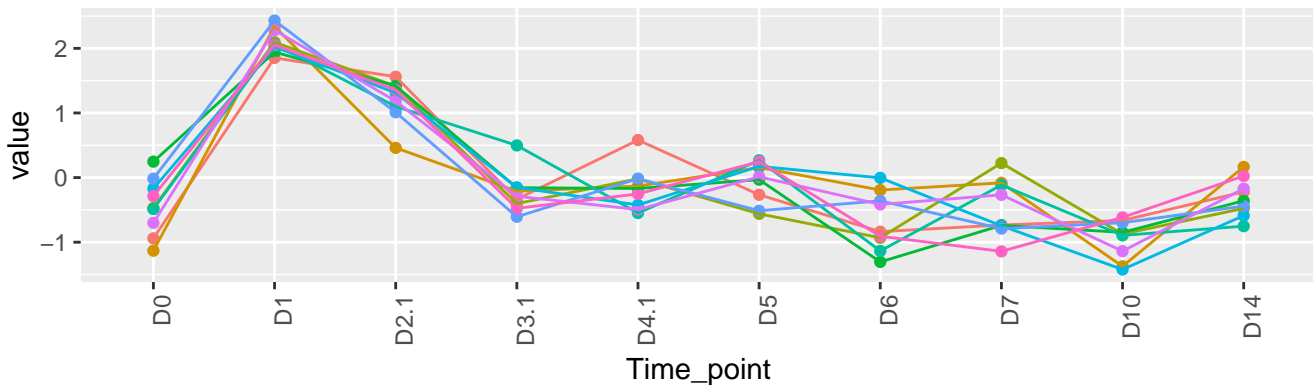
10 genes – WT-cluster-64-standardized



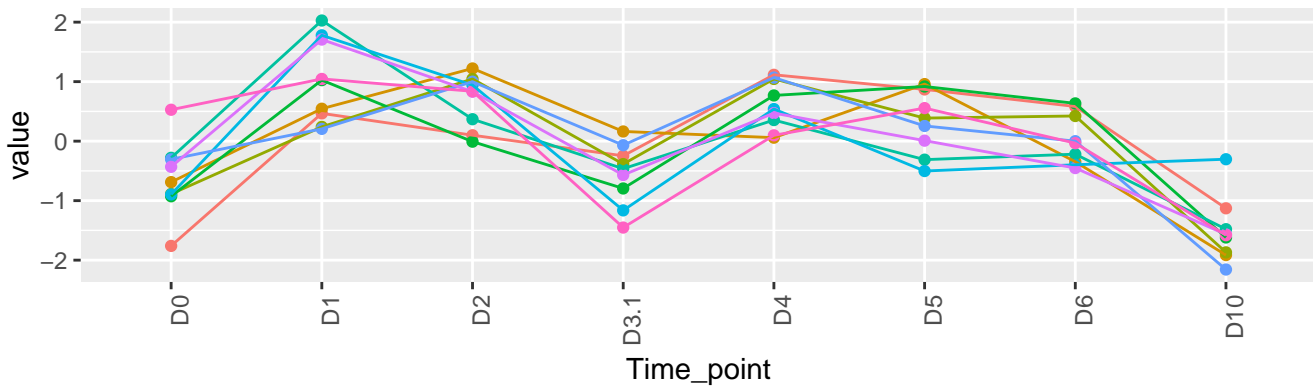
9 genes – KO-cluster-64-standardized



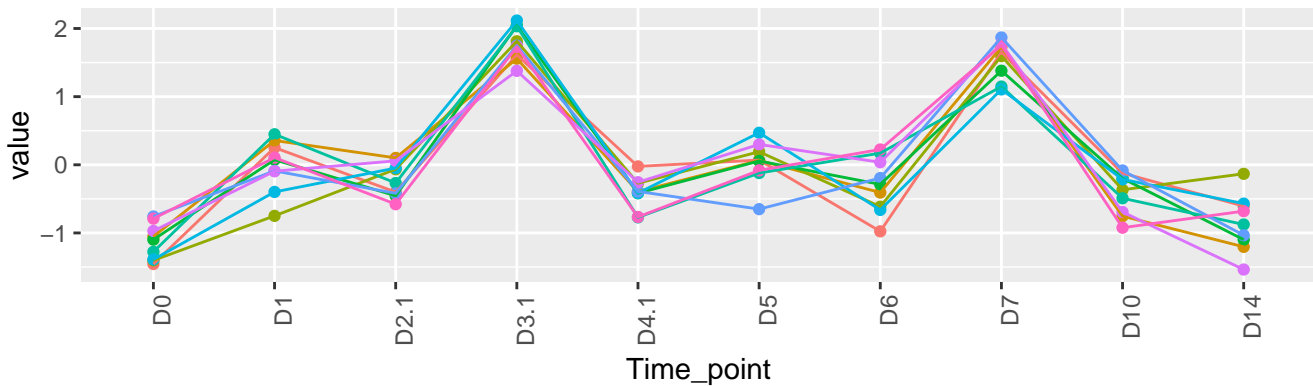
9 genes – WT-cluster-63-standardized



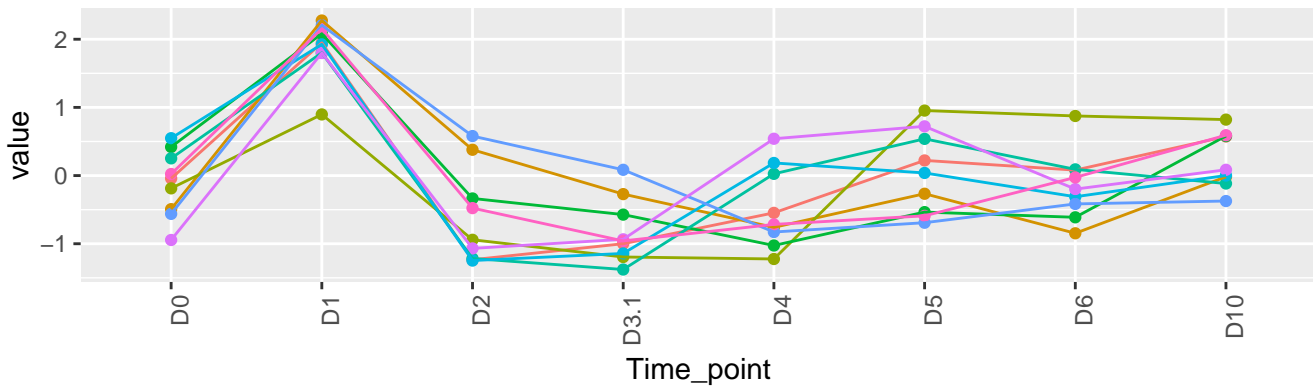
9 genes – KO-cluster-63-standardized



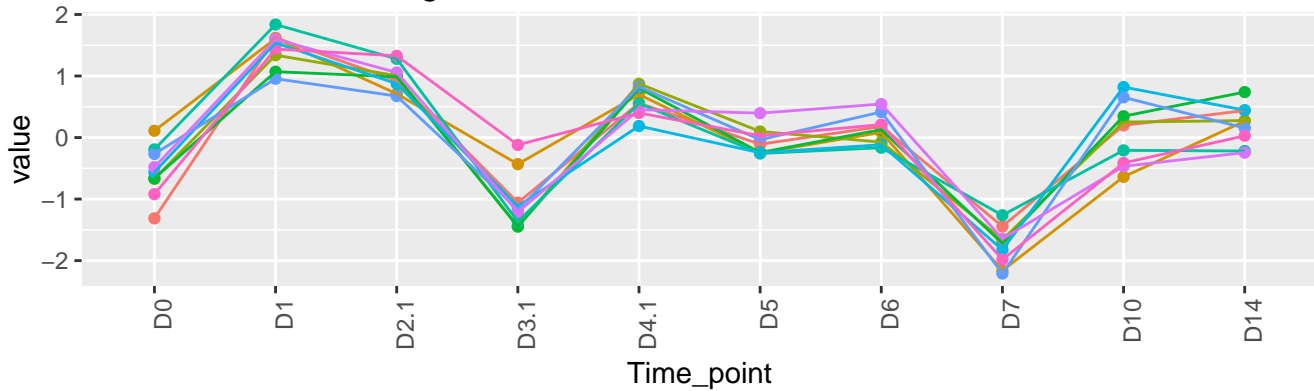
9 genes – WT-cluster-62-standardized



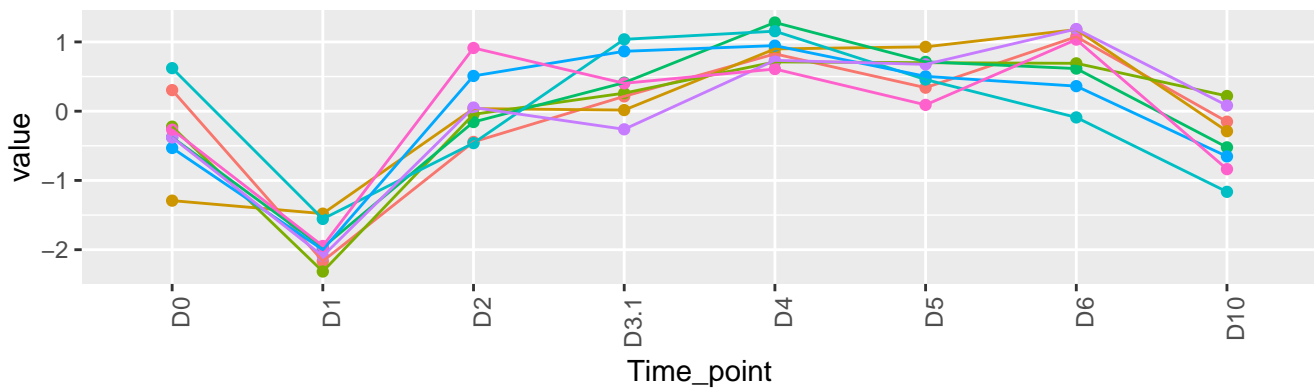
9 genes – KO-cluster-62-standardized



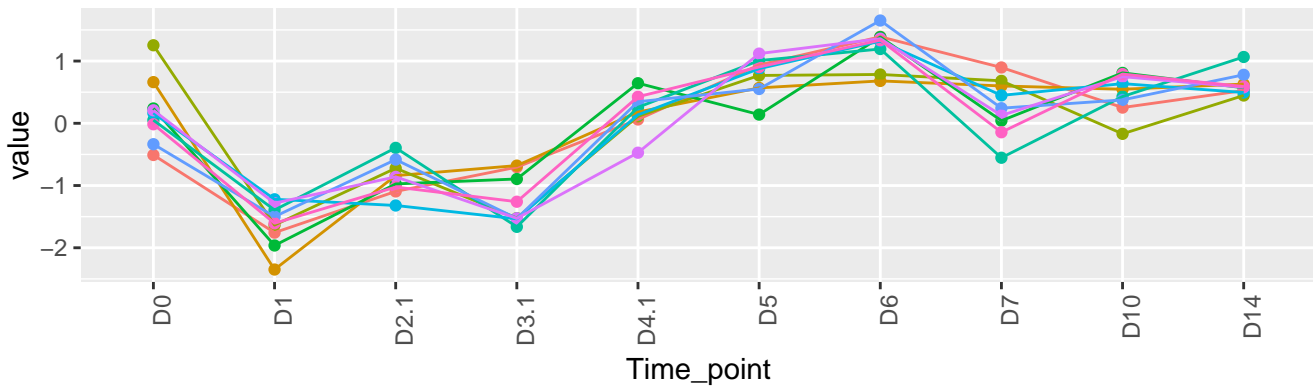
9 genes – WT-cluster-61-standardized



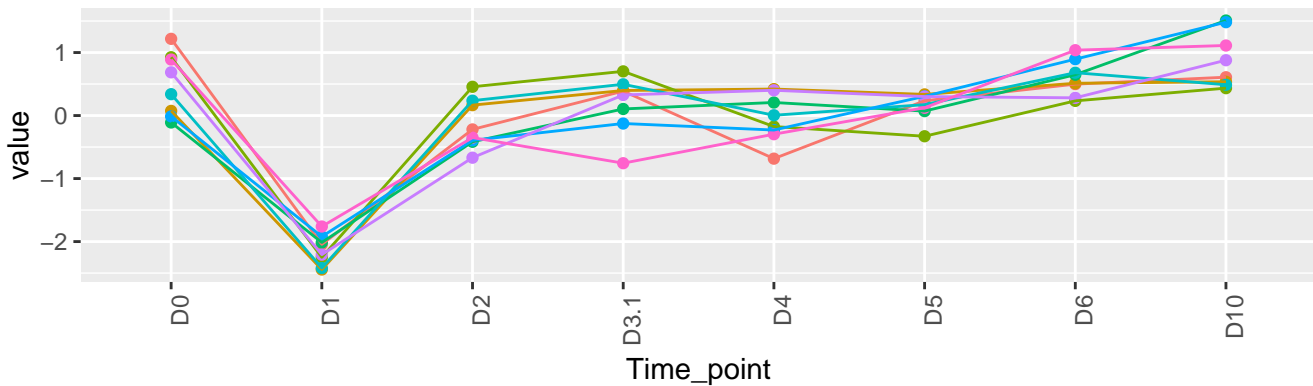
8 genes – KO-cluster-61-standardized



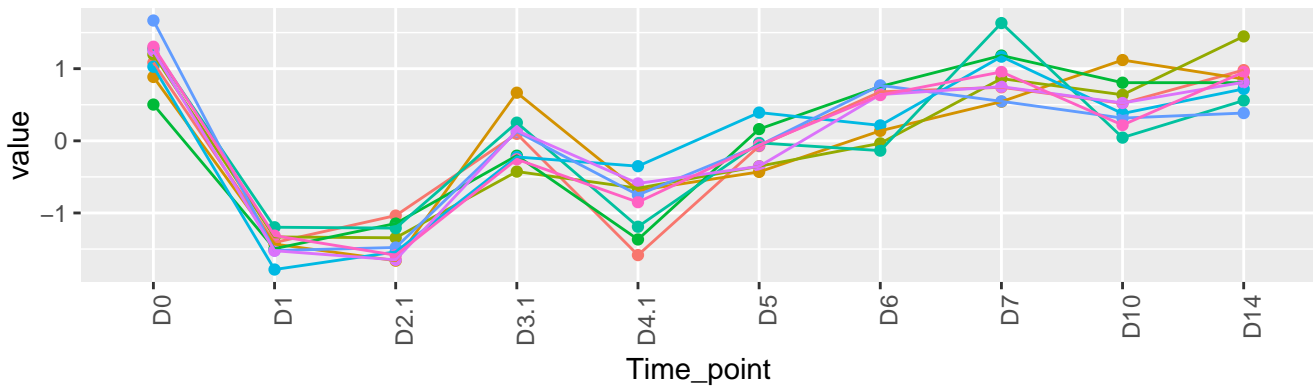
9 genes – WT-cluster-60-standardized



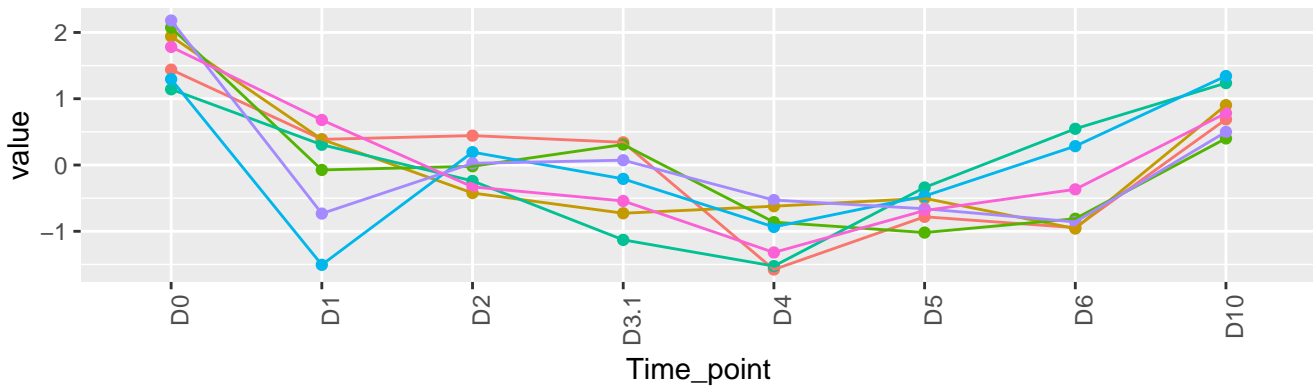
8 genes – KO-cluster-60-standardized



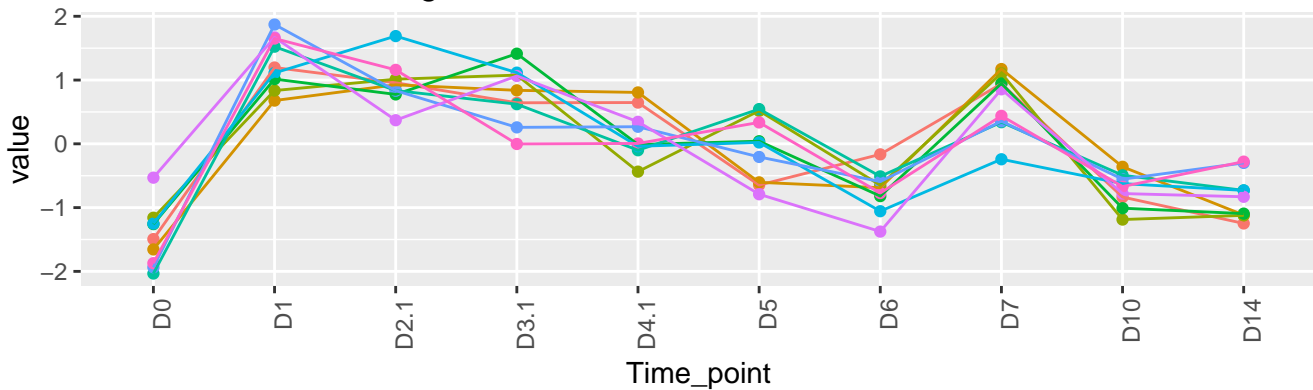
9 genes – WT-cluster-59-standardized



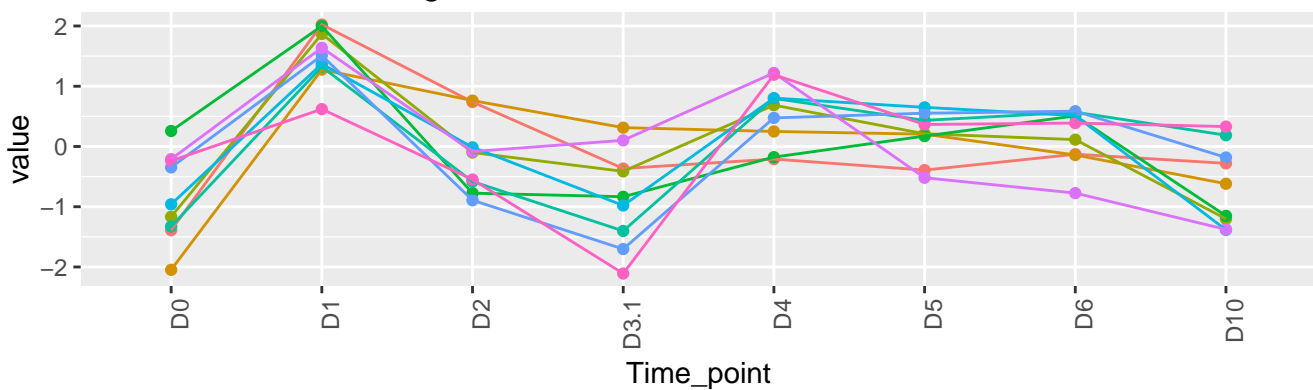
7 genes – KO-cluster-59-standardized



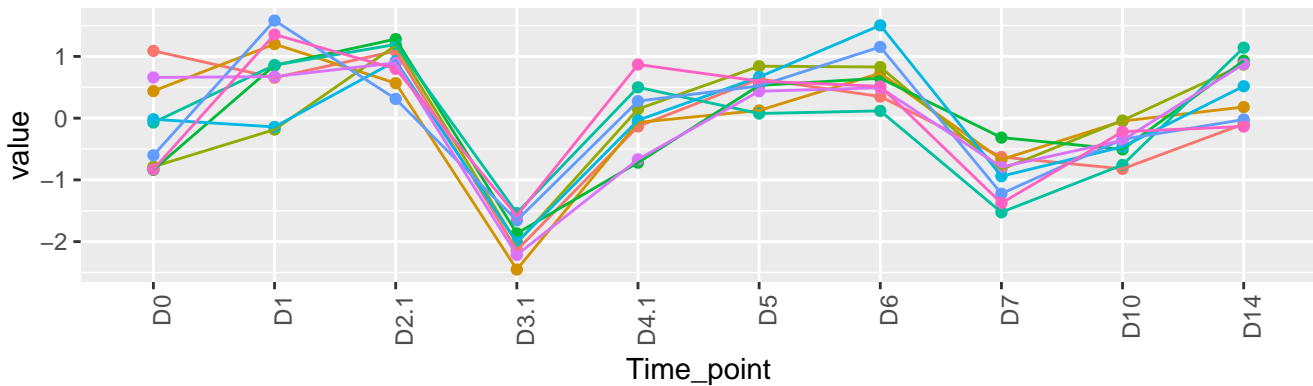
9 genes – WT-cluster-58-standardized



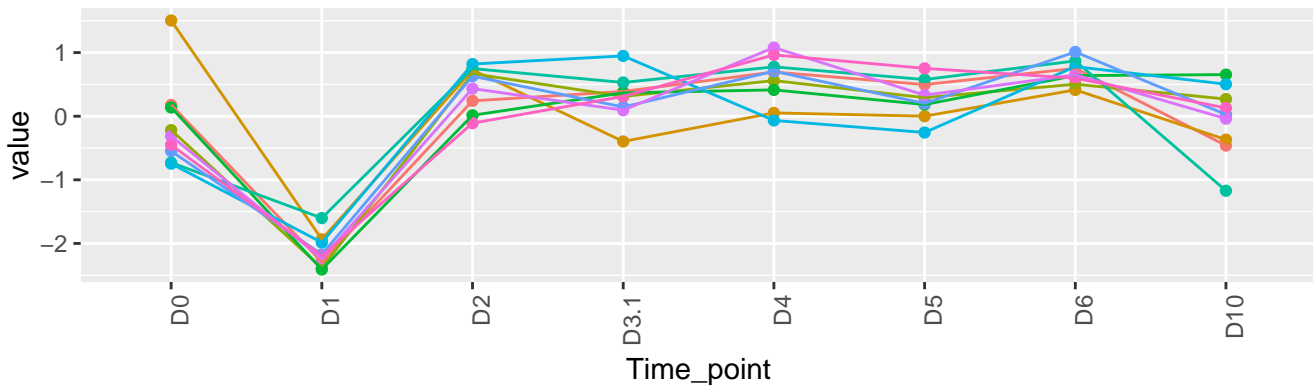
9 genes – KO-cluster-58-standardized



9 genes – WT-cluster-57-standardized

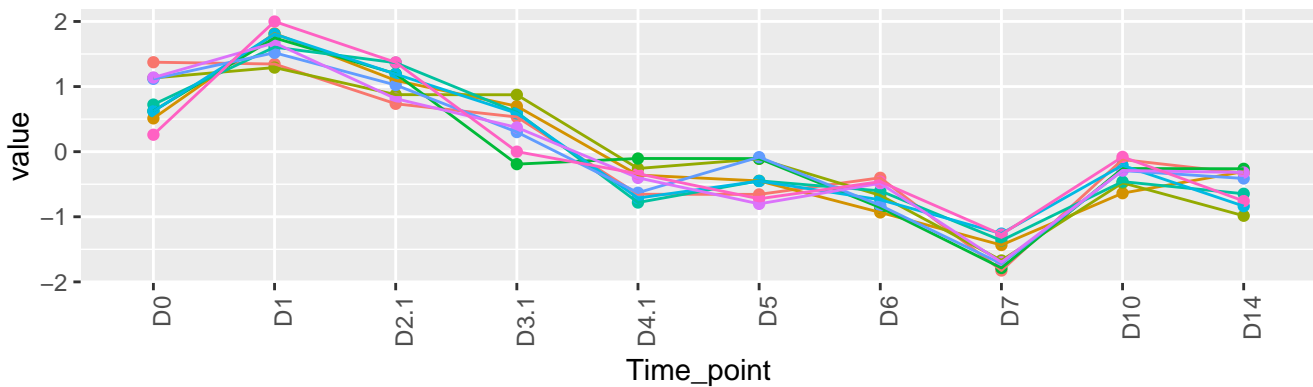


9 genes – KO-cluster-57-standardized

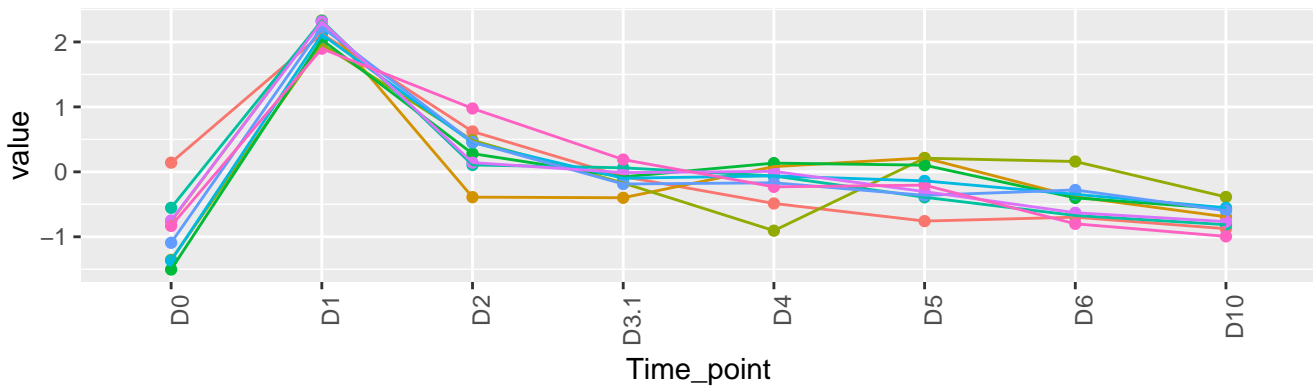




