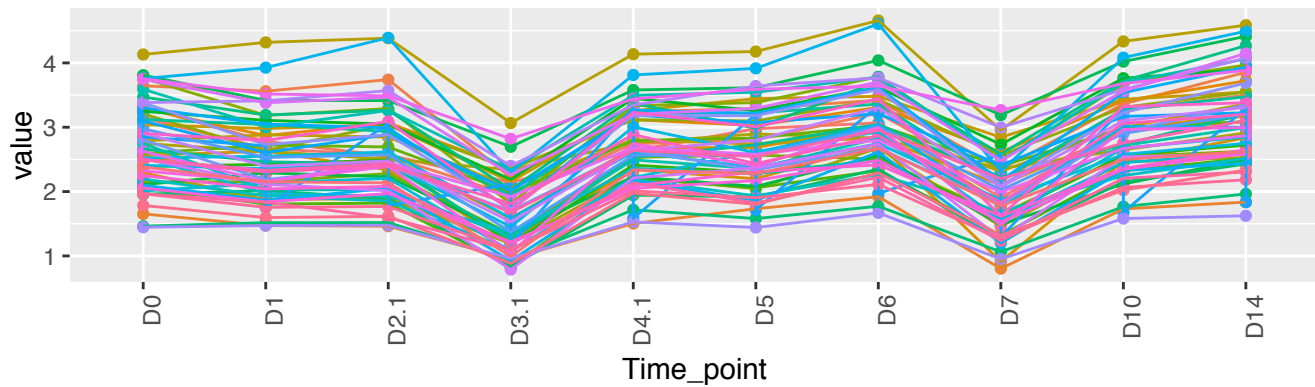
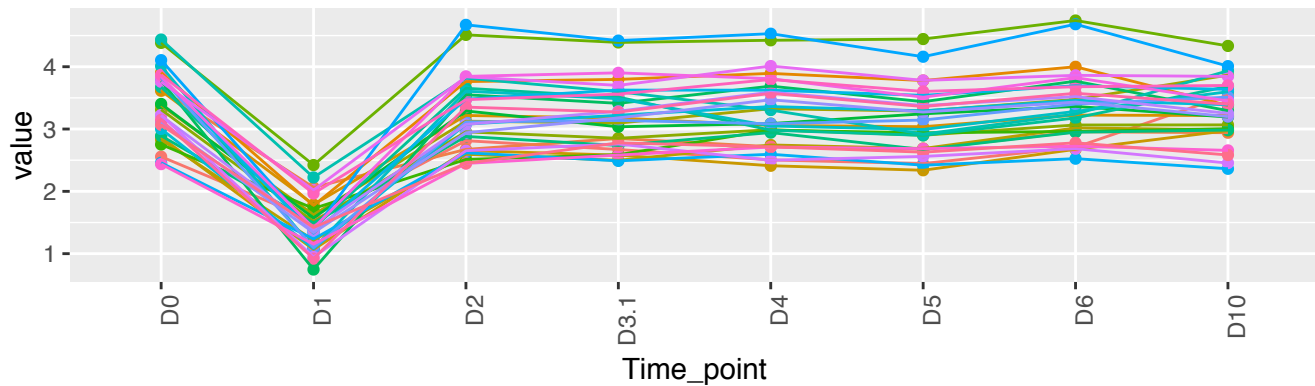