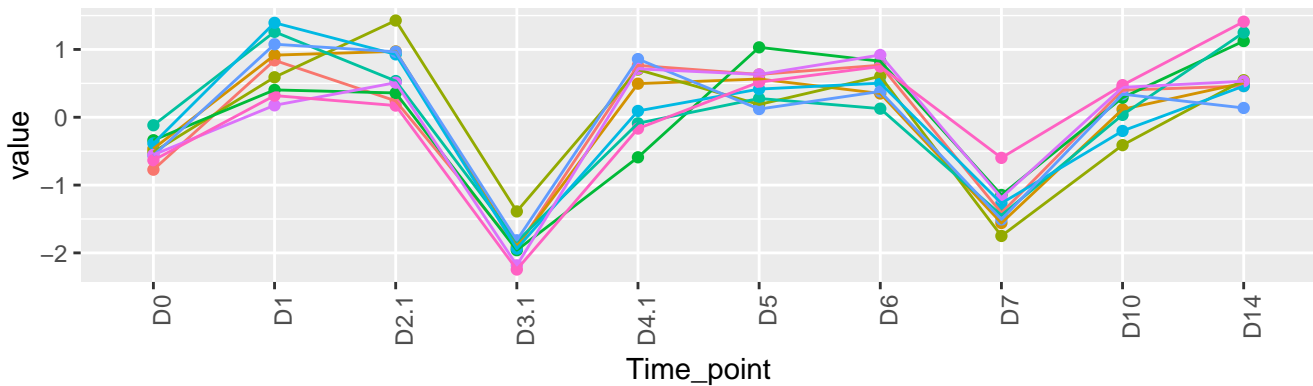
9 genes – WT-cluster-56-standardized



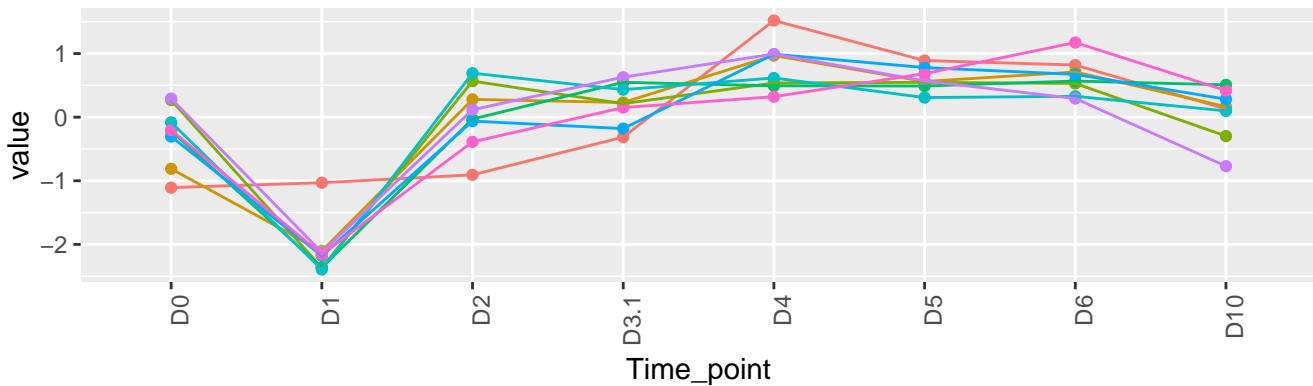
9 genes – KO-cluster-56-standardized



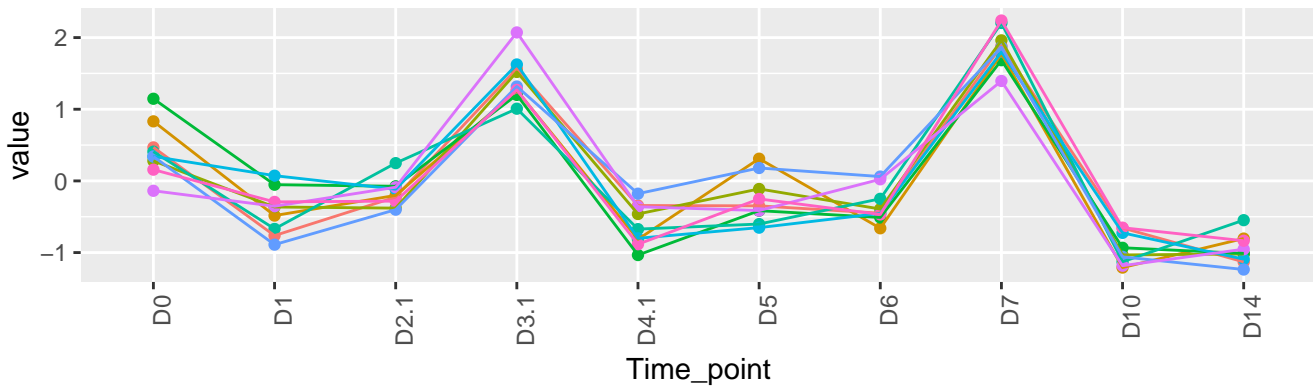
9 genes – WT-cluster-55-standardized



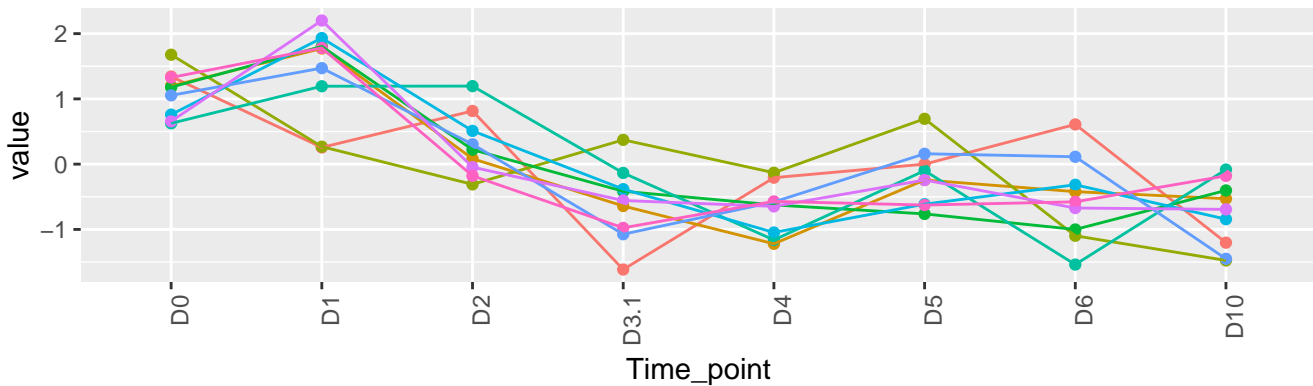
8 genes – KO-cluster-55-standardized



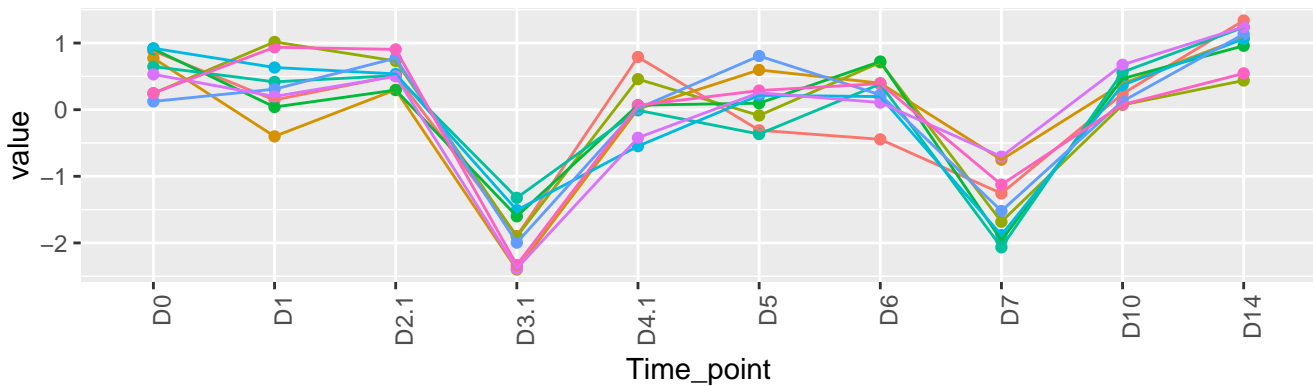
9 genes – WT-cluster-54-standardized



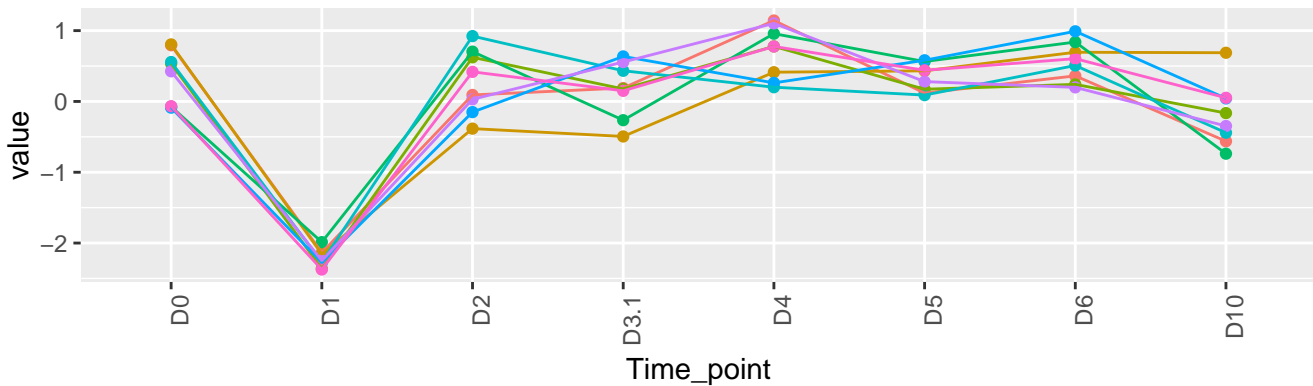
9 genes – KO-cluster-54-standardized



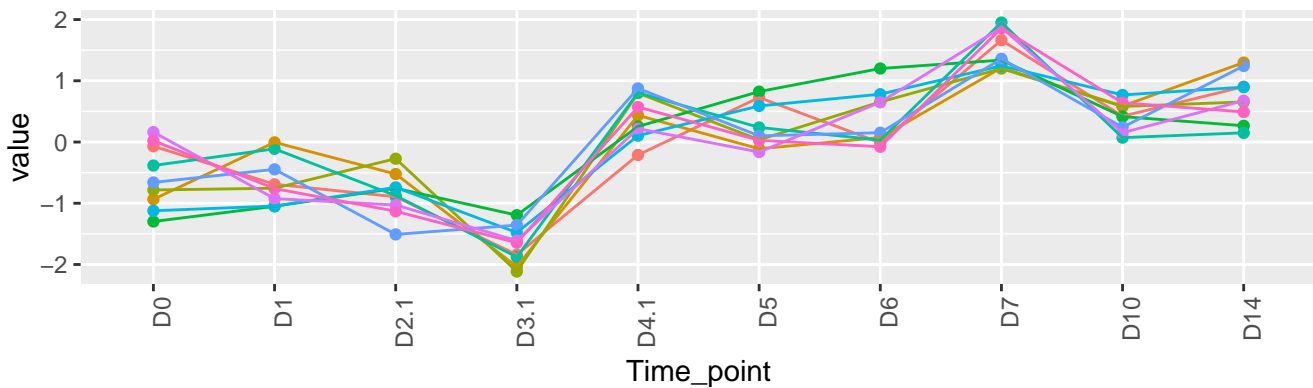
9 genes – WT-cluster-53-standardized



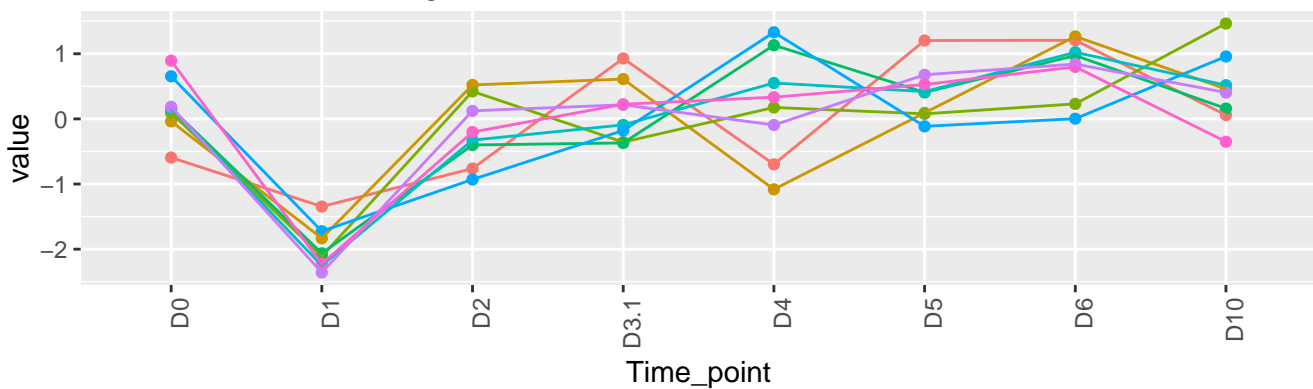
8 genes – KO-cluster-53-standardized



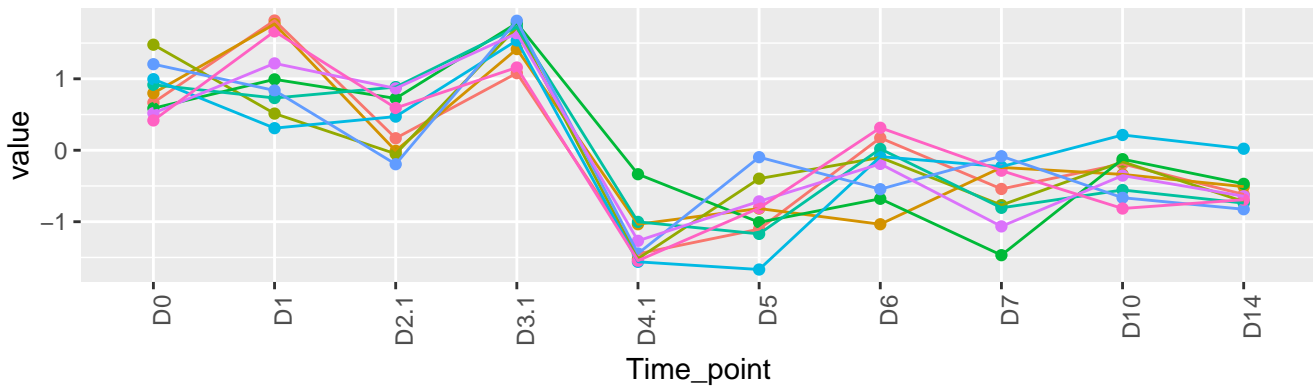
9 genes – WT-cluster-52-standardized



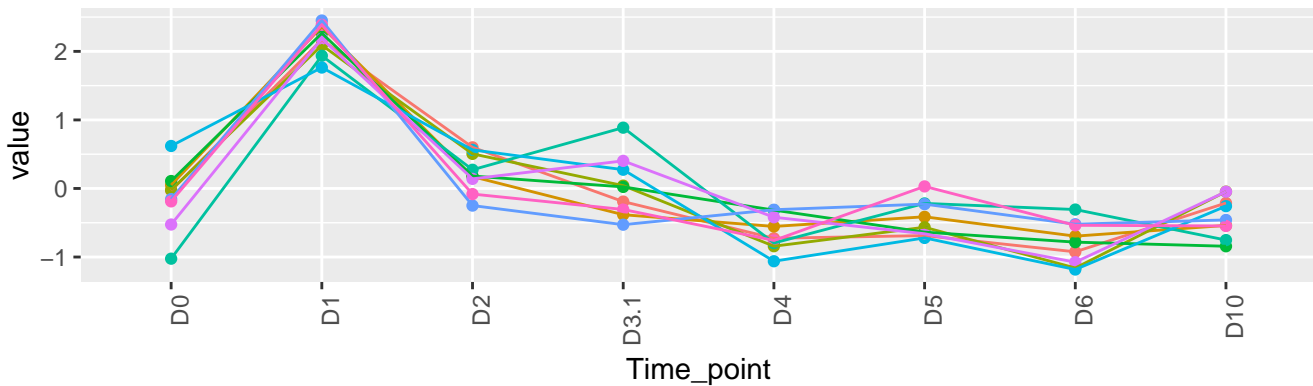
8 genes – KO-cluster-52-standardized



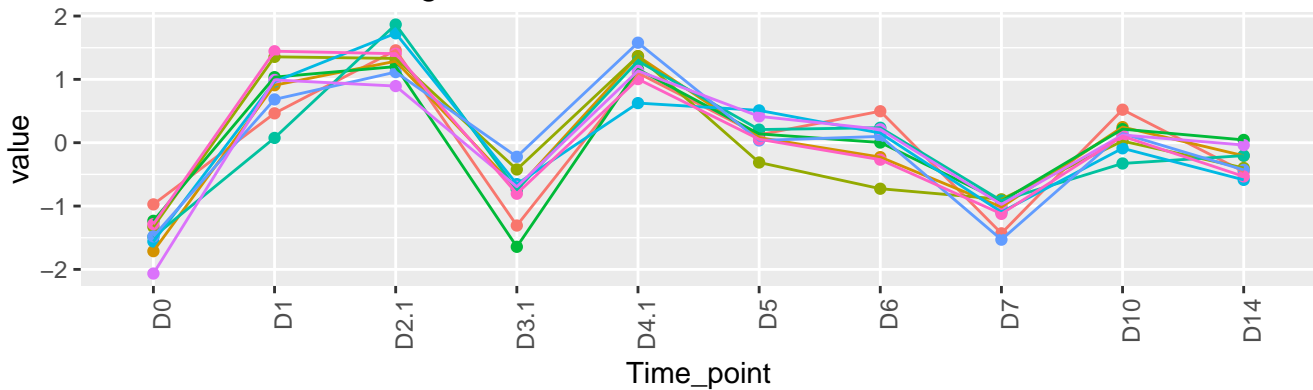
9 genes – WT-cluster-51-standardized



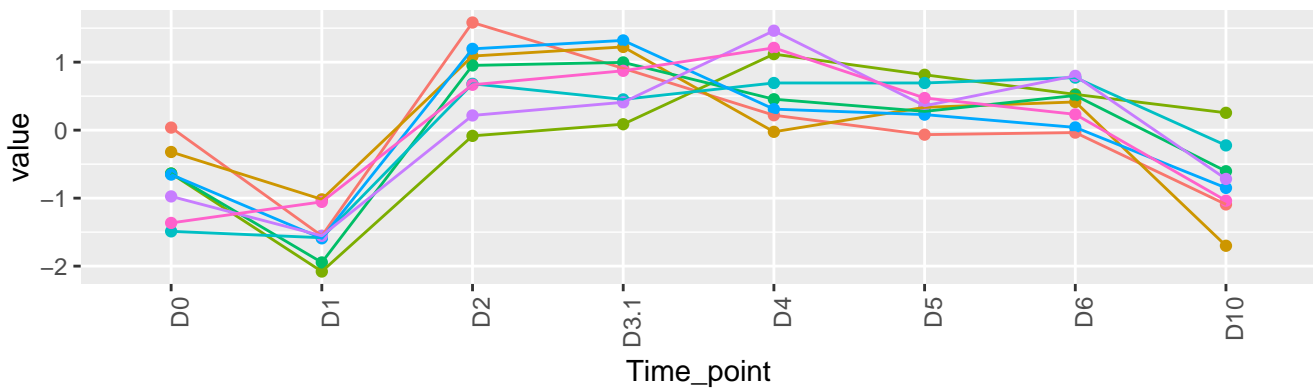
9 genes – KO-cluster-51-standardized



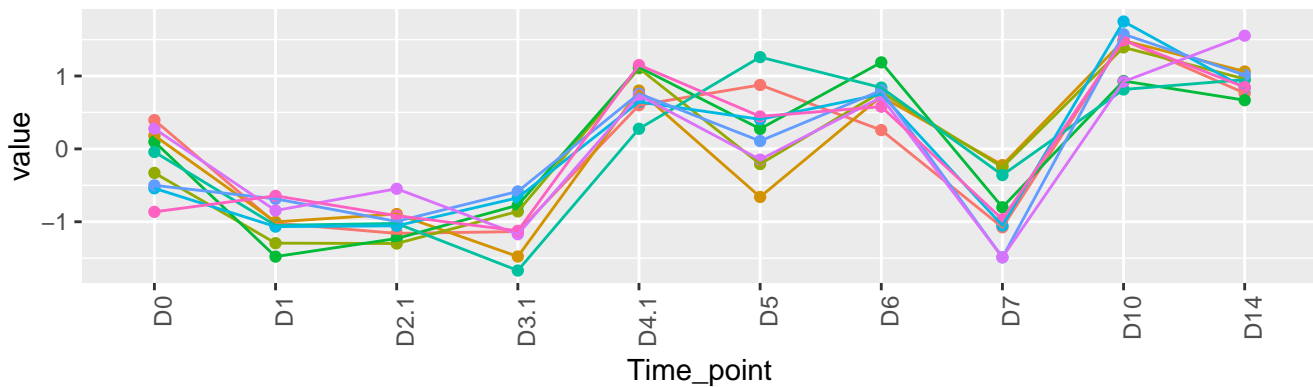
9 genes – WT-cluster-50-standardized



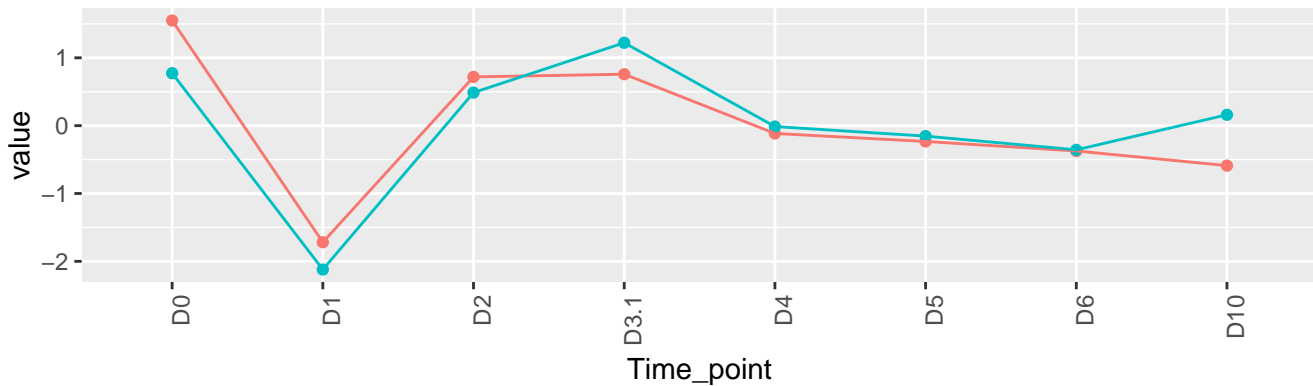
8 genes – KO-cluster-50-standardized



9 genes – WT-cluster-49-standardized

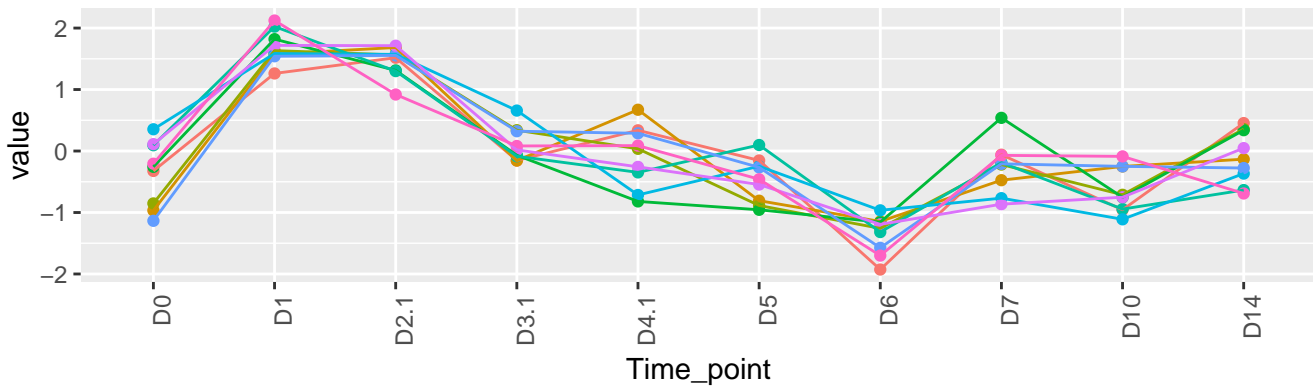


2 genes – KO-cluster-49-standardized