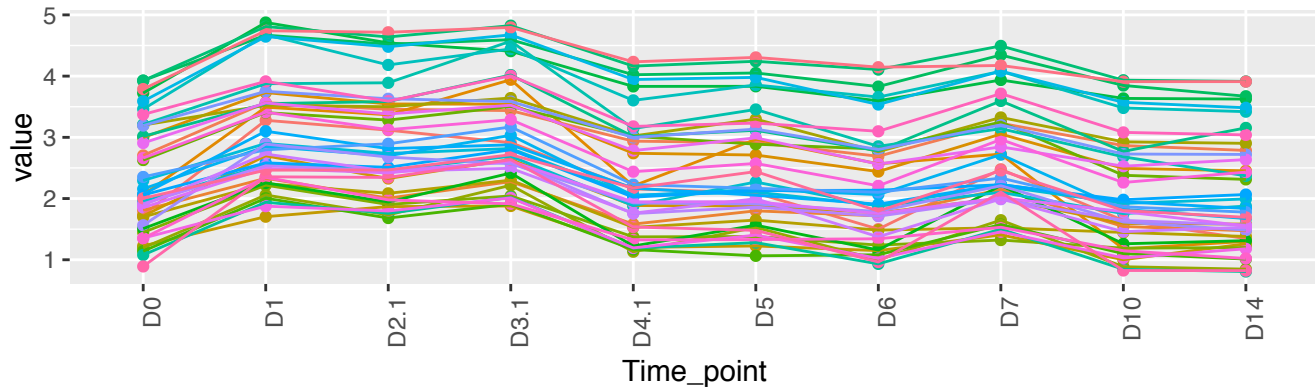
60 genes – WT-cluster-200-original



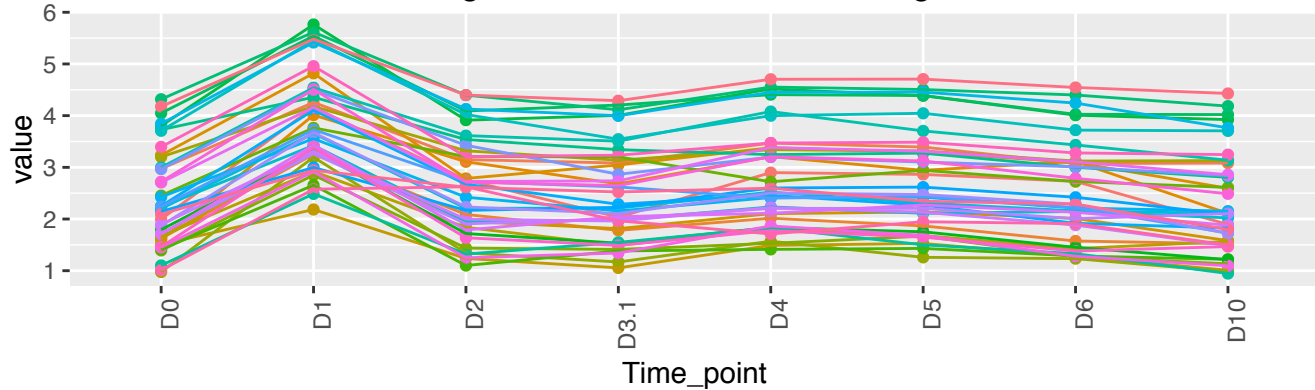
30 genes – KO-cluster-200-original



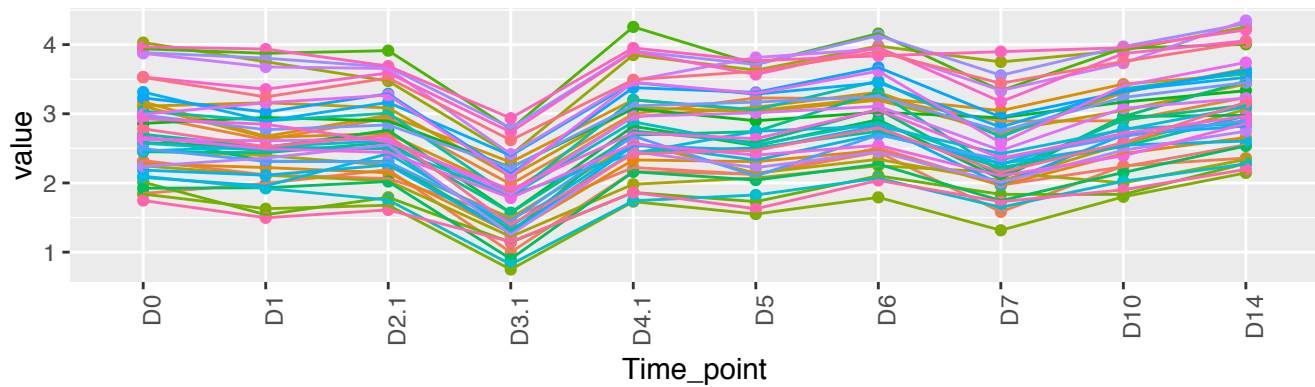