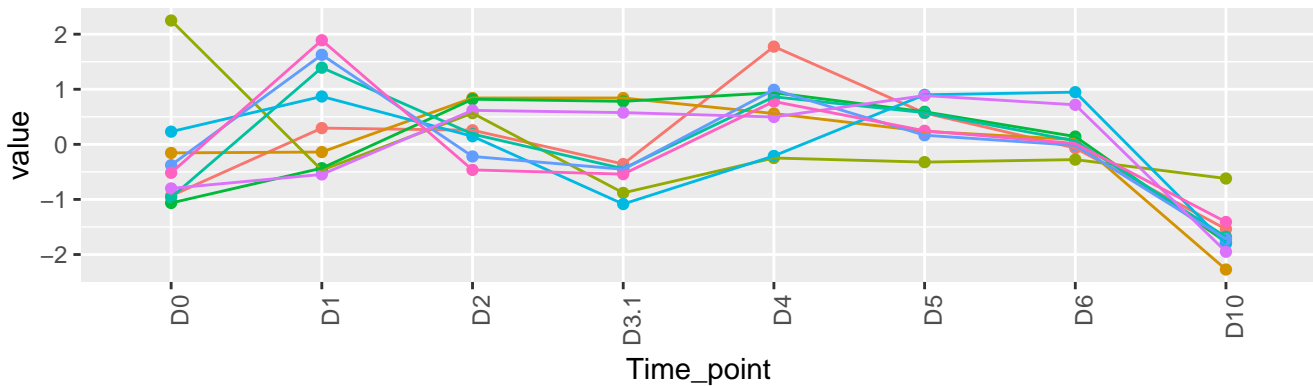




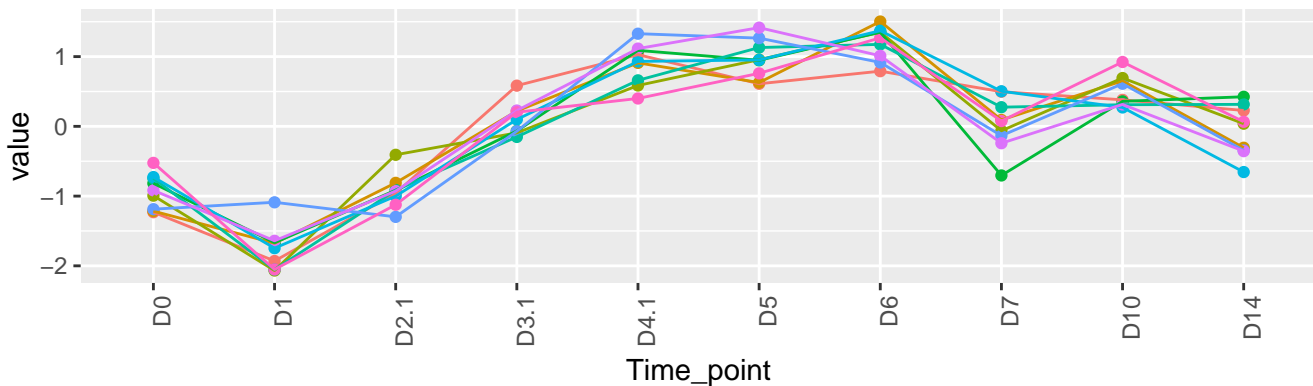
9 genes – WT-cluster-48-standardized



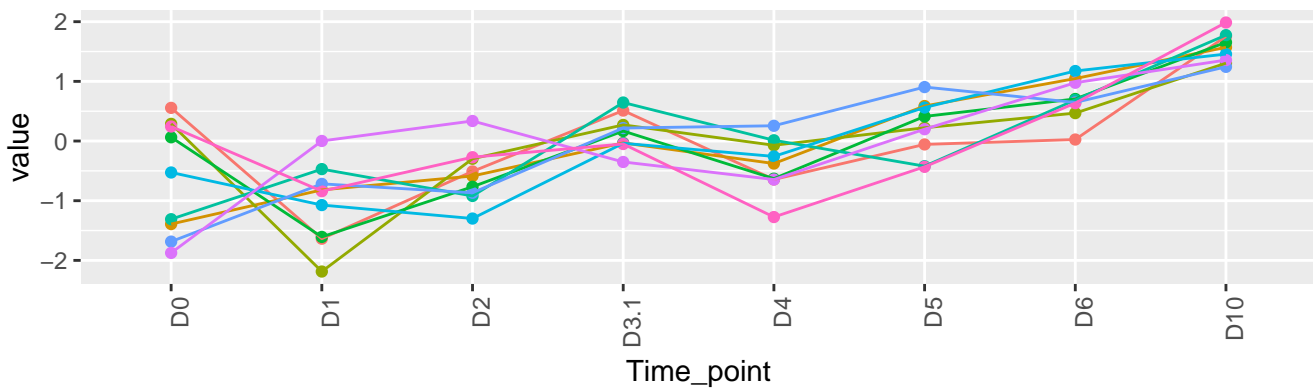
9 genes – KO-cluster-48-standardized



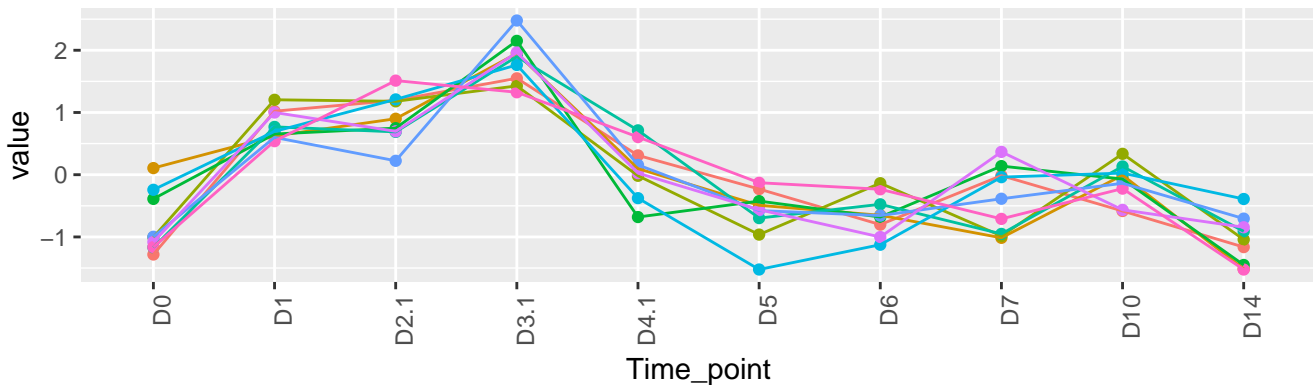
9 genes – WT-cluster-47-standardized



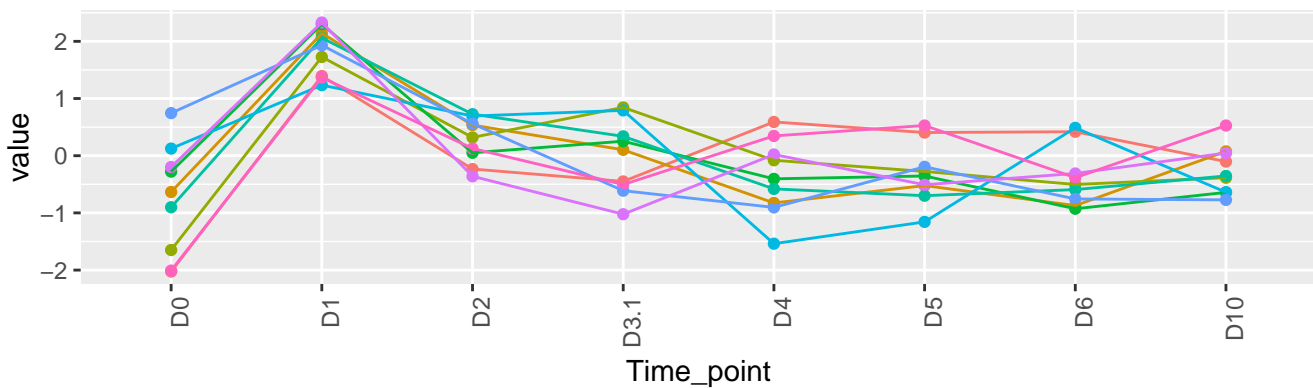
9 genes – KO-cluster-47-standardized



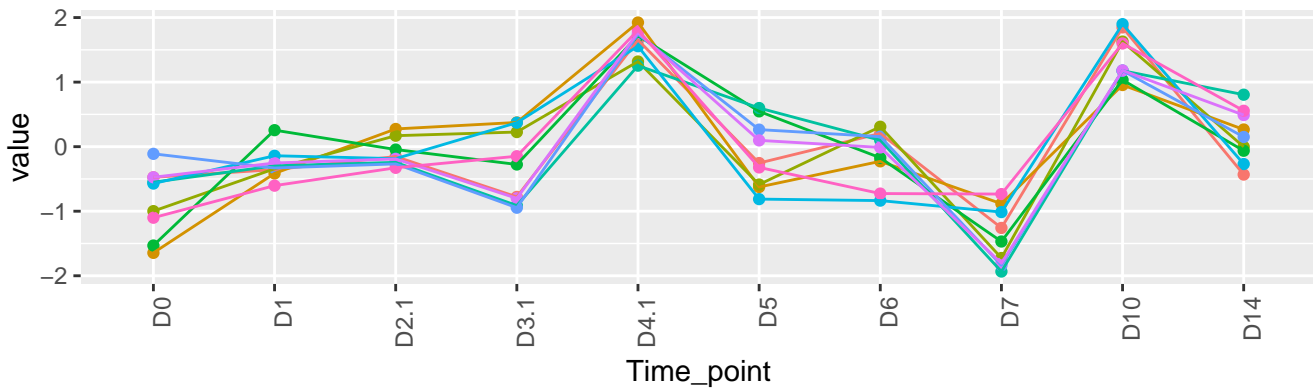
9 genes – WT-cluster-46-standardized



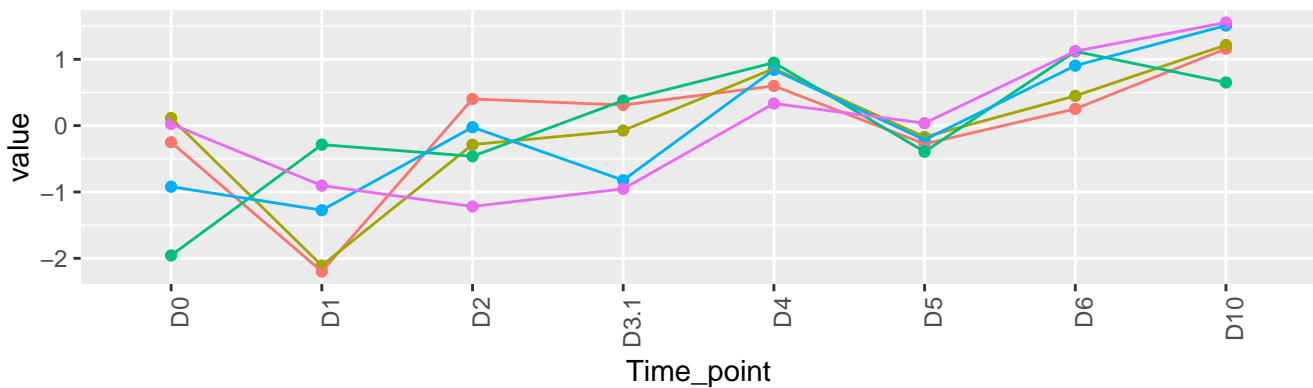
9 genes – KO-cluster-46-standardized



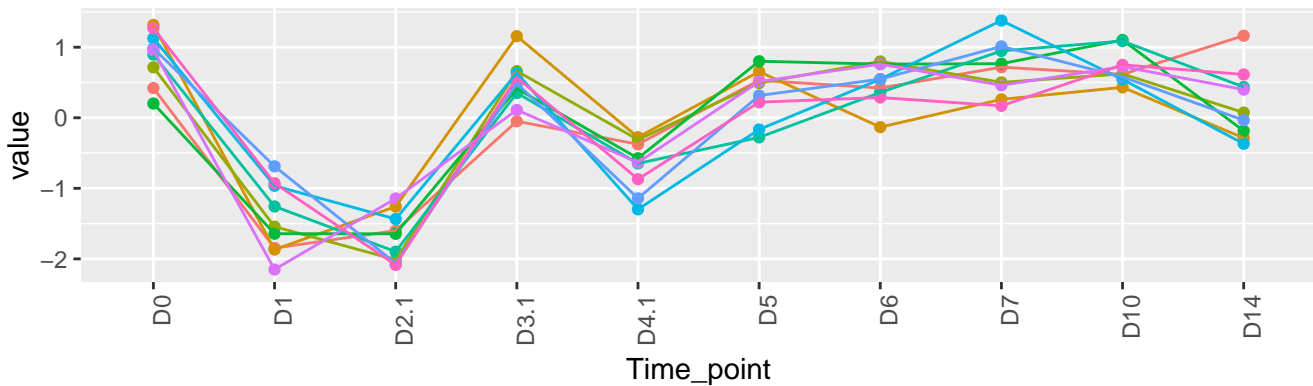
9 genes – WT-cluster-45-standardized



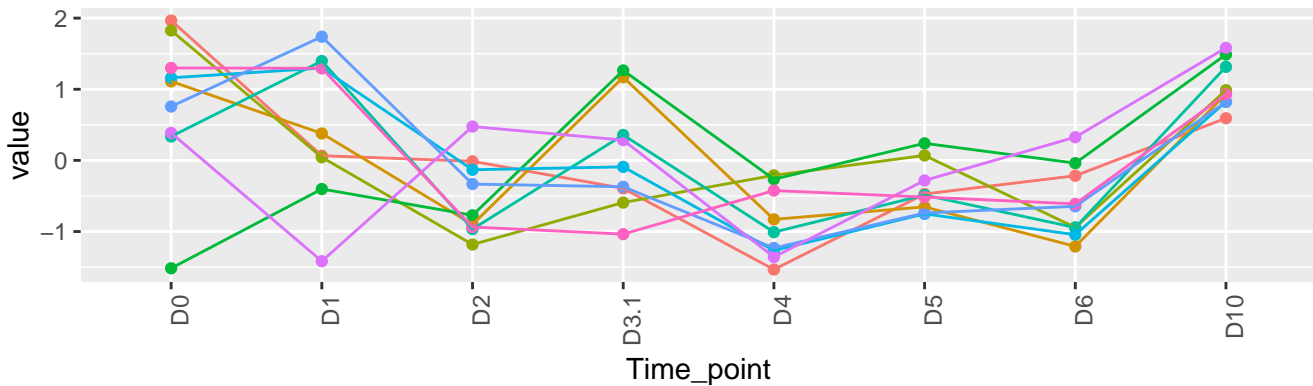
5 genes – KO-cluster-45-standardized



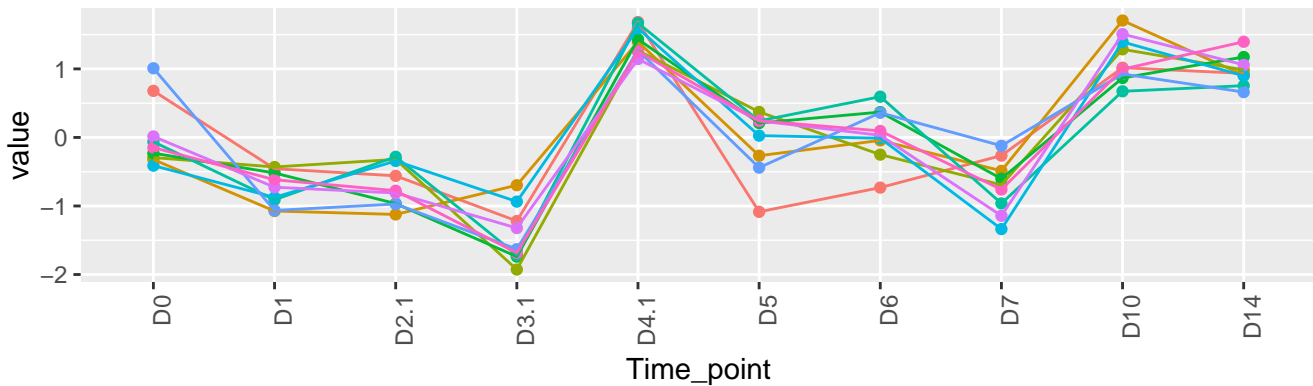
9 genes – WT-cluster-44-standardized



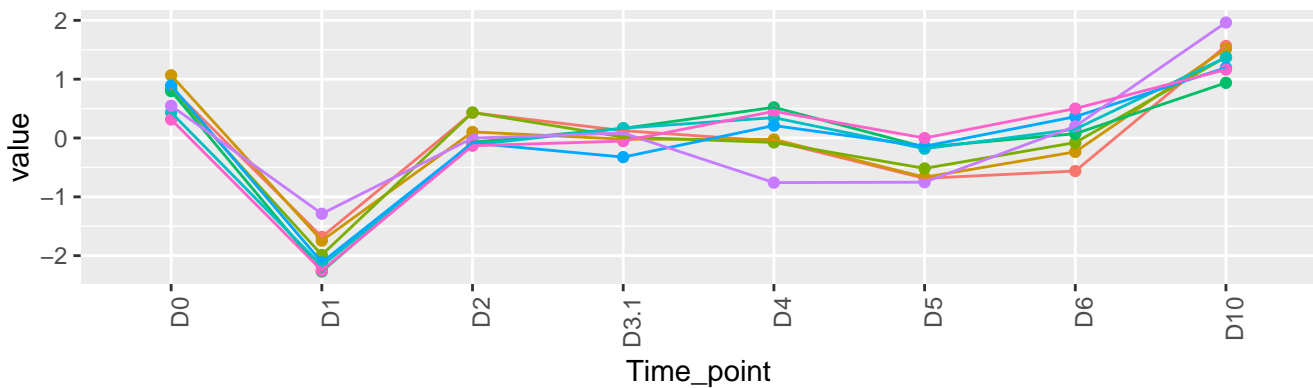
9 genes – KO-cluster-44-standardized



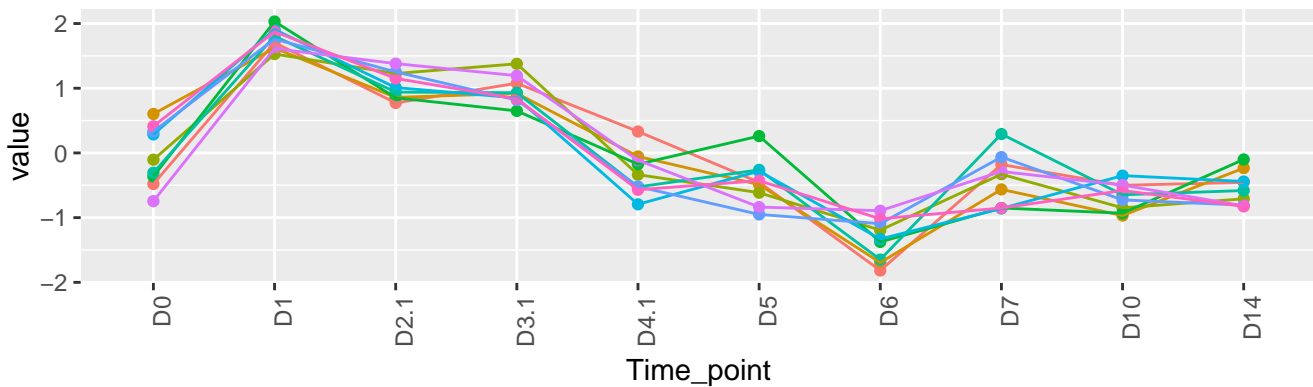
9 genes – WT-cluster-43-standardized



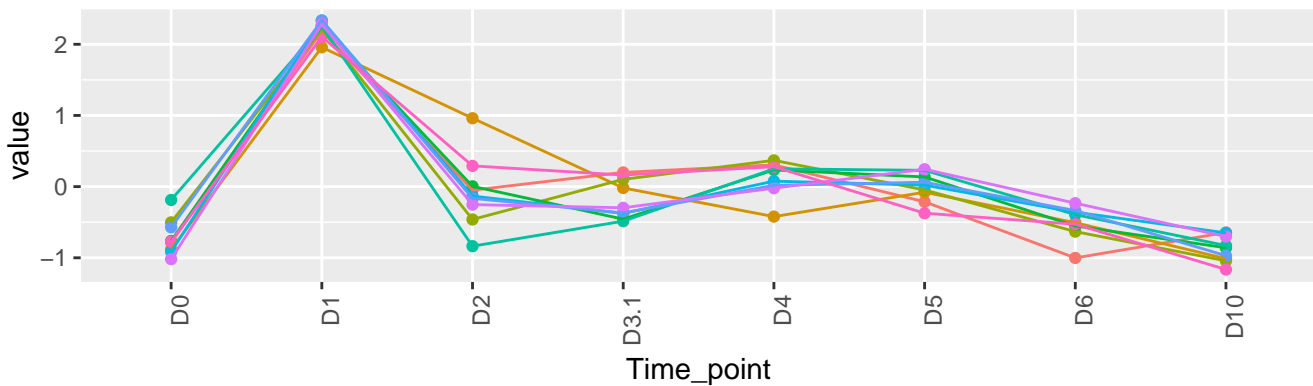
8 genes – KO-cluster-43-standardized



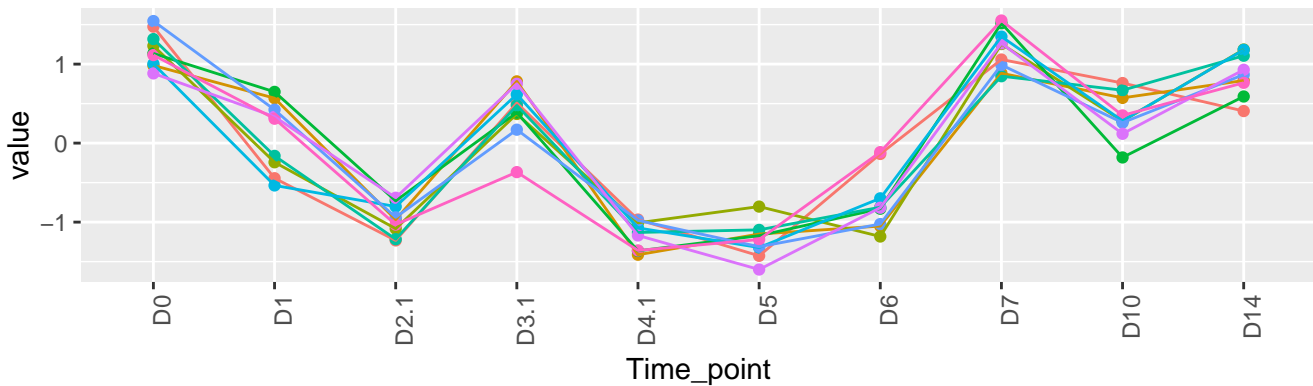
9 genes – WT-cluster-42-standardized



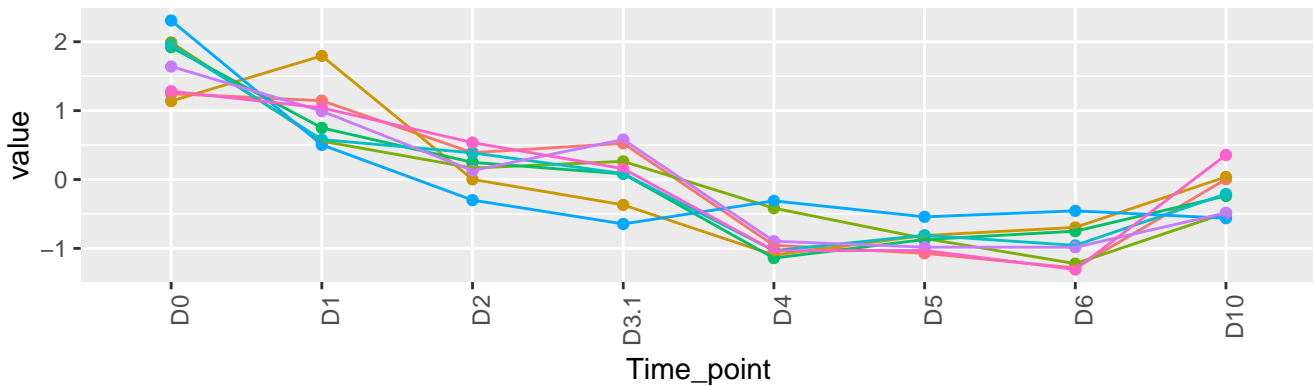
9 genes – KO-cluster-42-standardized



9 genes – WT-cluster-41-standardized

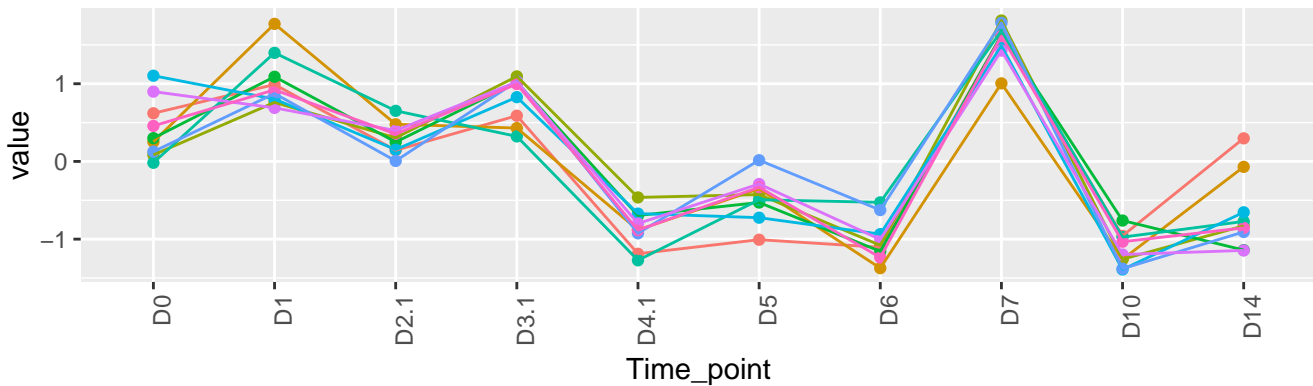


8 genes – KO-cluster-41-standardized