41 genes – WT-cluster-199-original



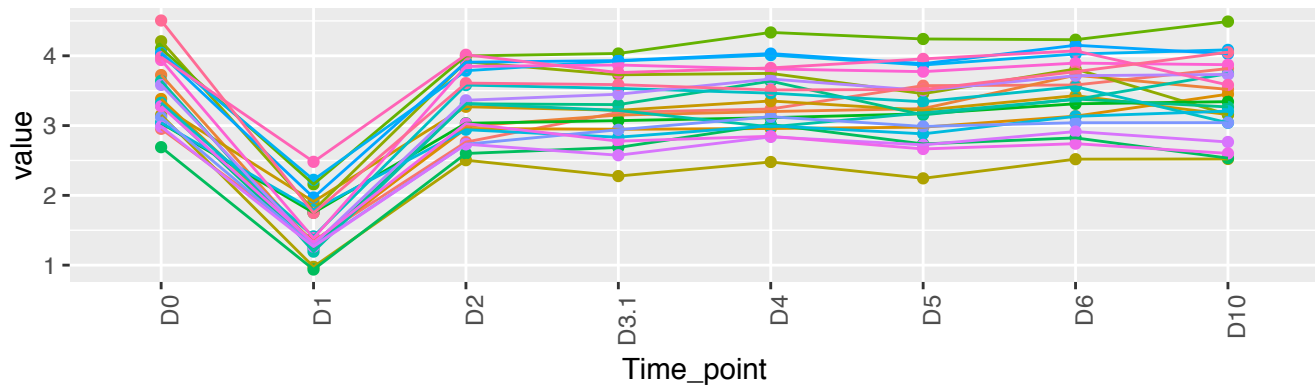
41 genes – KO-cluster-199-original



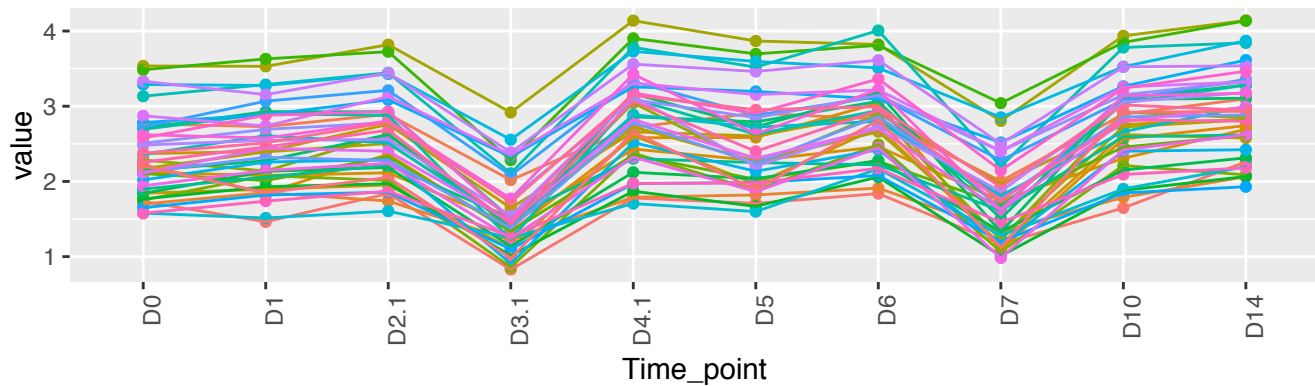
41 genes – WT-cluster-198-original



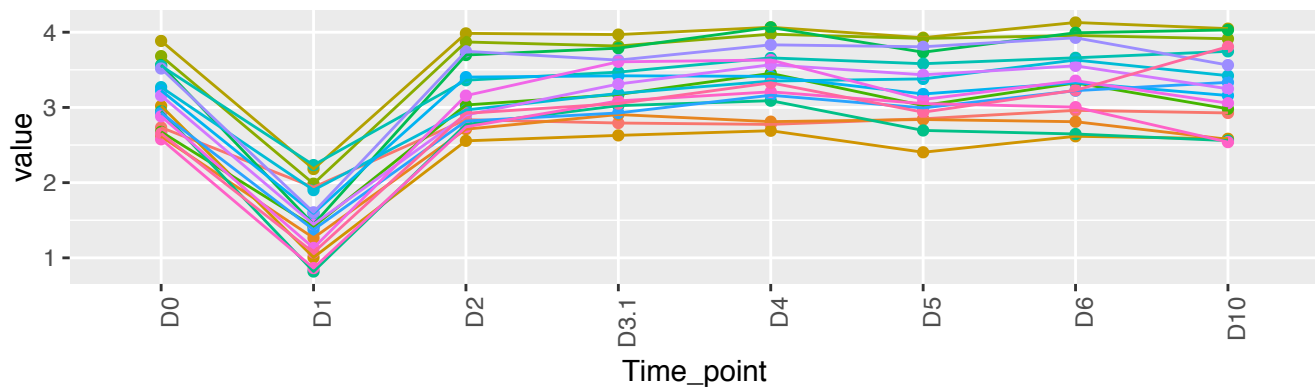
22 genes – KO-cluster-198-original



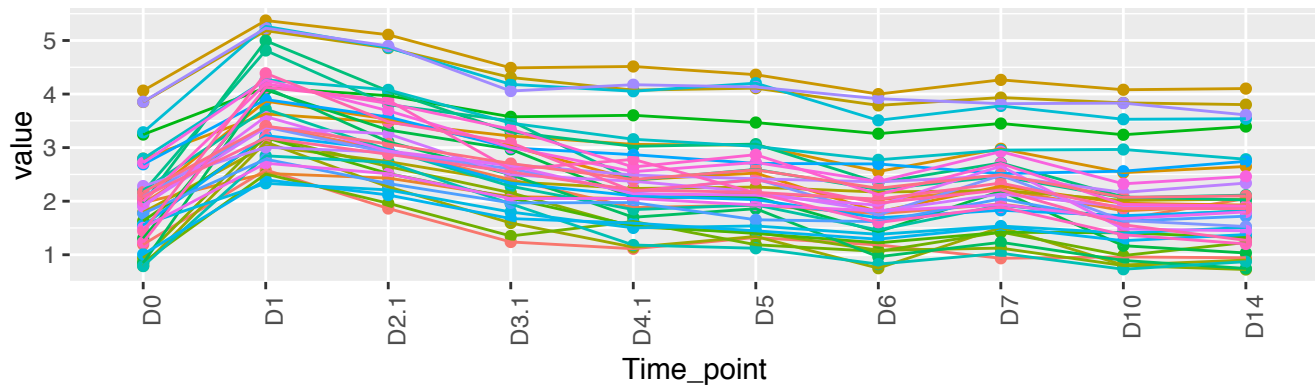
40 genes – WT-cluster-197-original



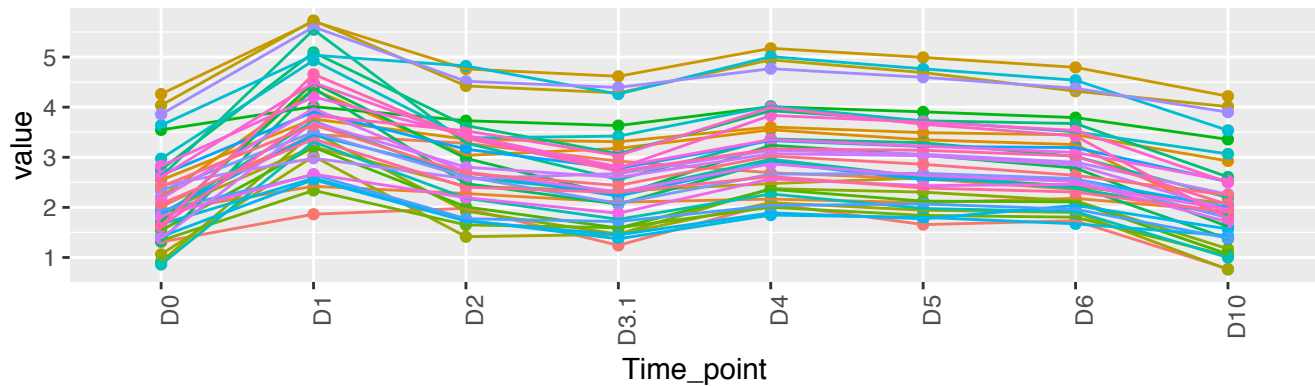