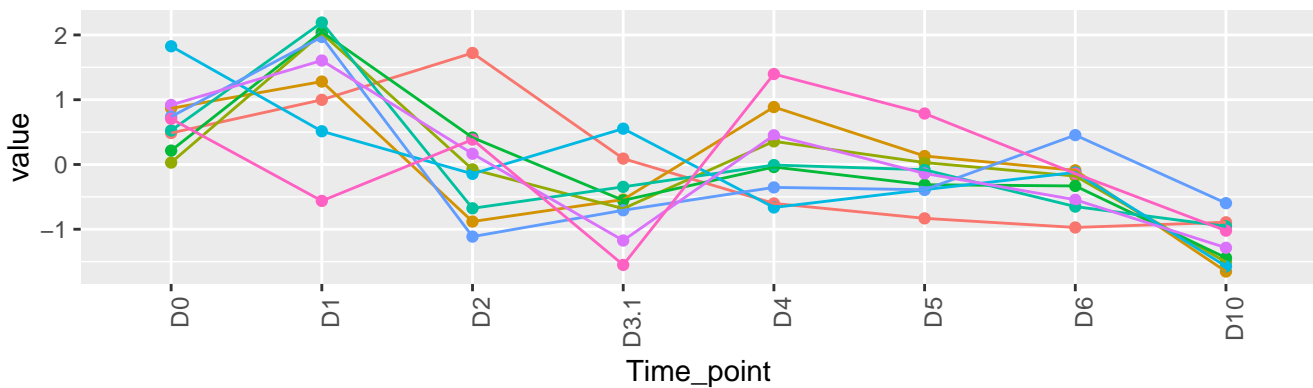




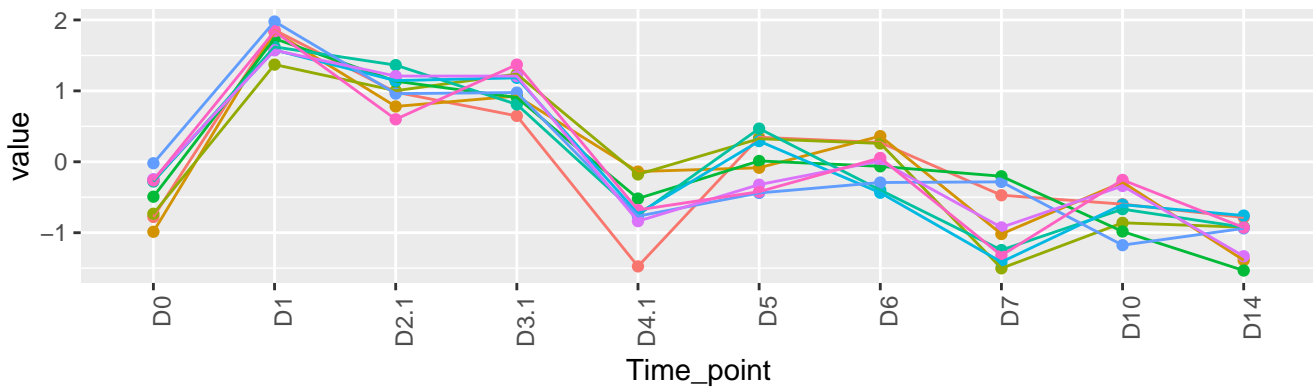
9 genes – WT-cluster-40-standardized



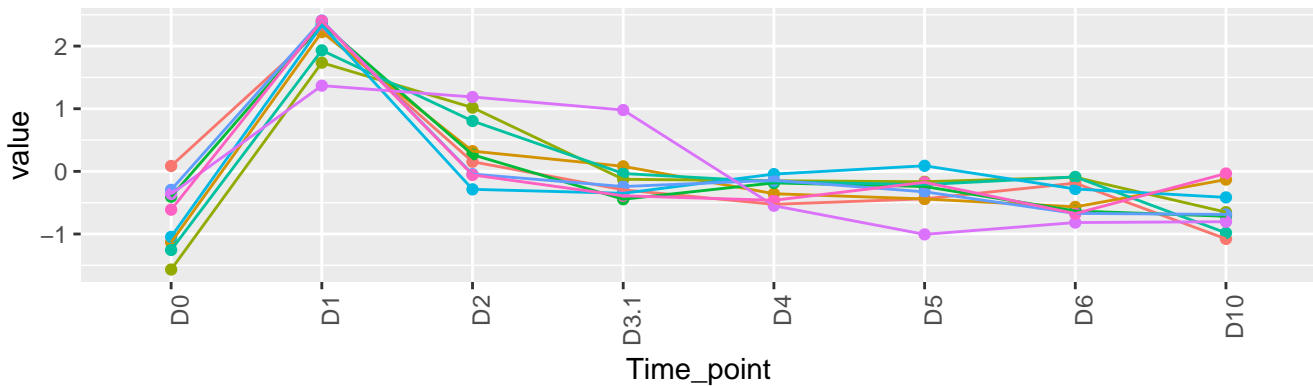
9 genes – KO-cluster-40-standardized



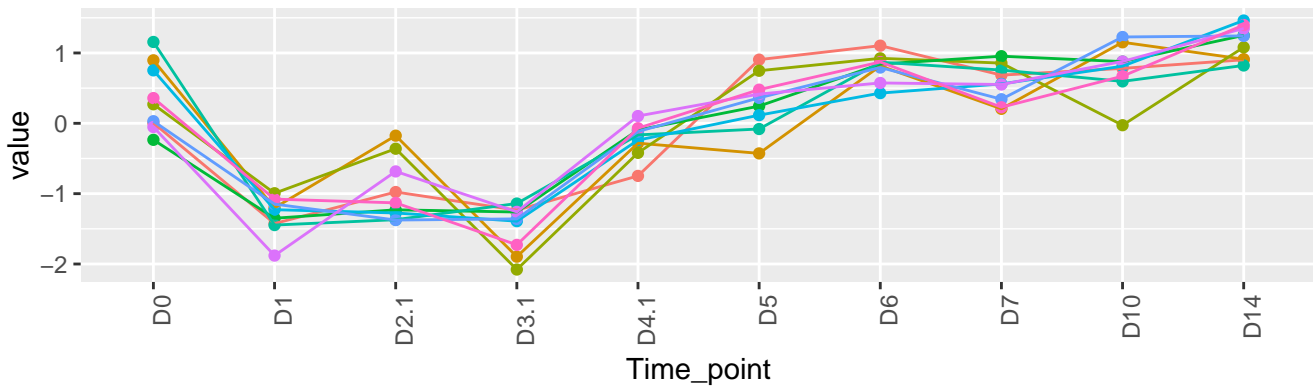
9 genes – WT-cluster-39-standardized



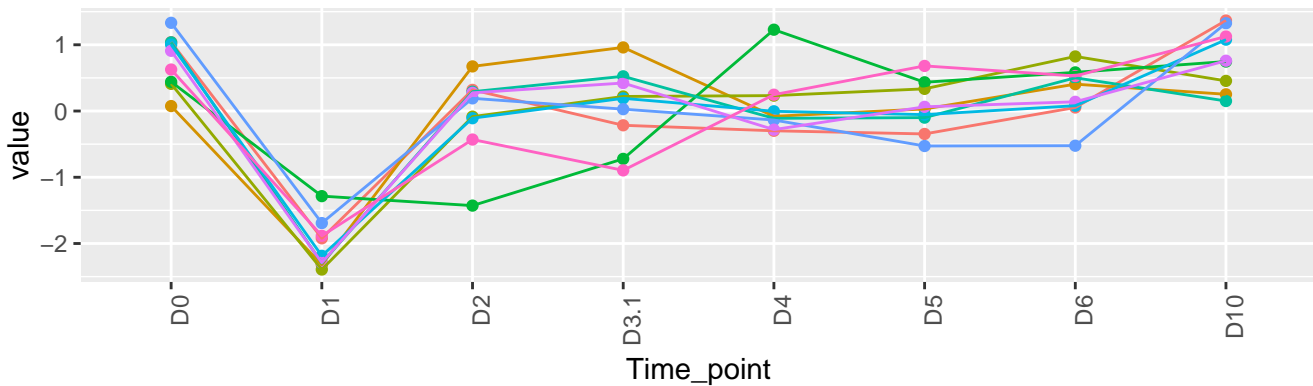
9 genes – KO-cluster-39-standardized



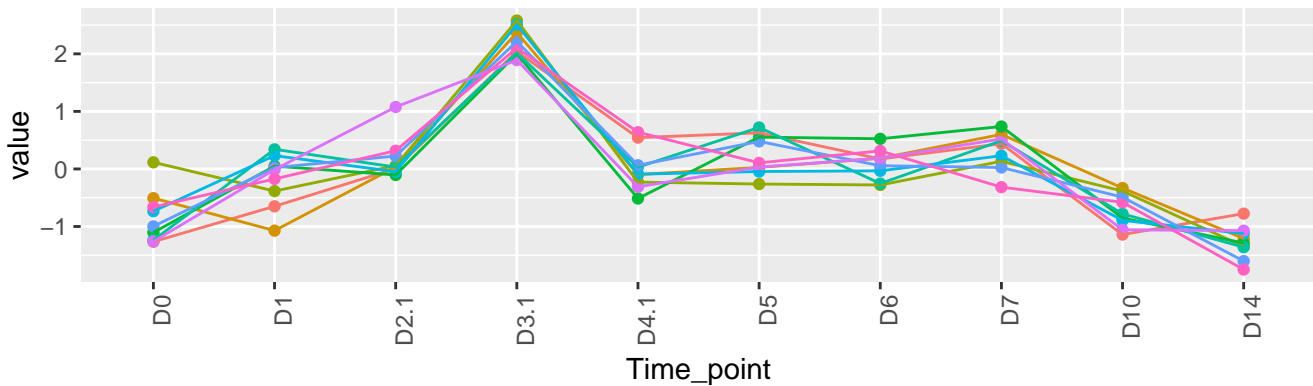
9 genes – WT-cluster-38-standardized



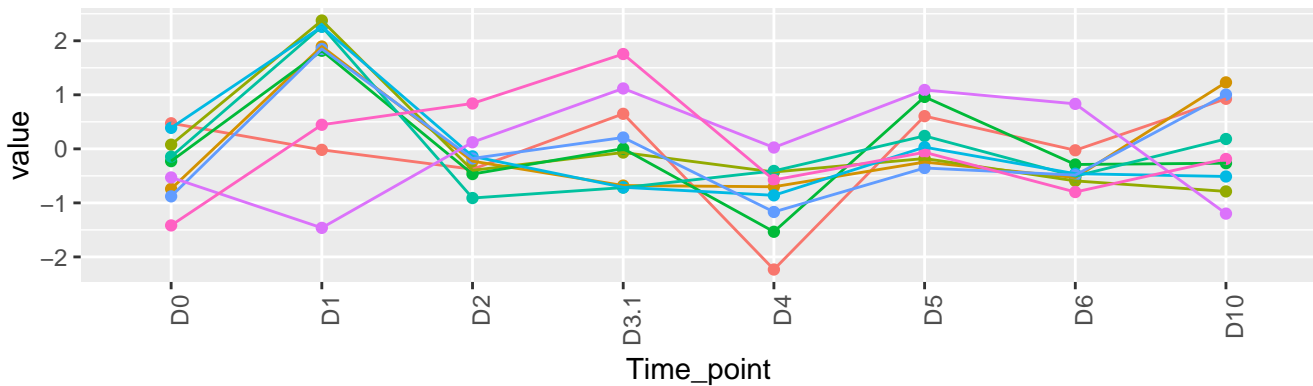
9 genes – KO-cluster-38-standardized



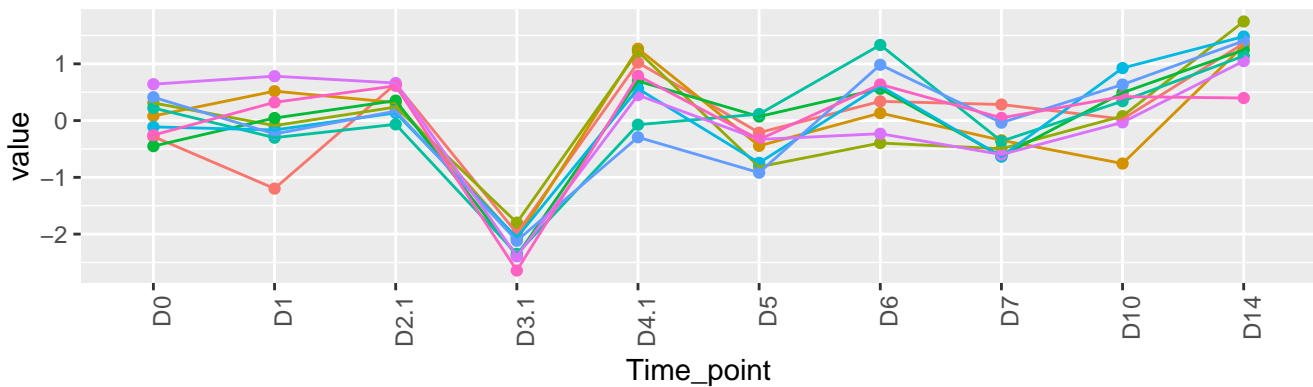
9 genes – WT-cluster-37-standardized



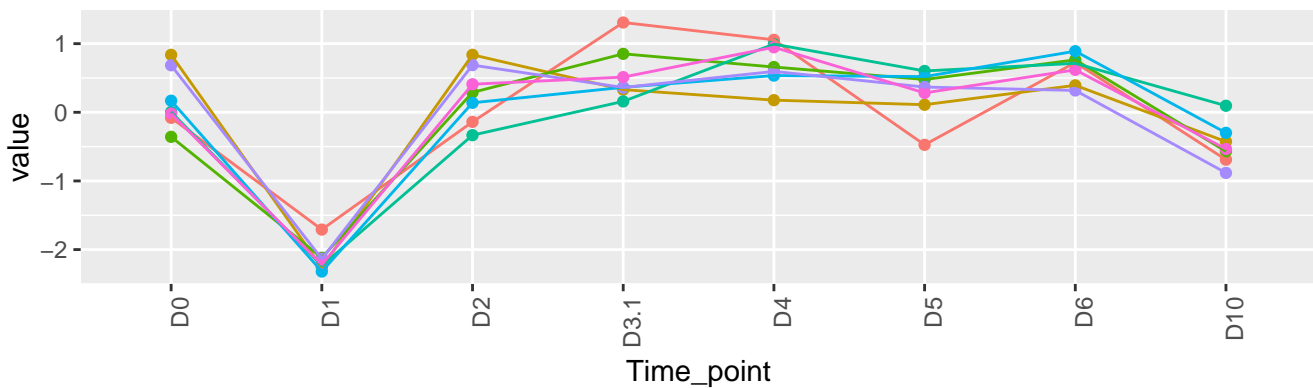
9 genes – KO-cluster-37-standardized



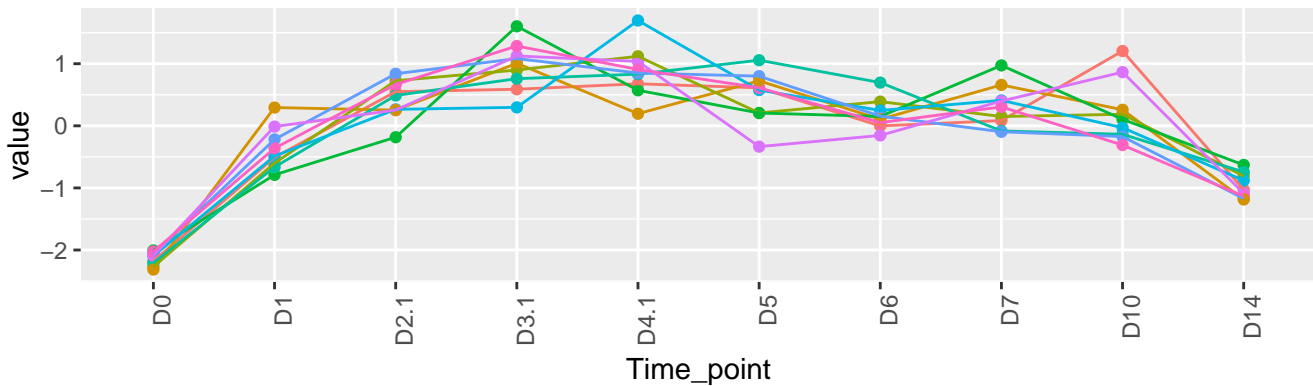
9 genes – WT-cluster-36-standardized



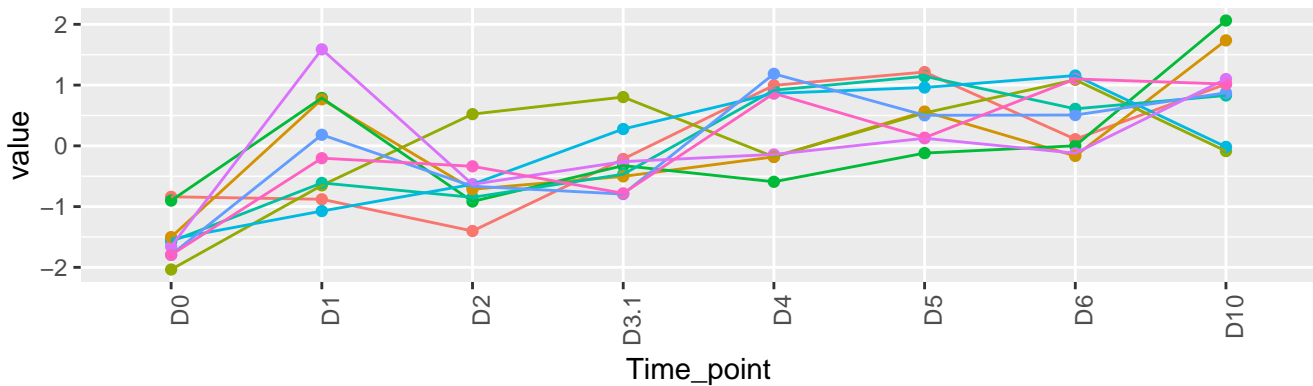
7 genes – KO-cluster-36-standardized



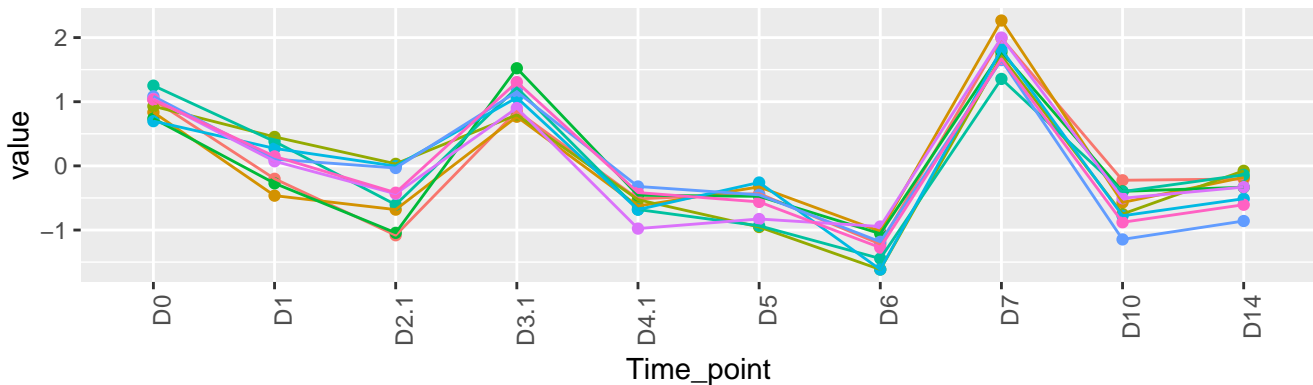
9 genes – WT-cluster-35-standardized



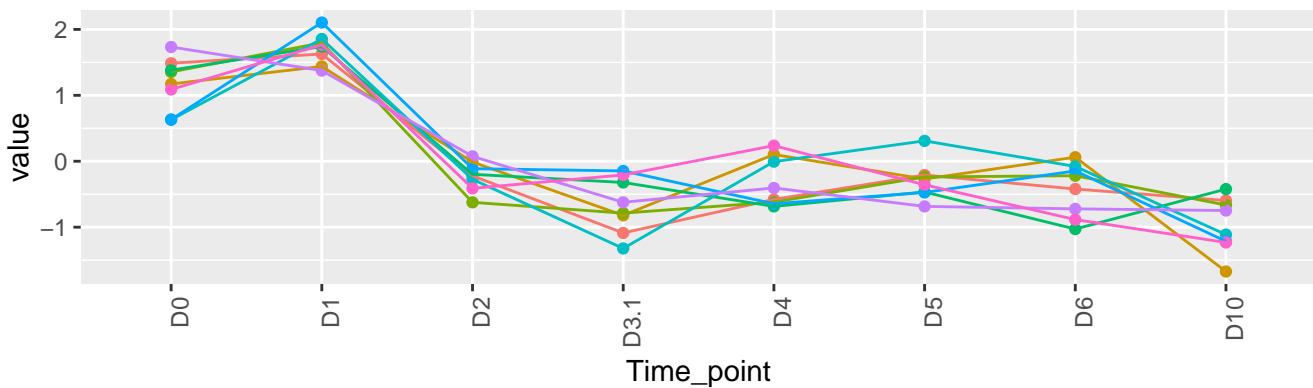
9 genes – KO-cluster-35-standardized



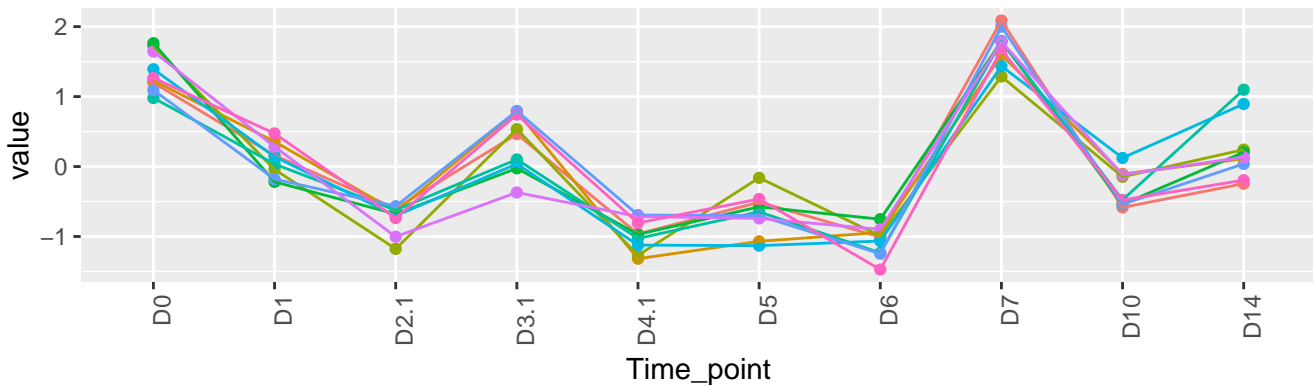
9 genes – WT-cluster-34-standardized



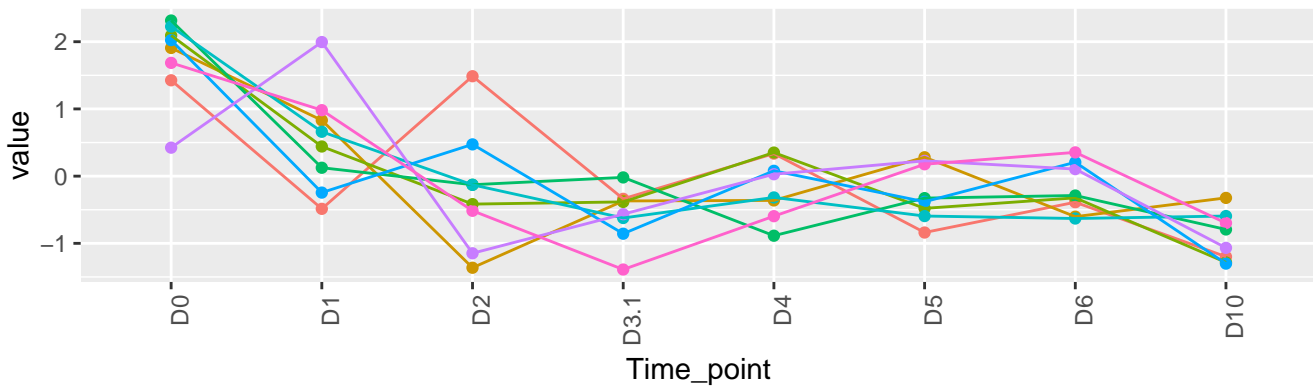
8 genes – KO-cluster-34-standardized



9 genes – WT-cluster-33-standardized

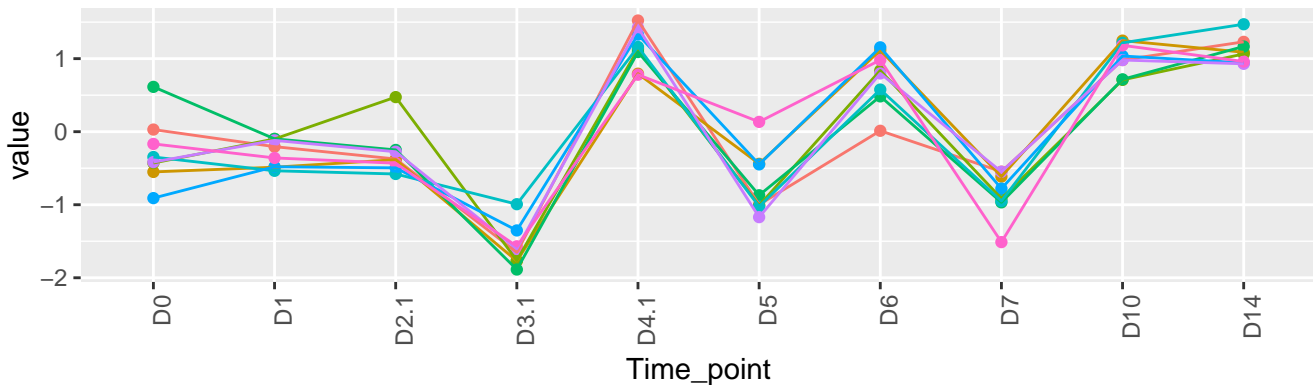


8 genes – KO-cluster-33-standardized

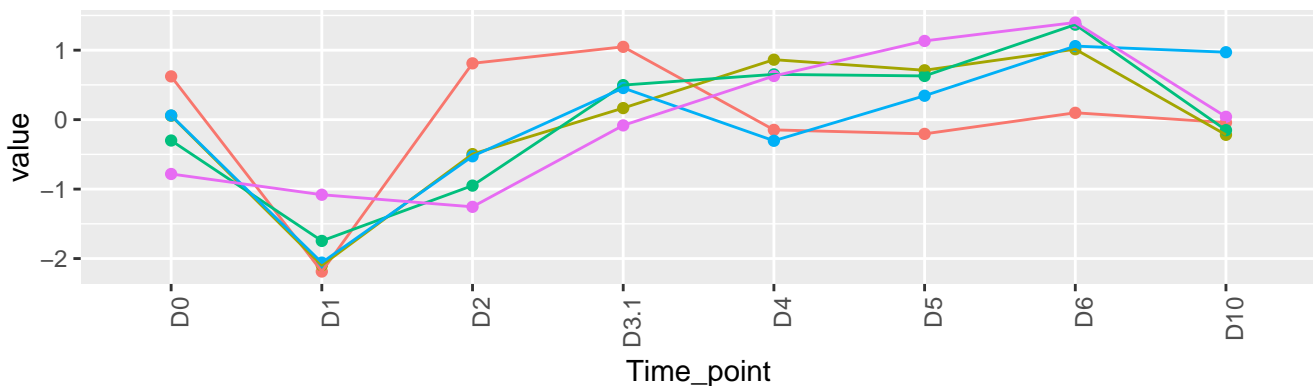




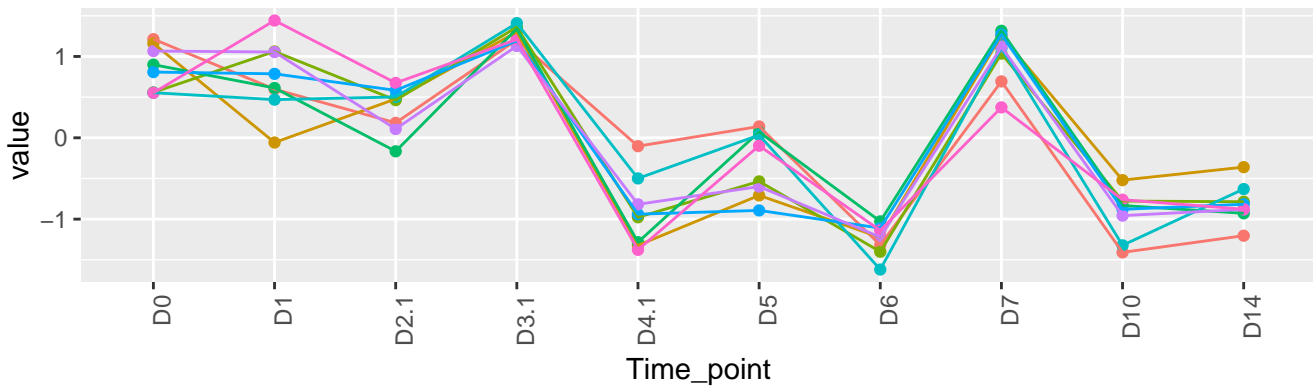
8 genes – WT-cluster-32-standardized



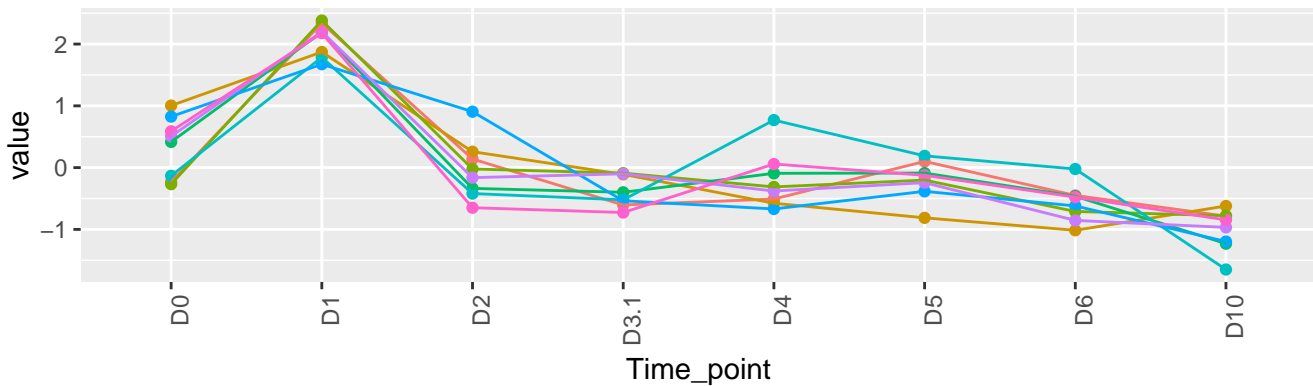
5 genes – KO-cluster-32-standardized



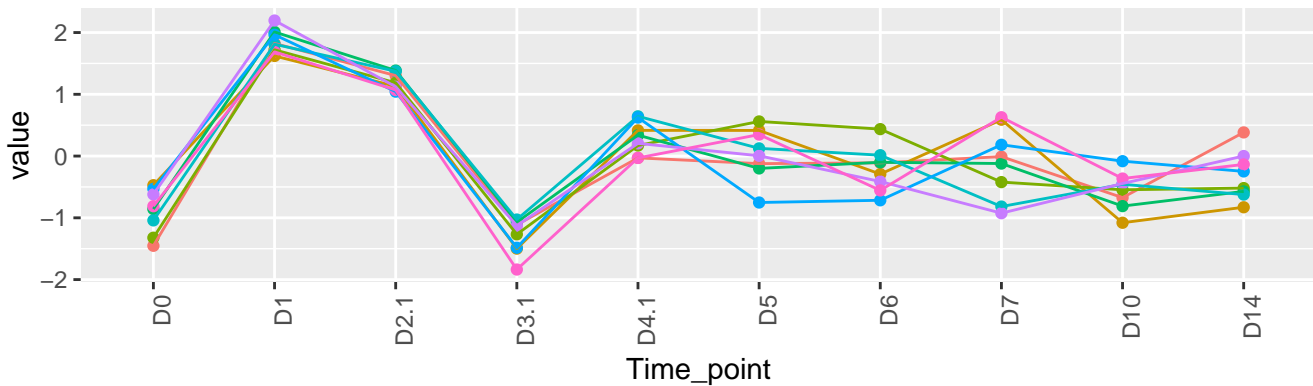
8 genes – WT-cluster-31-standardized



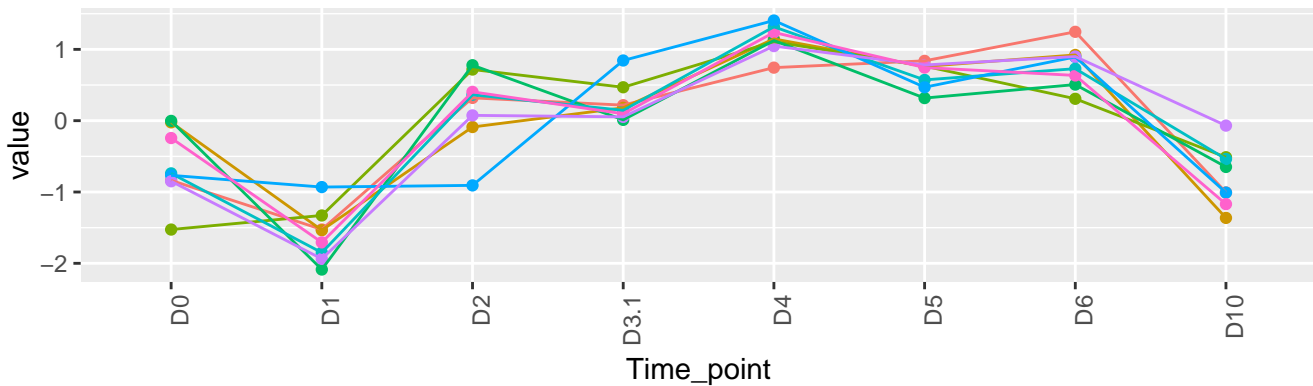
8 genes – KO-cluster-31-standardized



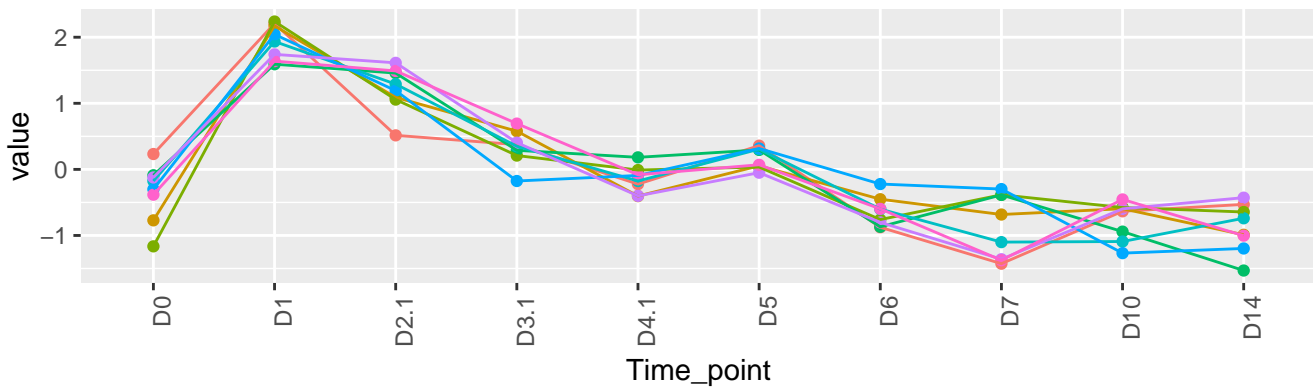
8 genes – WT-cluster-30-standardized



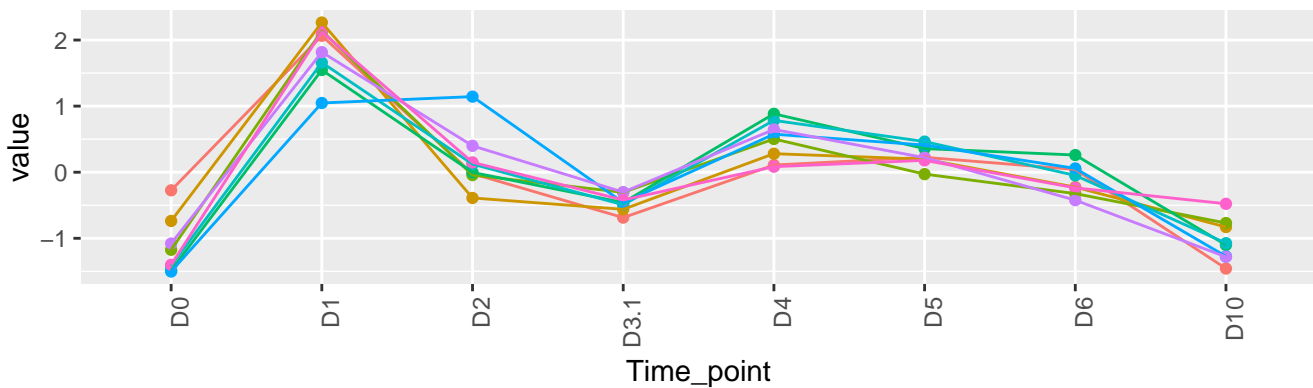
8 genes – KO-cluster-30-standardized



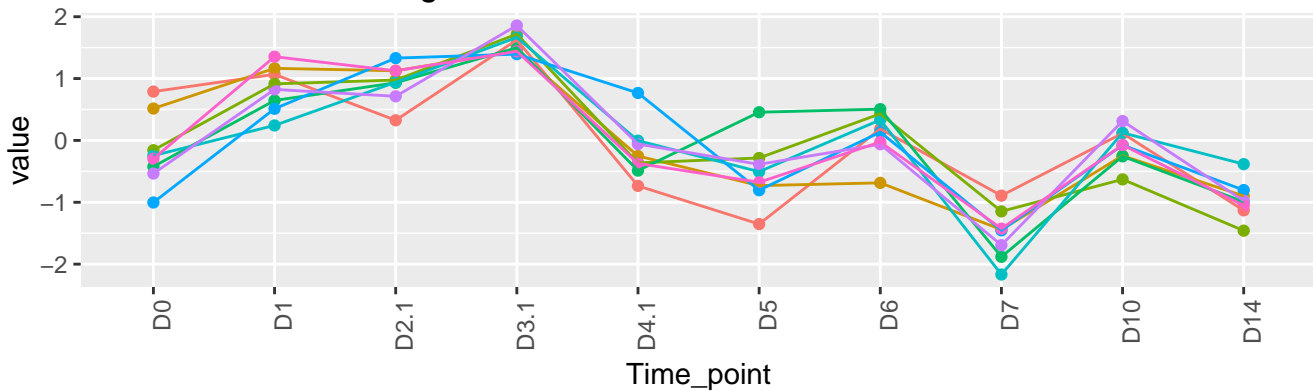
8 genes – WT-cluster-29-standardized



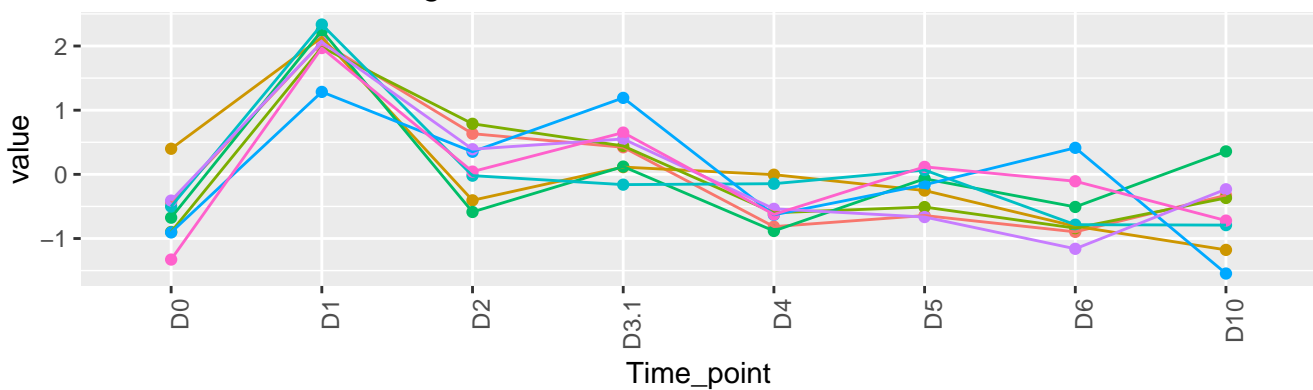
8 genes – KO-cluster-29-standardized



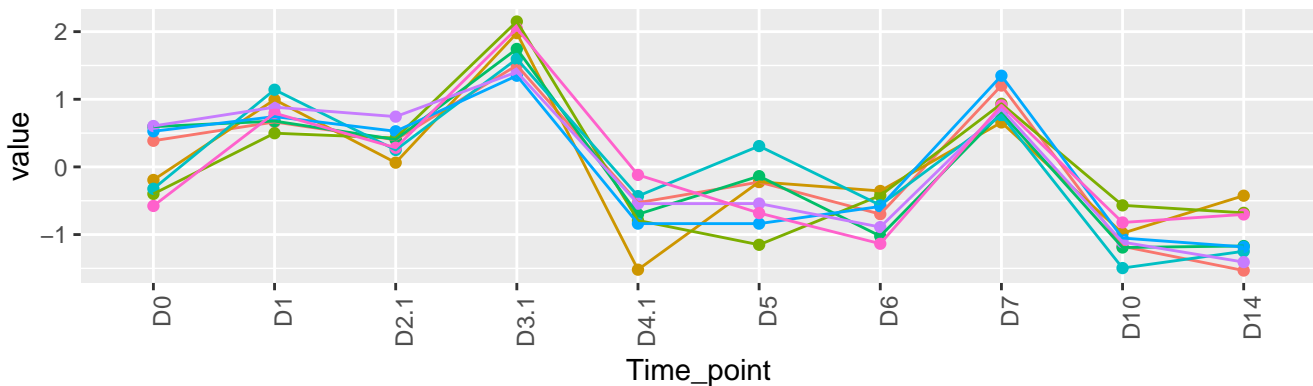
8 genes – WT-cluster-28-standardized



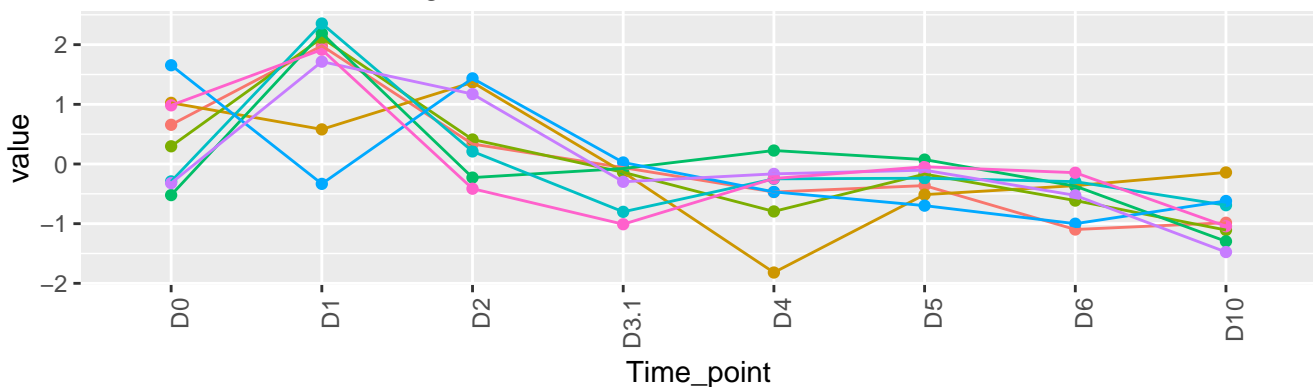
8 genes – KO-cluster-28-standardized



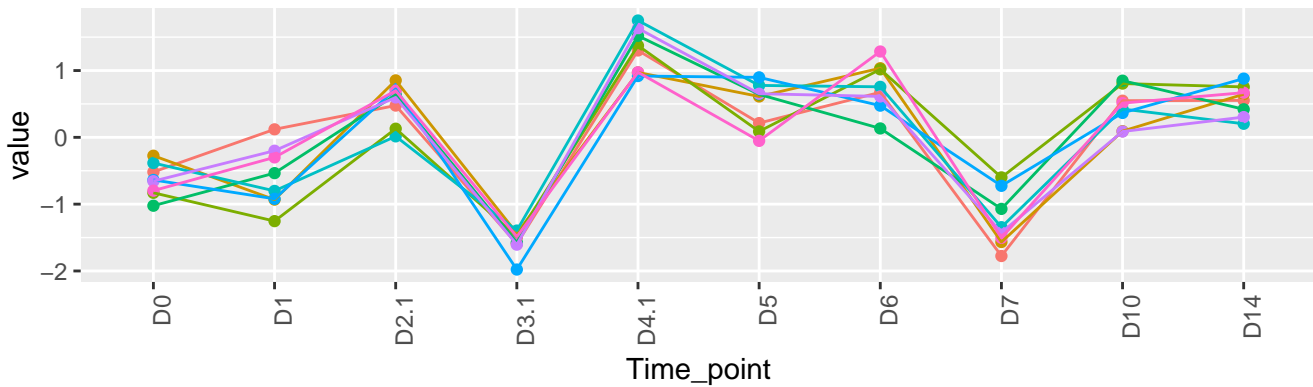
8 genes – WT-cluster-27-standardized



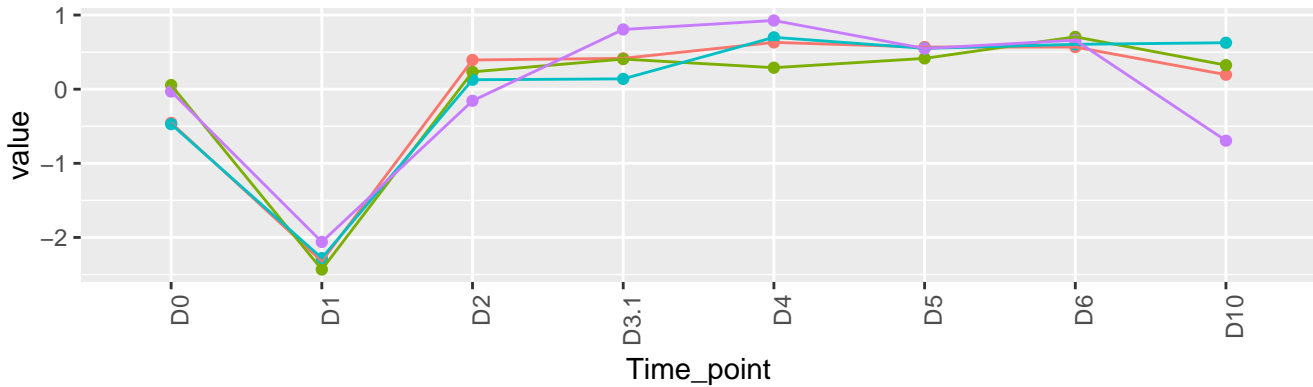
8 genes – KO-cluster-27-standardized



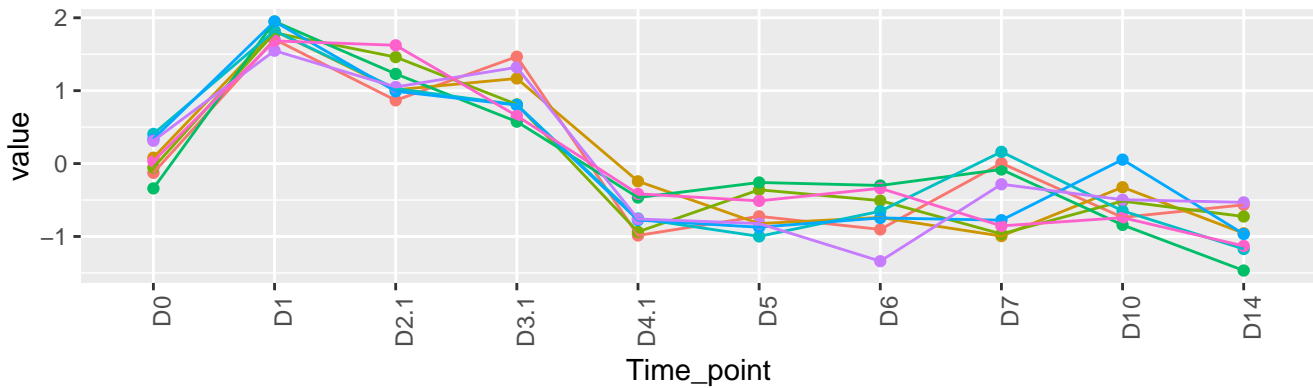
8 genes – WT-cluster-26-standardized



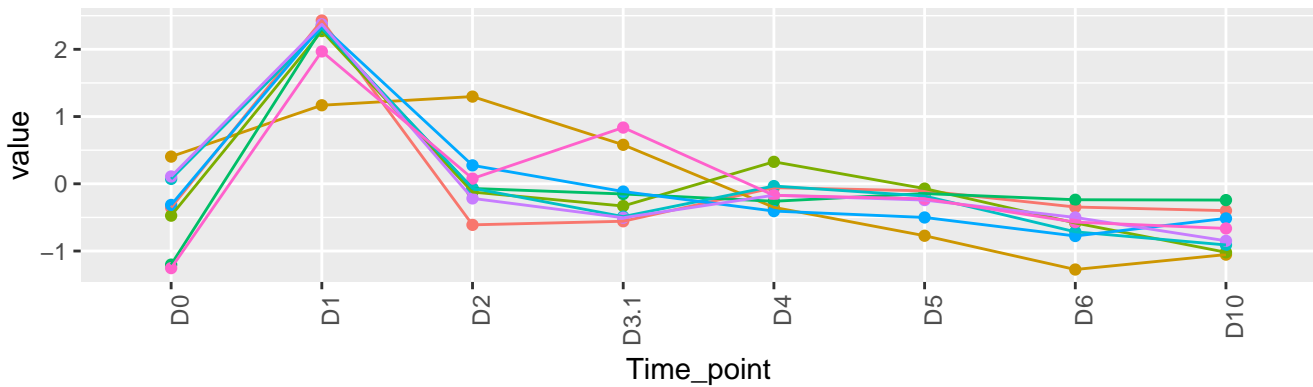
4 genes – KO-cluster-26-standardized



8 genes – WT-cluster-25-standardized

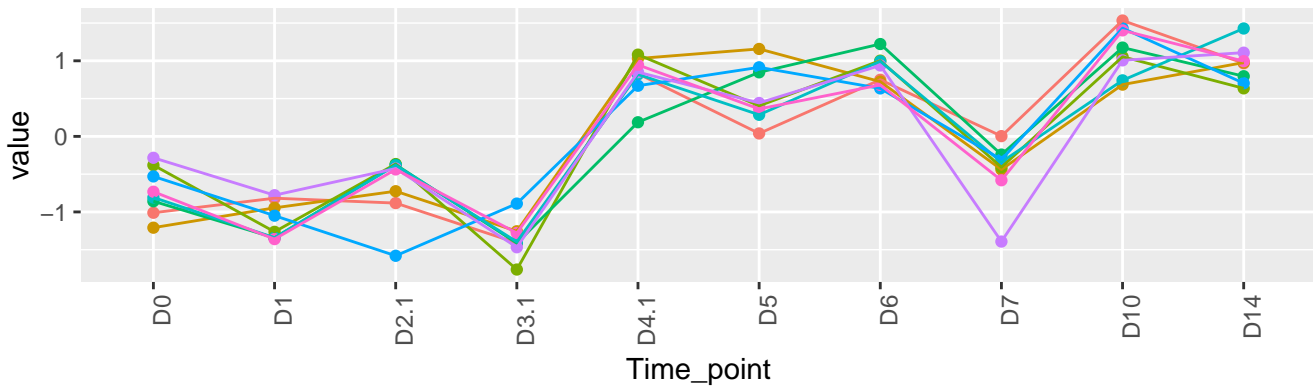


8 genes – KO-cluster-25-standardized

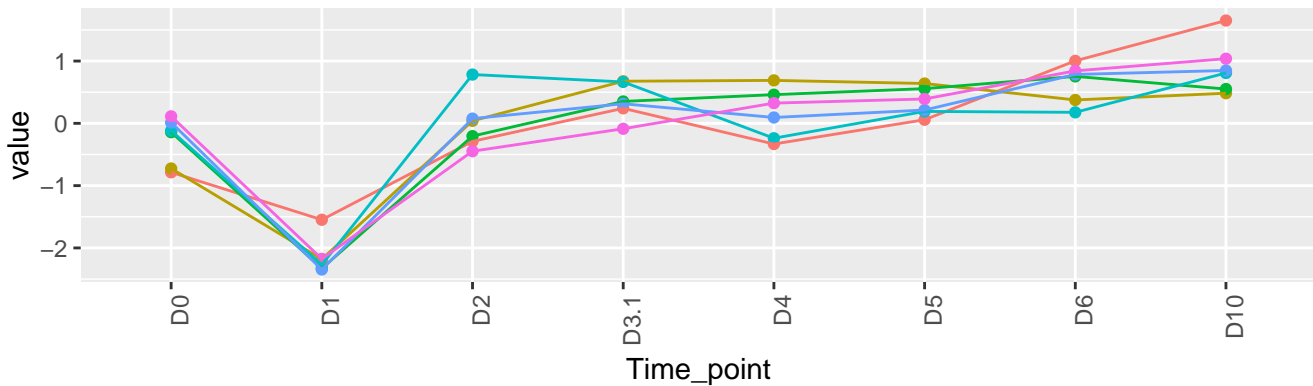




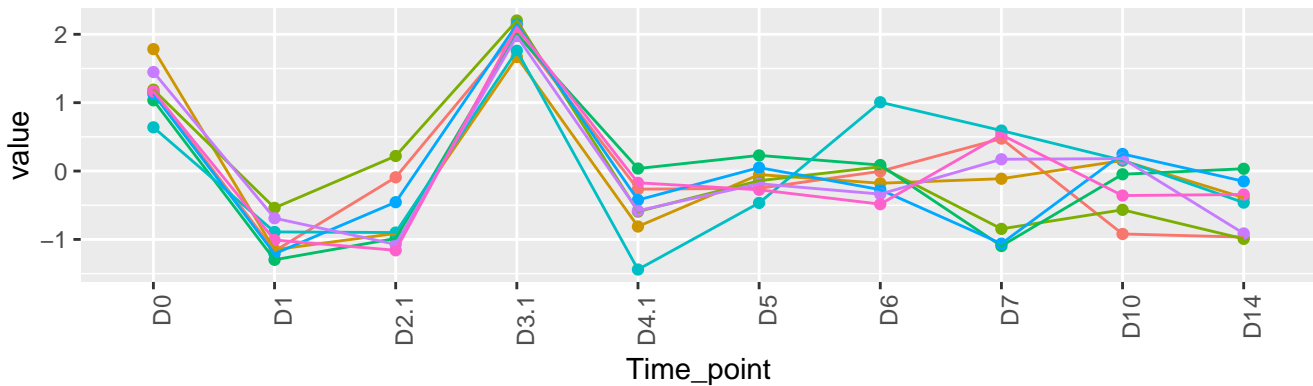
8 genes – WT-cluster-24-standardized



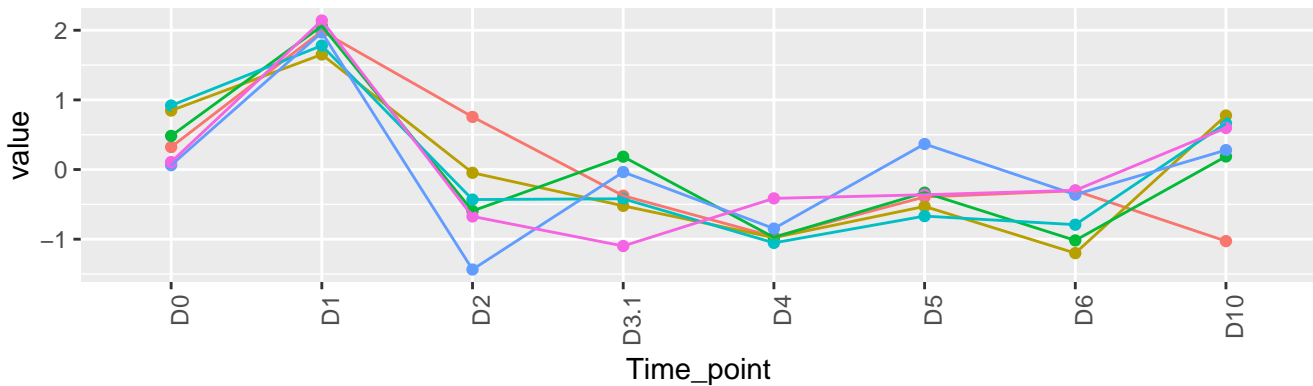
6 genes – KO-cluster-24-standardized



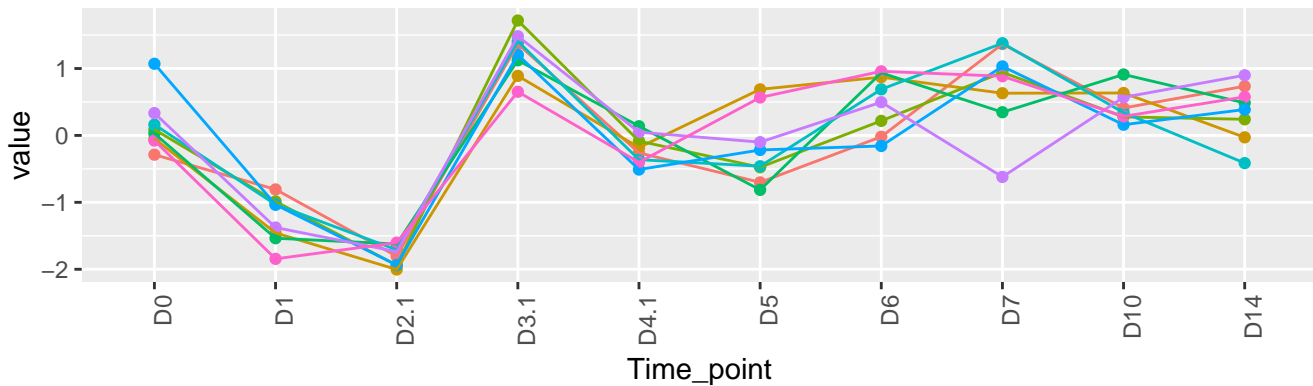
8 genes – WT-cluster-23-standardized



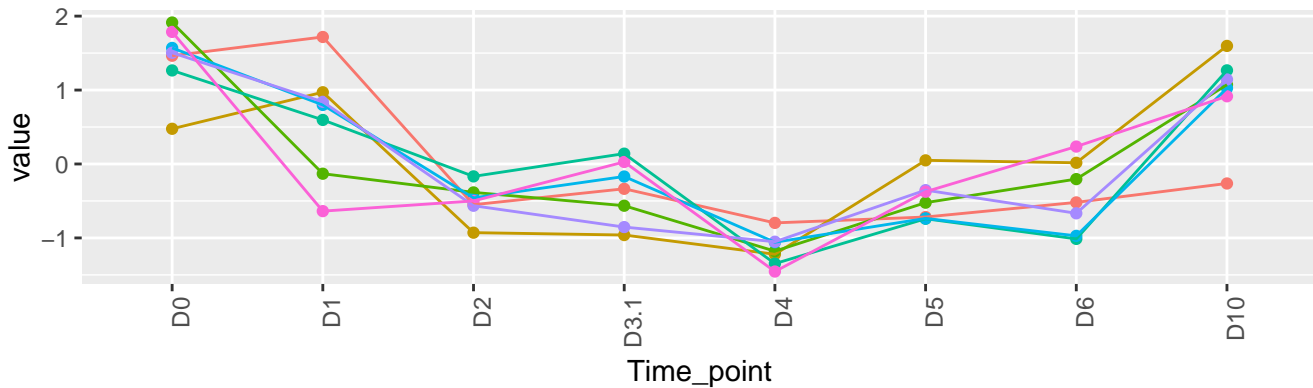
6 genes – KO-cluster-23-standardized



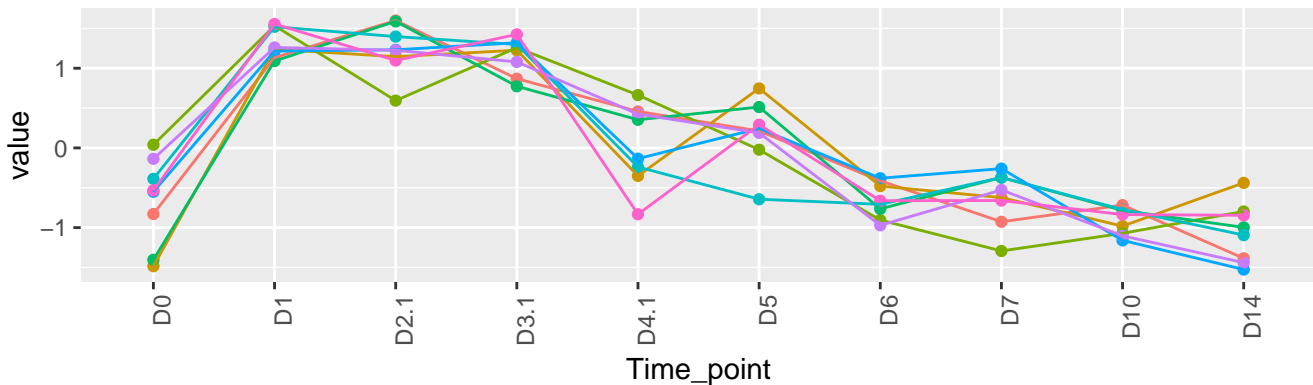
8 genes – WT-cluster-22-standardized



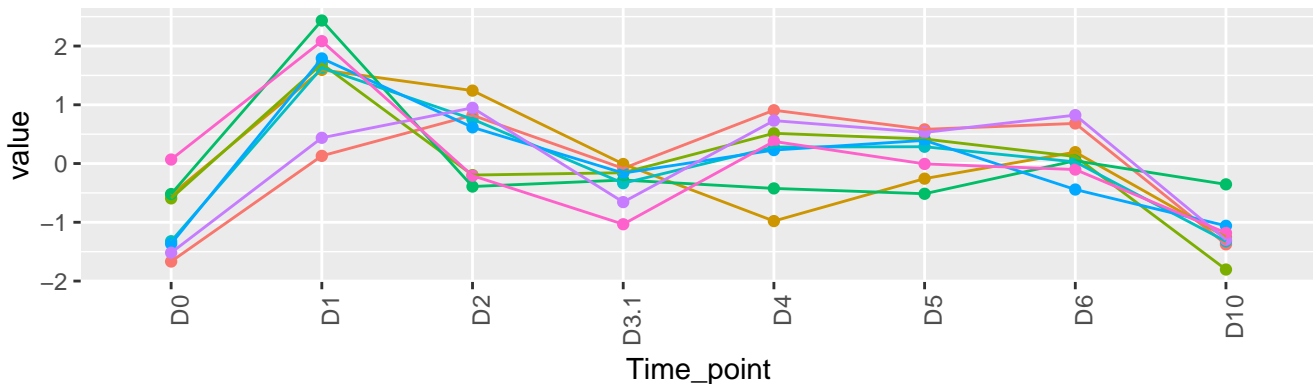
7 genes – KO-cluster-22-standardized



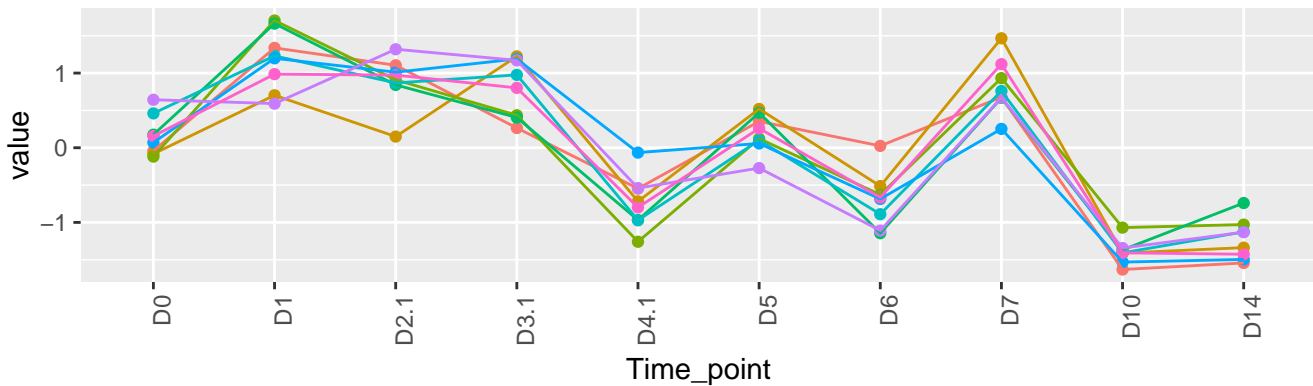
8 genes – WT-cluster-21-standardized



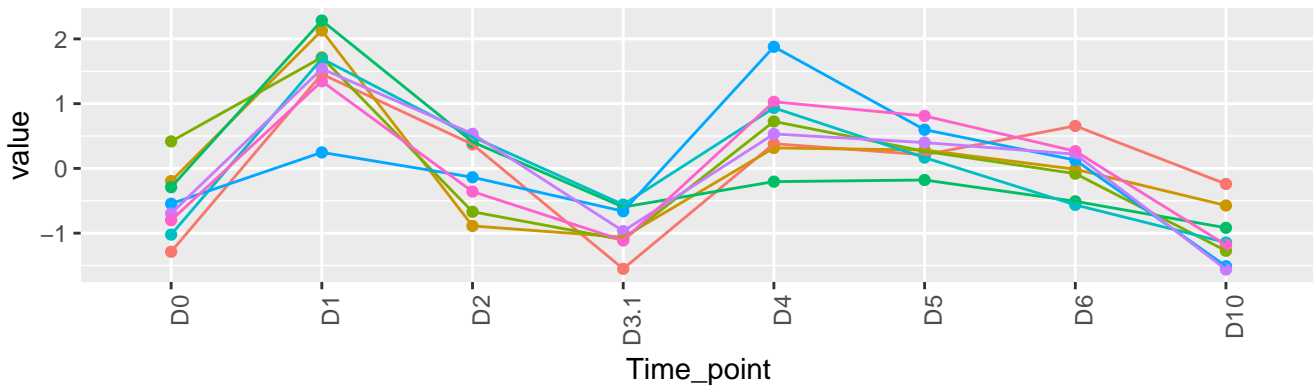
8 genes – KO-cluster-21-standardized



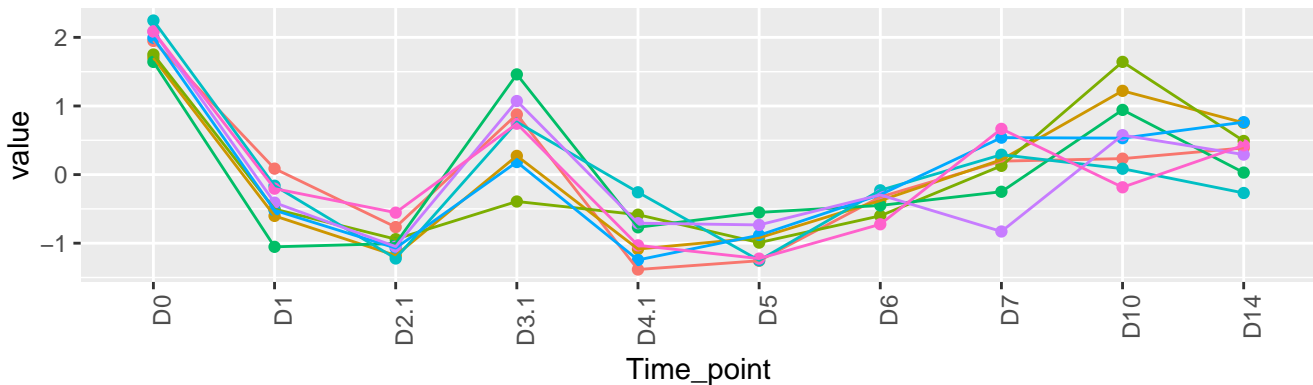
8 genes – WT-cluster-20-standardized



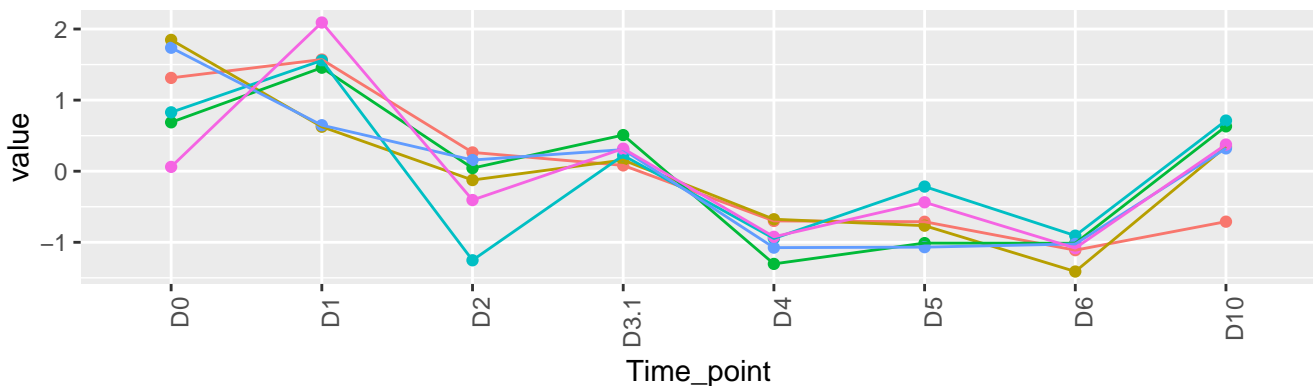
8 genes – KO-cluster-20-standardized



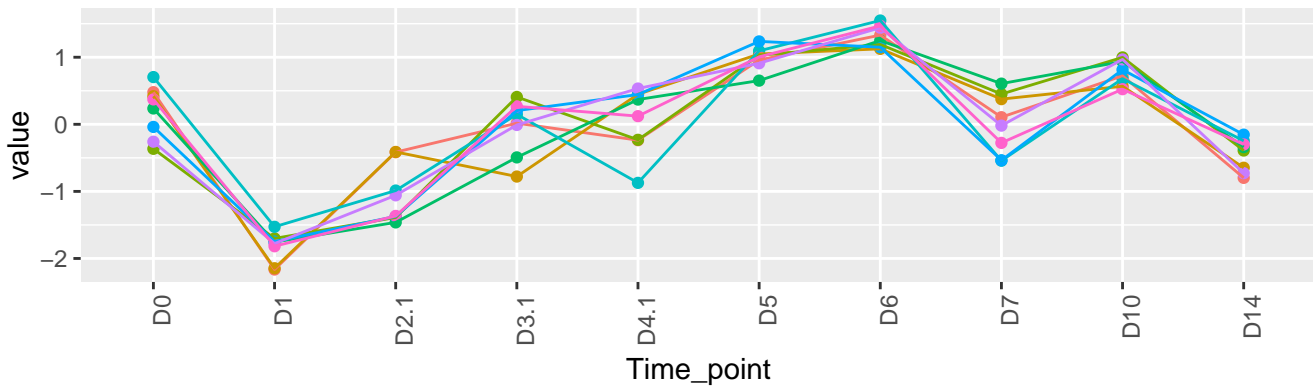
8 genes – WT-cluster-19-standardized



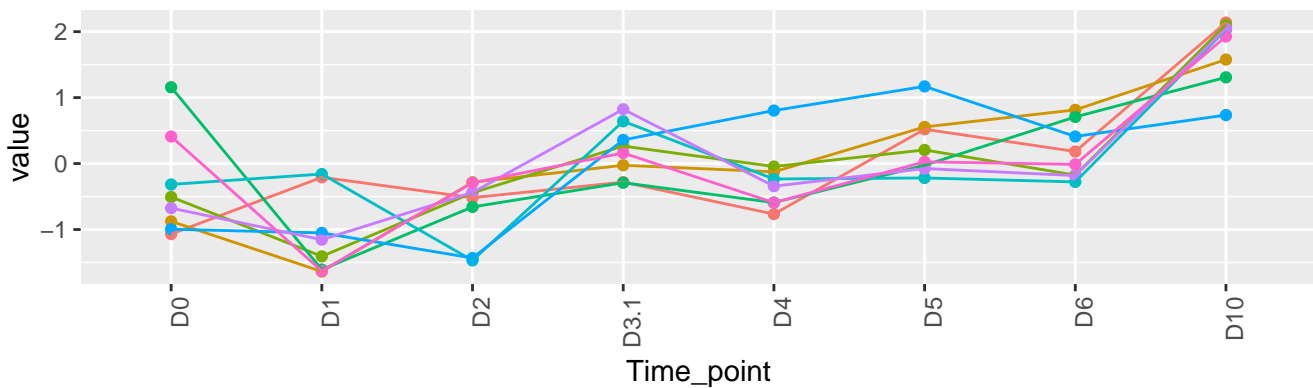
6 genes – KO-cluster-19-standardized



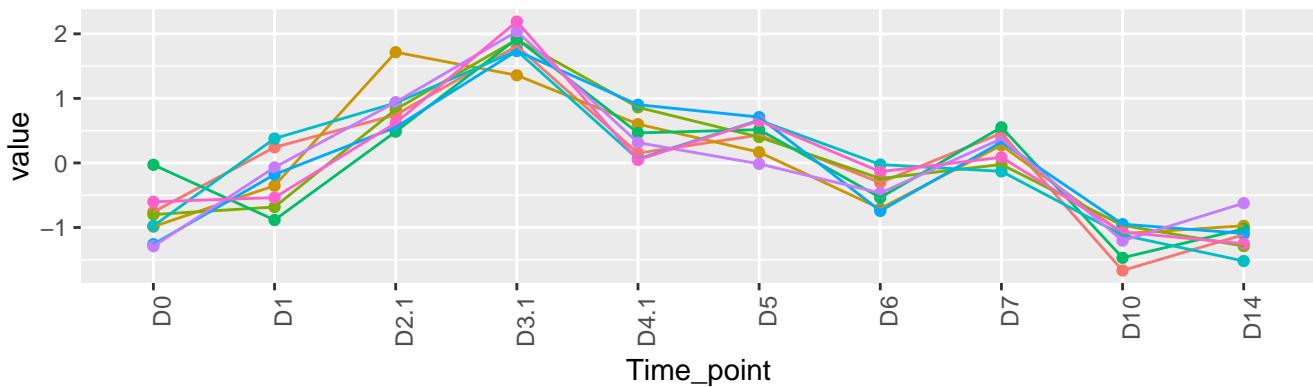
8 genes – WT-cluster-18-standardized



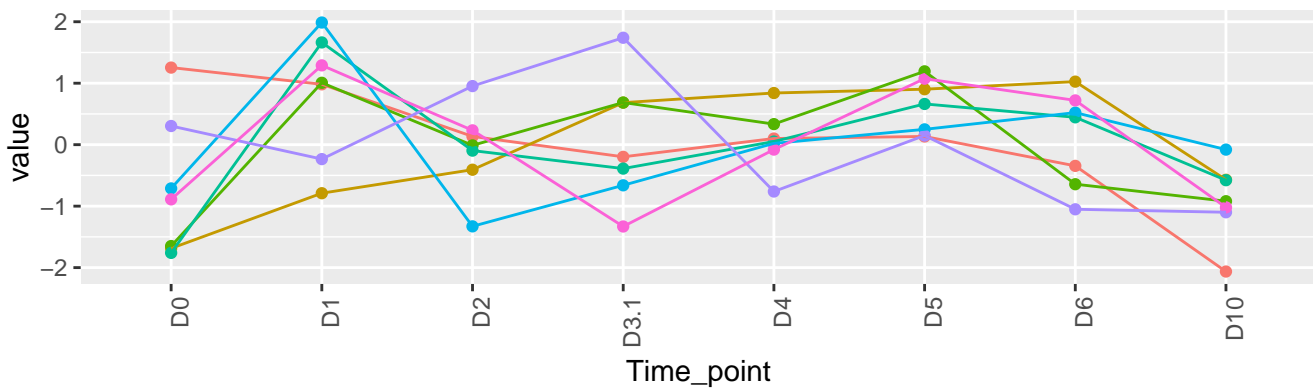
8 genes – KO-cluster-18-standardized



8 genes – WT-cluster-17-standardized

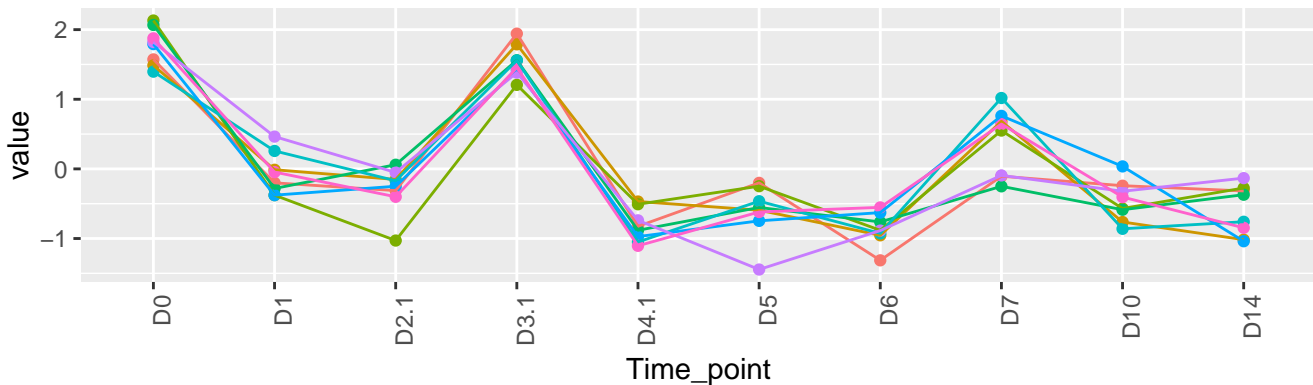


7 genes – KO-cluster-17-standardized

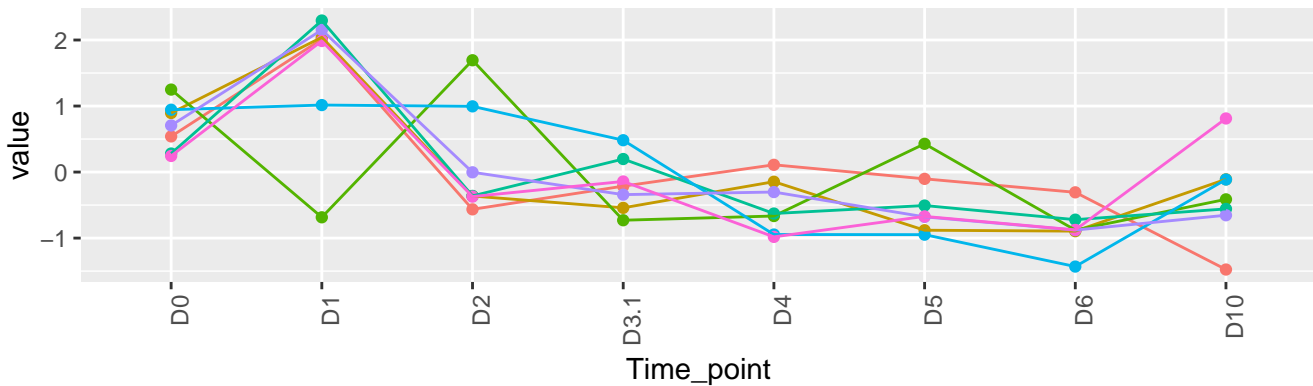




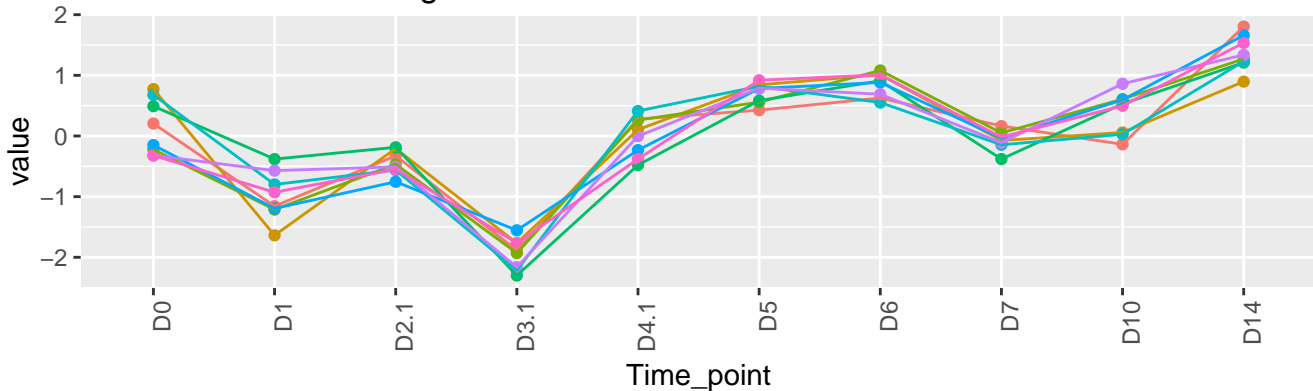
8 genes – WT-cluster-16-standardized



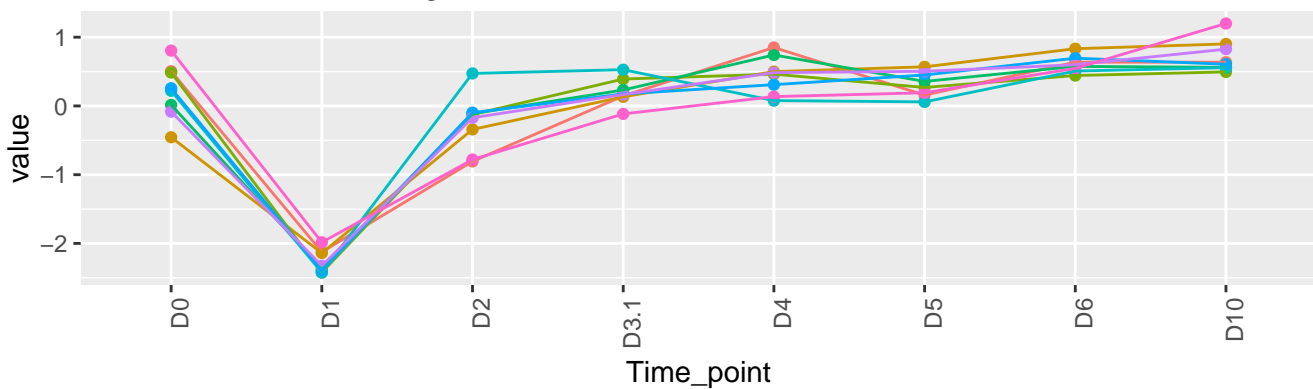
7 genes – KO-cluster-16-standardized



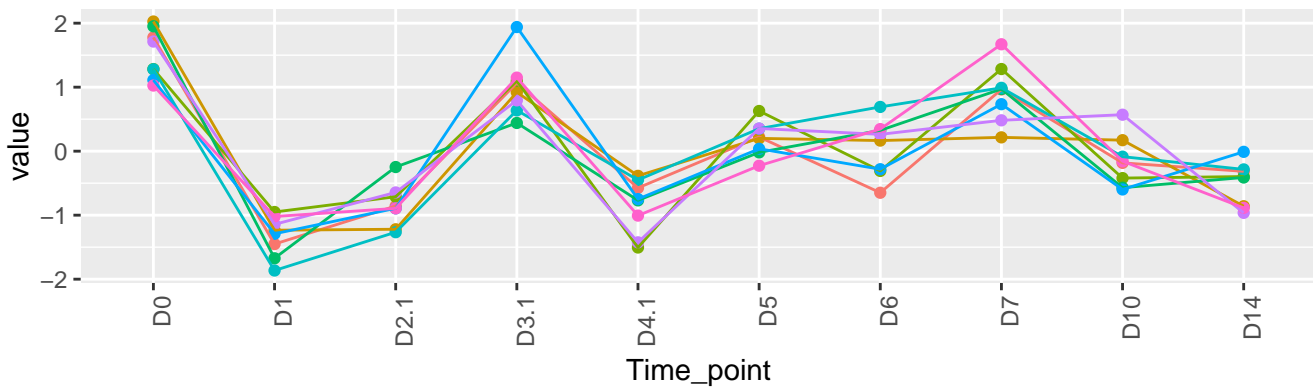
8 genes – WT-cluster-15-standardized



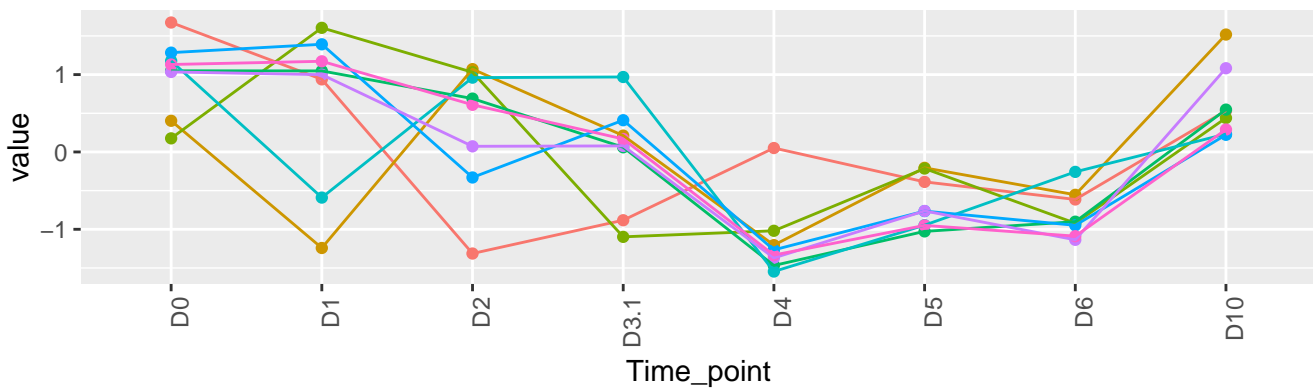
8 genes – KO-cluster-15-standardized



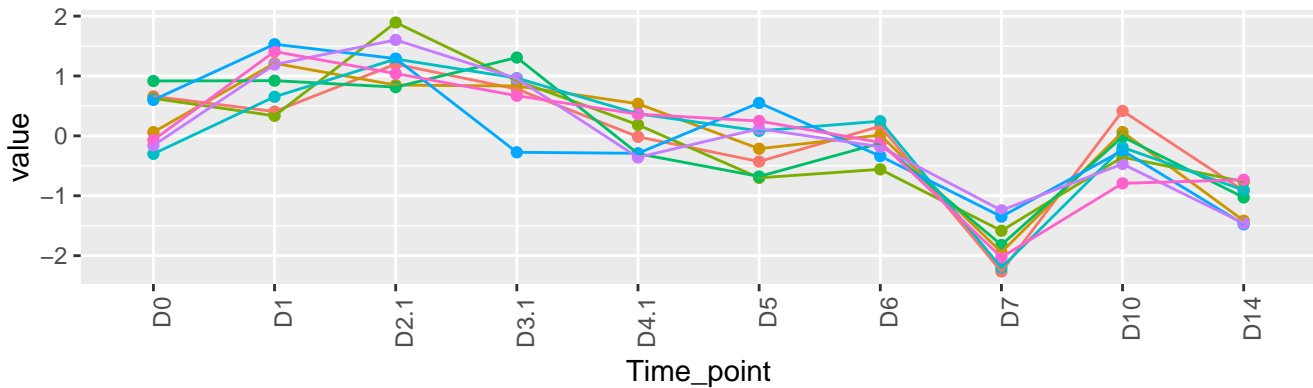
8 genes – WT-cluster-14-standardized



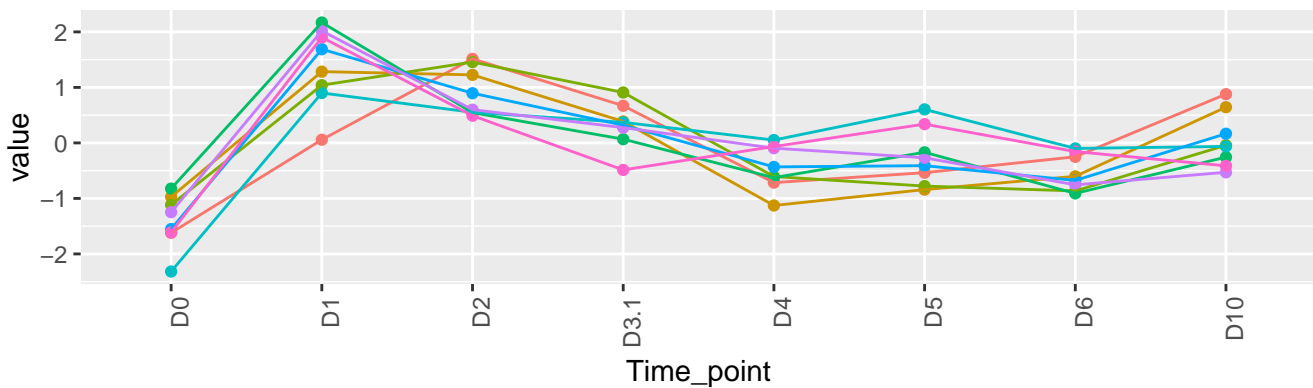
8 genes – KO-cluster-14-standardized



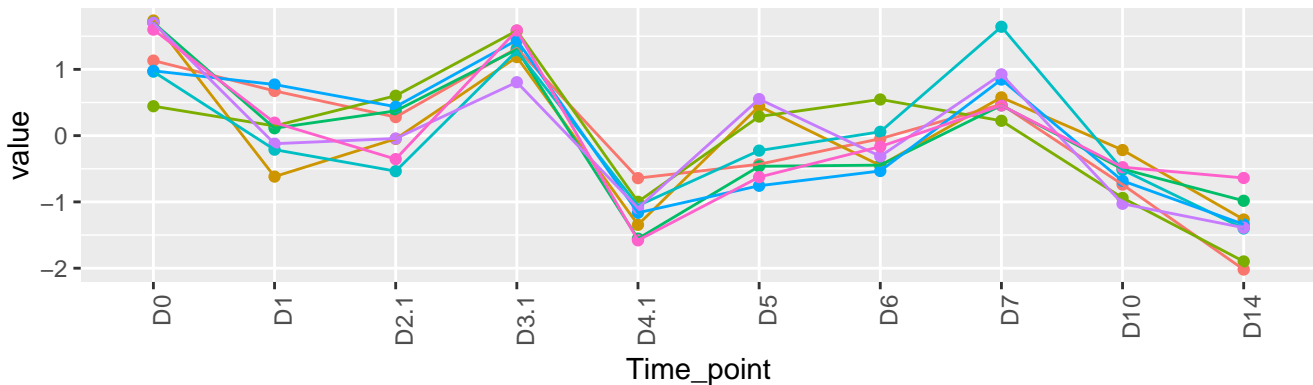
8 genes – WT-cluster-13-standardized



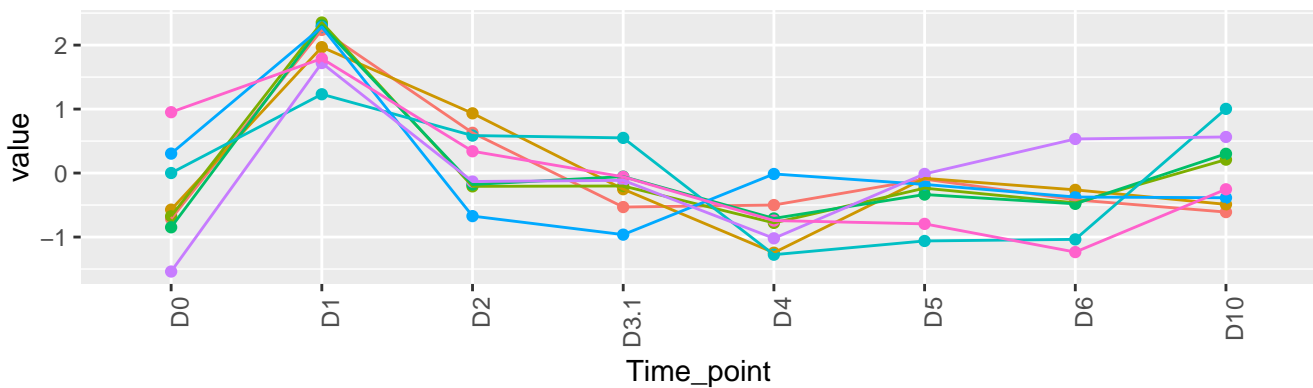
8 genes – KO-cluster-13-standardized



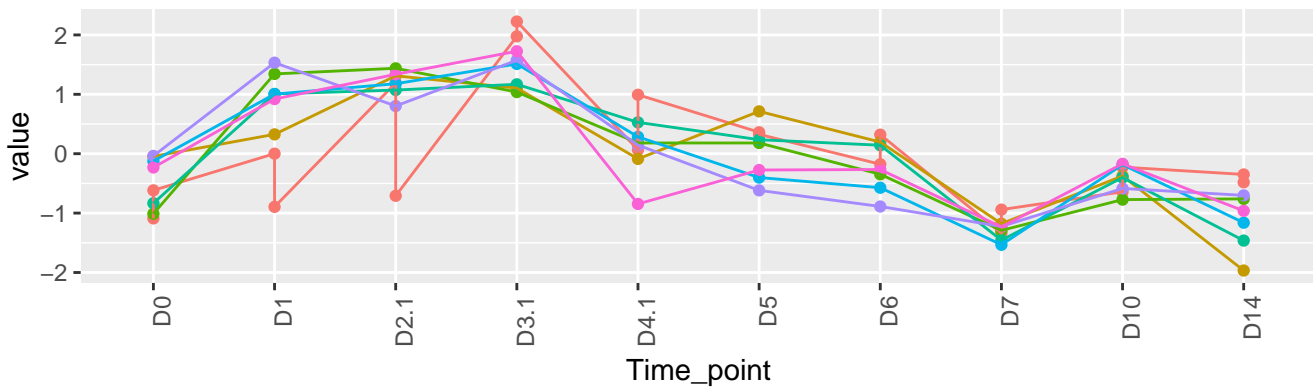
8 genes – WT-cluster-12-standardized



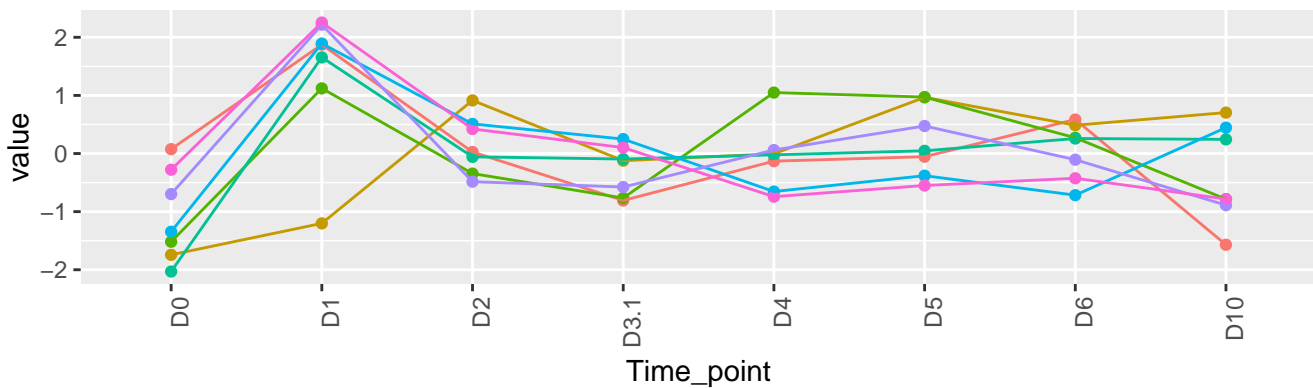
8 genes – KO-cluster-12-standardized



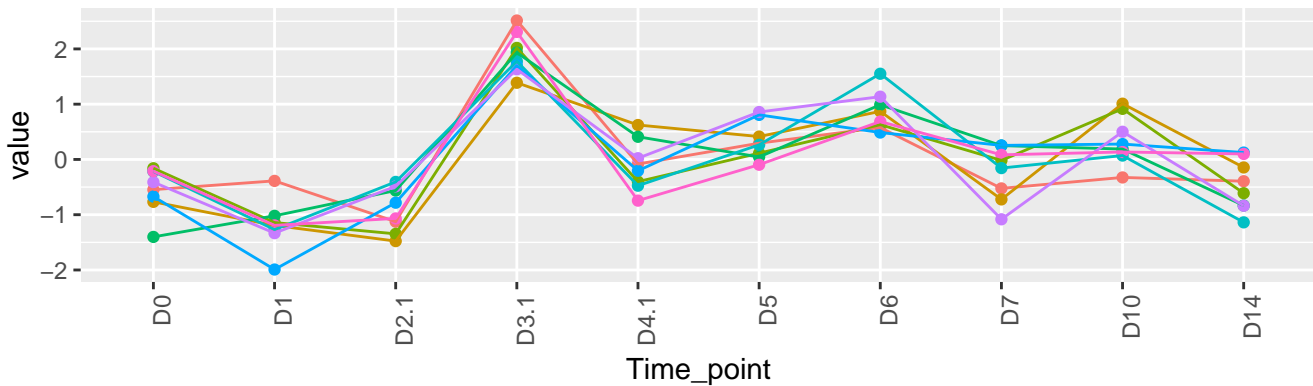
8 genes – WT-cluster-11-standardized



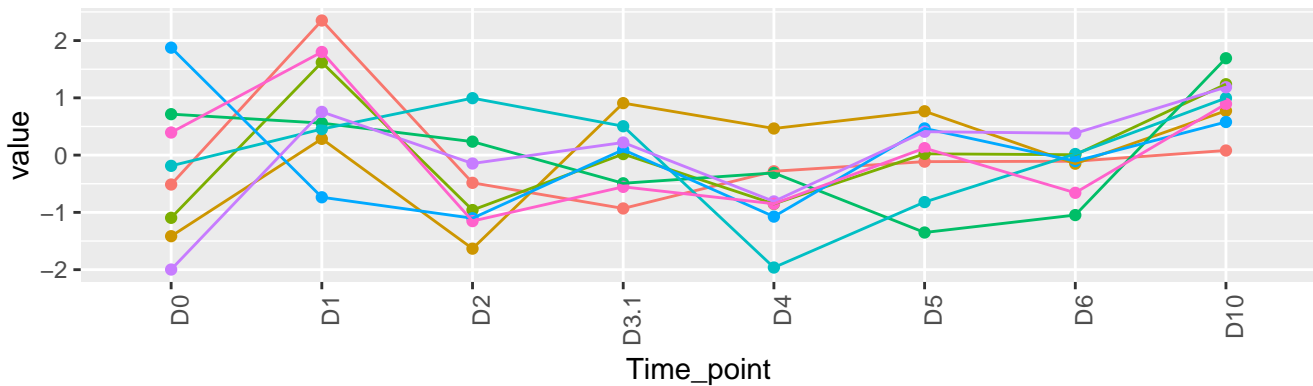
7 genes – KO-cluster-11-standardized



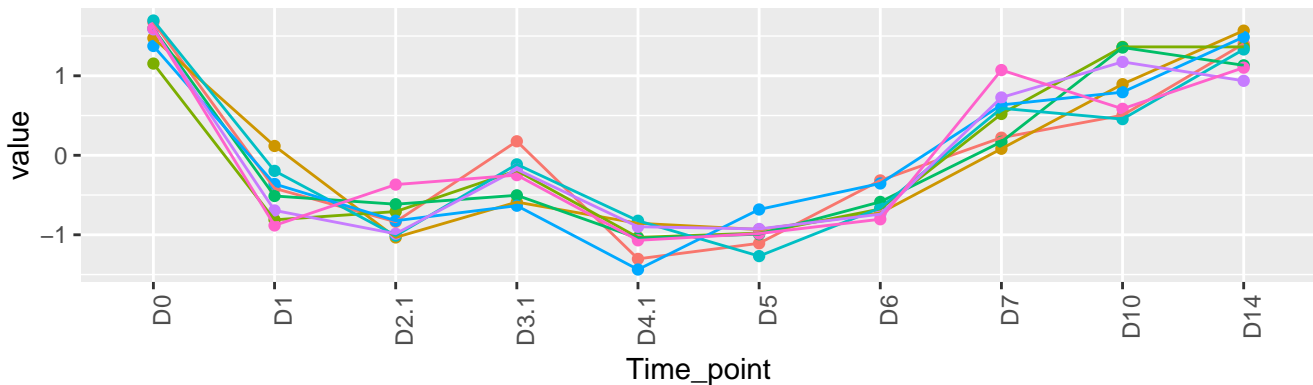
8 genes – WT-cluster-10-standardized



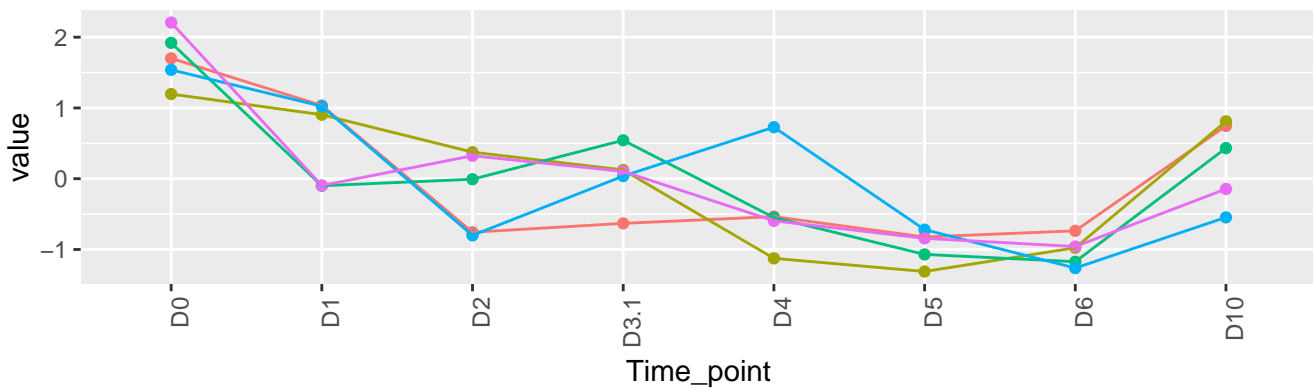
8 genes – KO-cluster-10-standardized



8 genes – WT-cluster-9-standardized

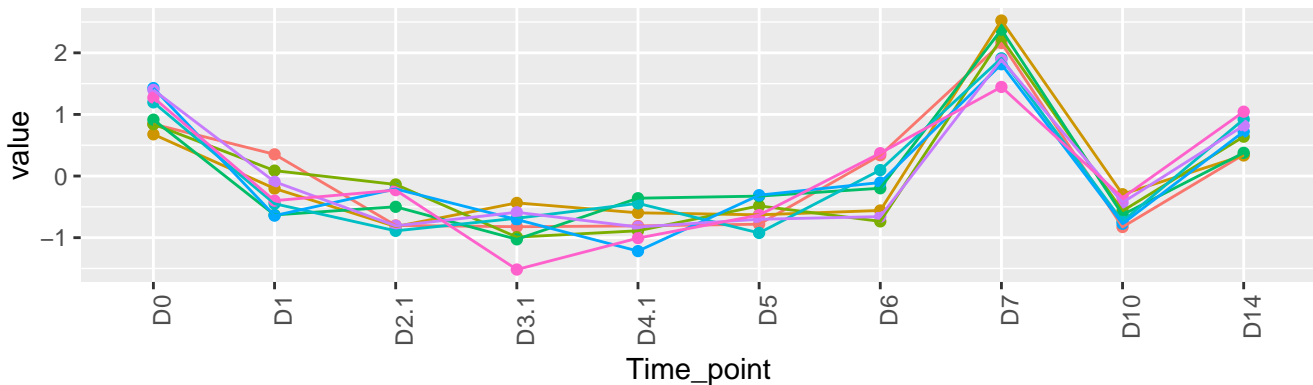


5 genes – KO-cluster-9-standardized

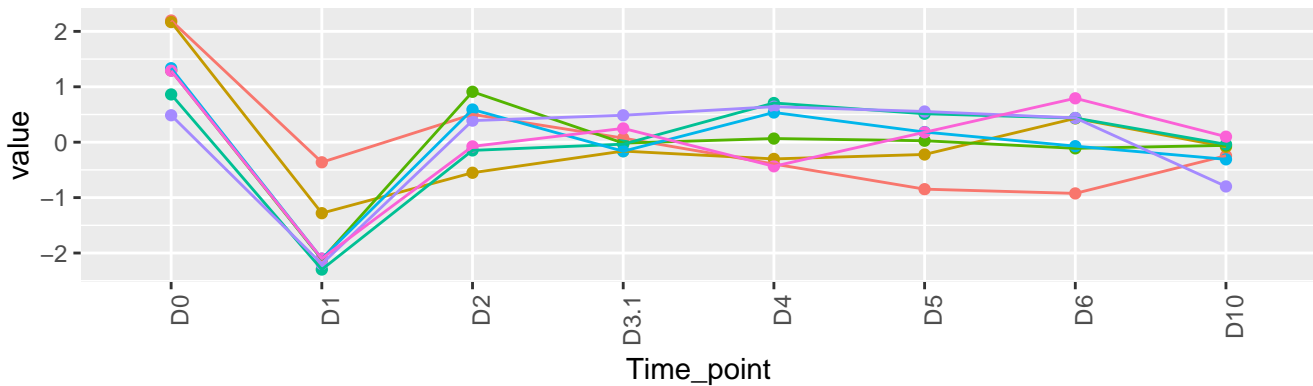




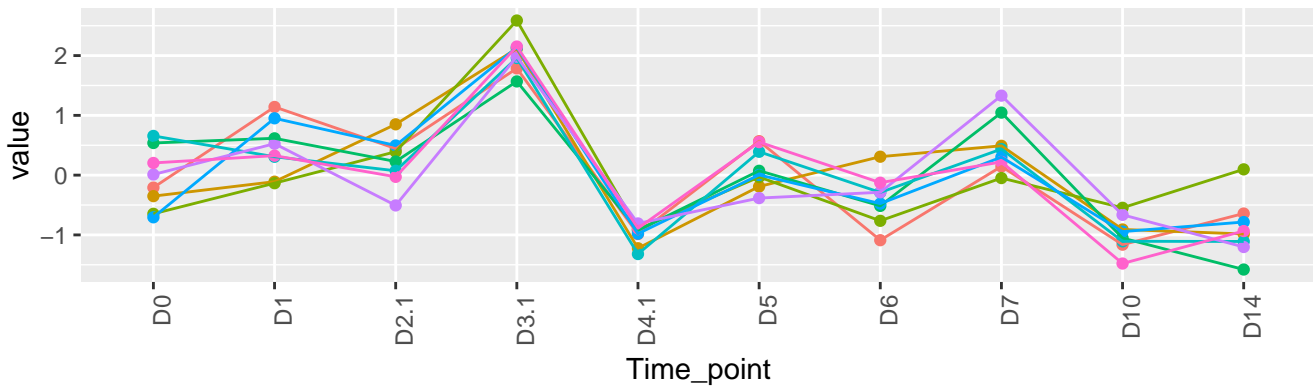
8 genes – WT-cluster-8-standardized



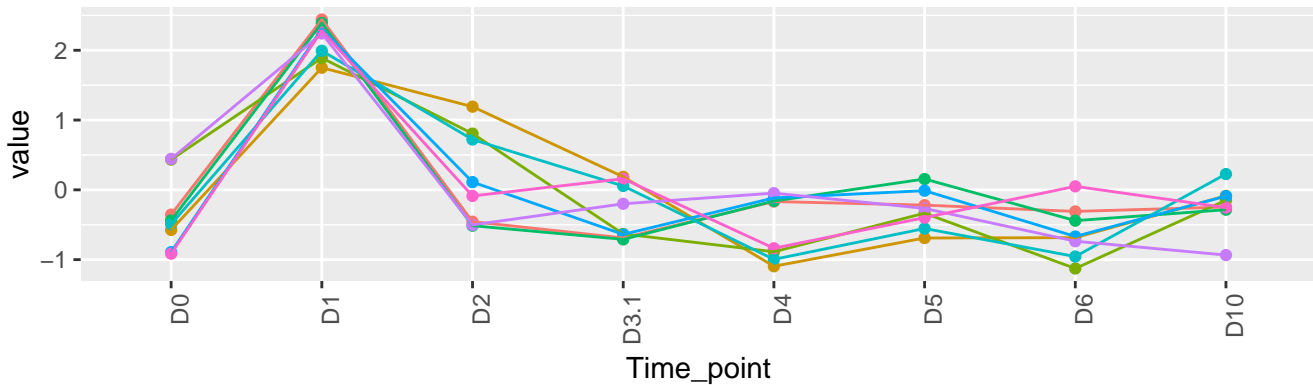
7 genes – KO-cluster-8-standardized



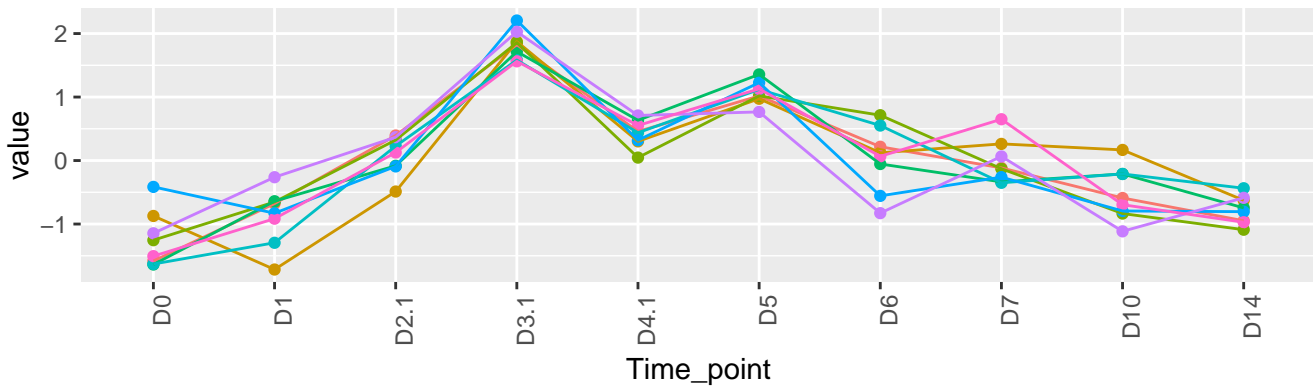
8 genes – WT-cluster-7-standardized



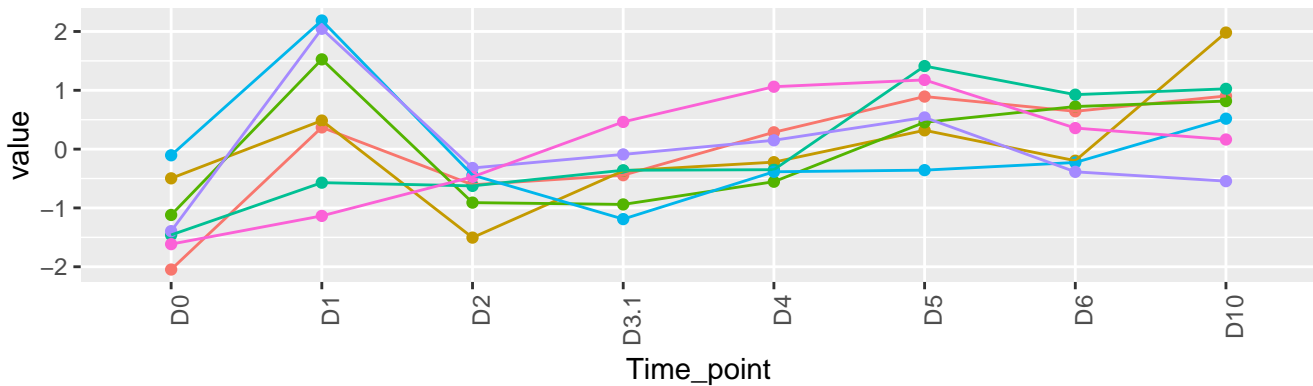
8 genes – KO-cluster-7-standardized



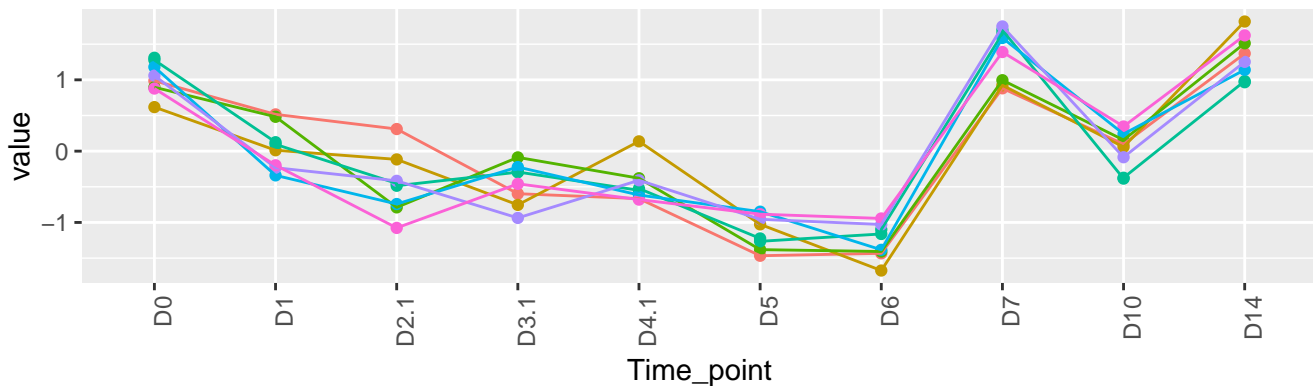
8 genes – WT-cluster-6-standardized



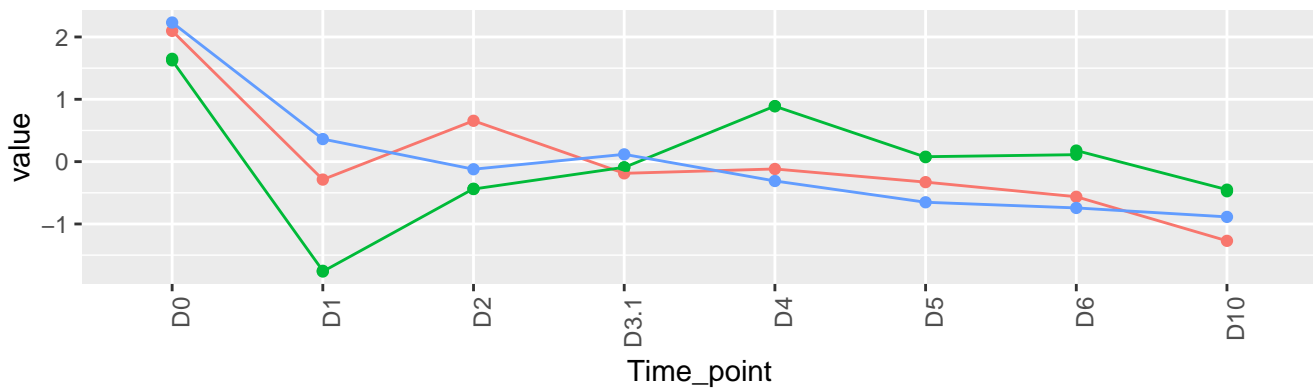
7 genes – KO-cluster-6-standardized



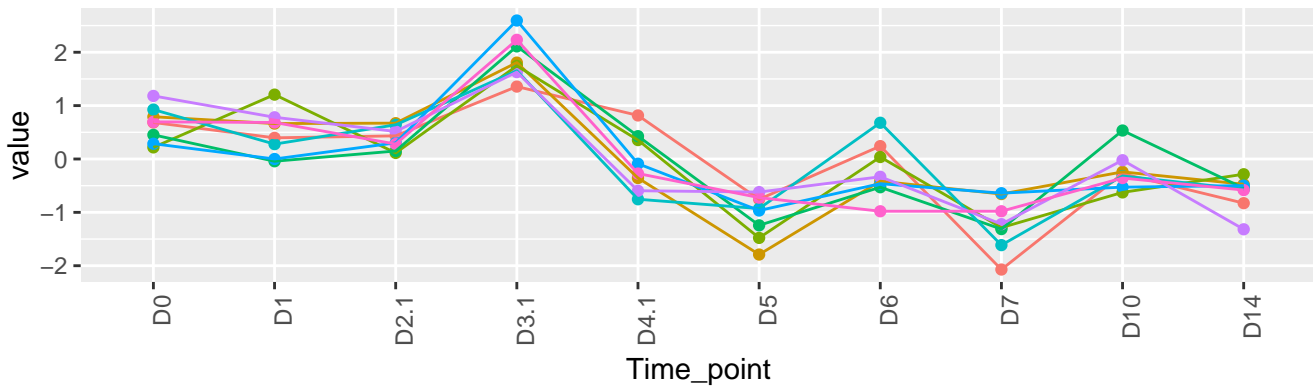
8 genes – WT-cluster-5-standardized



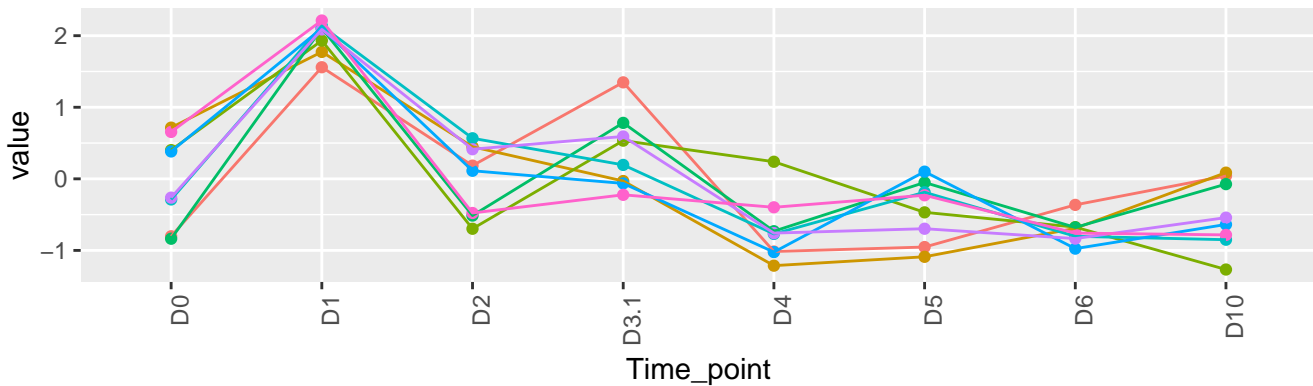
4 genes – KO-cluster-5-standardized



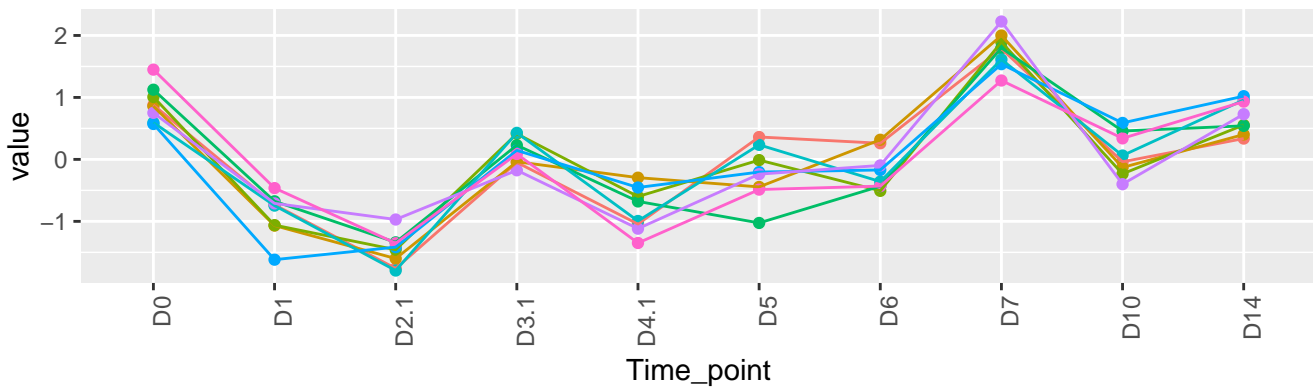
8 genes – WT-cluster-4-standardized



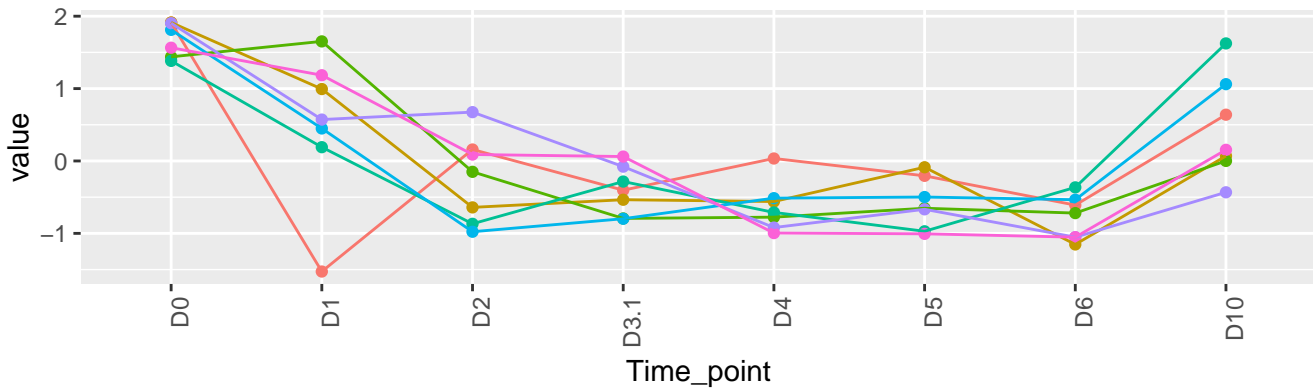
8 genes – KO-cluster-4-standardized



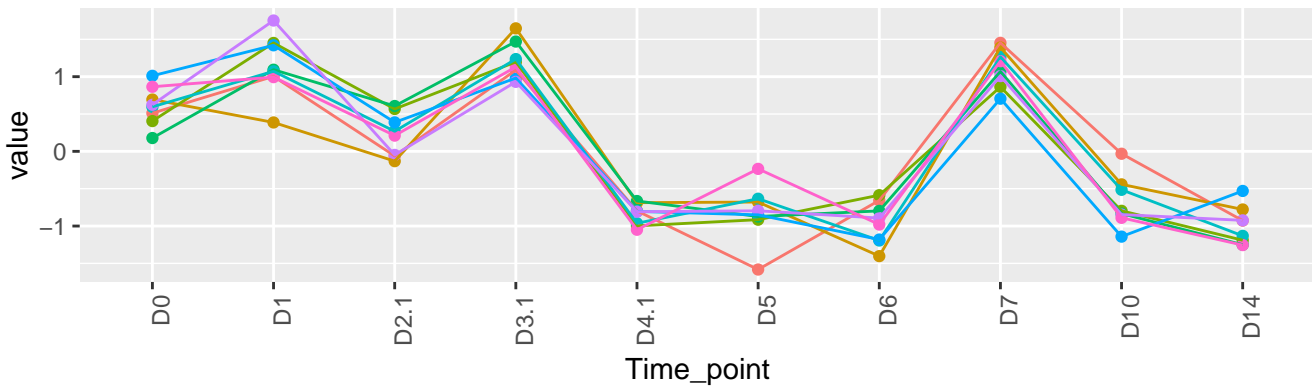
8 genes – WT-cluster-3-standardized



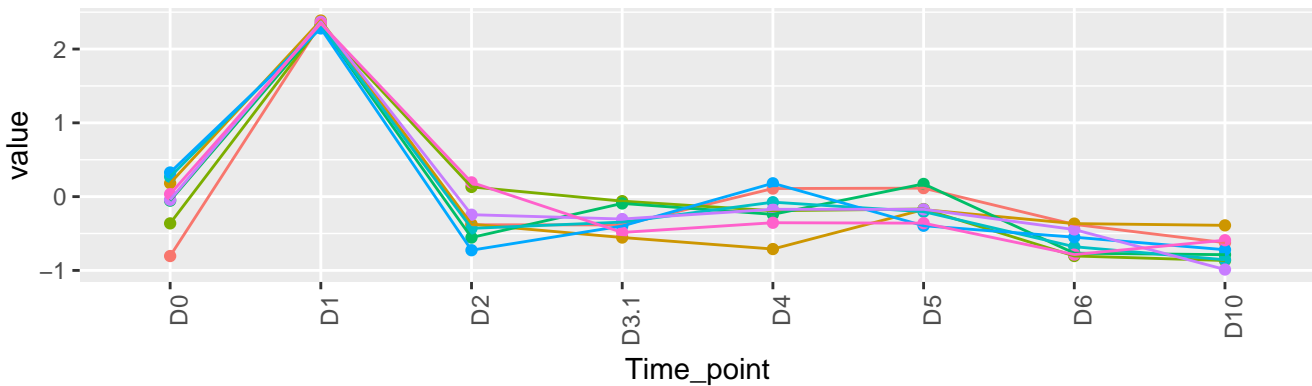
7 genes – KO-cluster-3-standardized



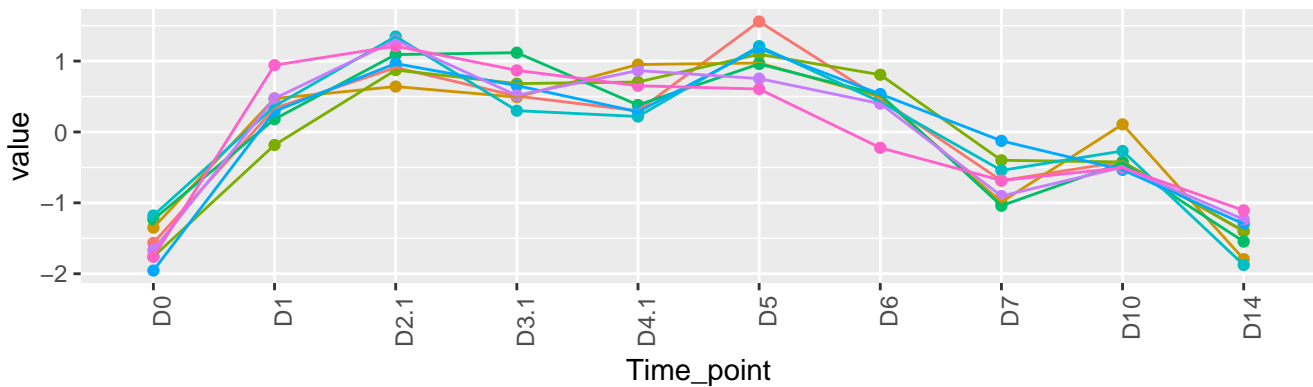
8 genes – WT-cluster-2-standardized



8 genes – KO-cluster-2-standardized



8 genes – WT-cluster-1-standardized



8 genes – KO-cluster-1-standardized