17 genes – KO-cluster-197-original



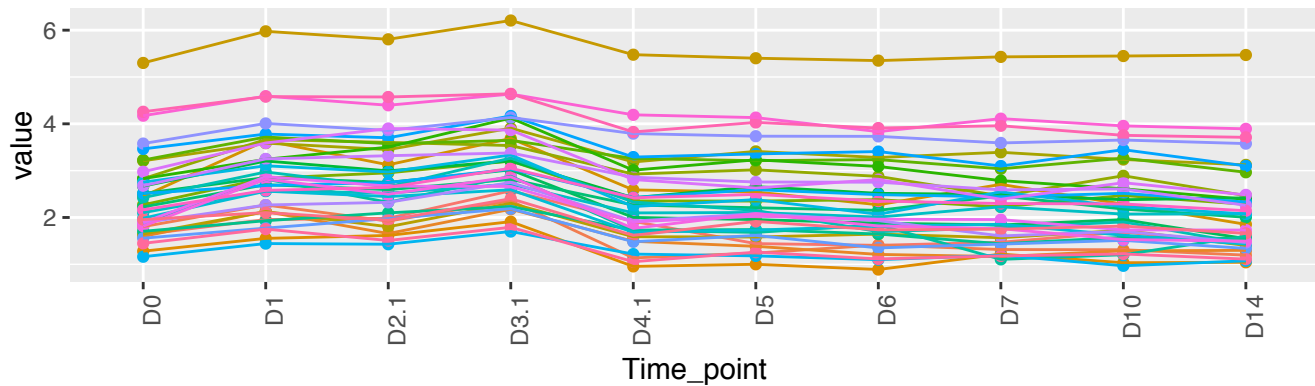
38 genes – WT-cluster-196-original



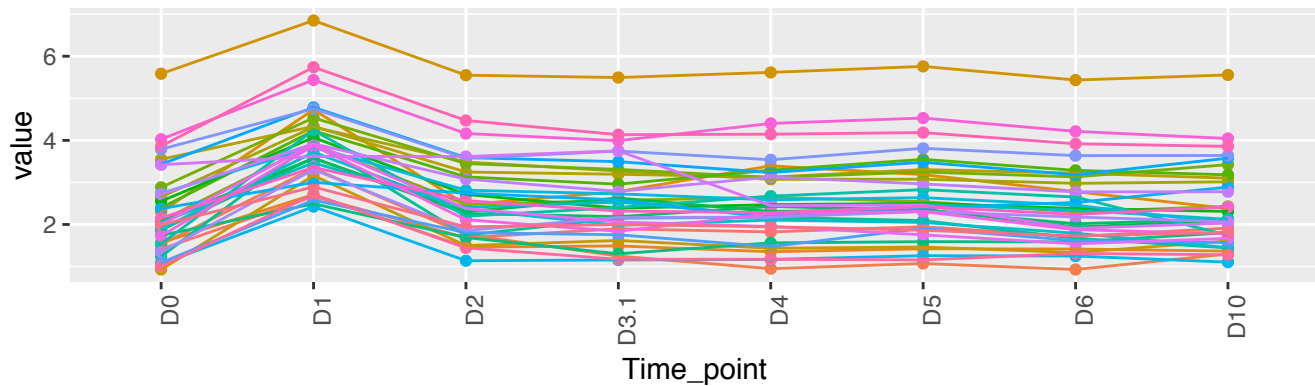
38 genes – KO-cluster-196-original



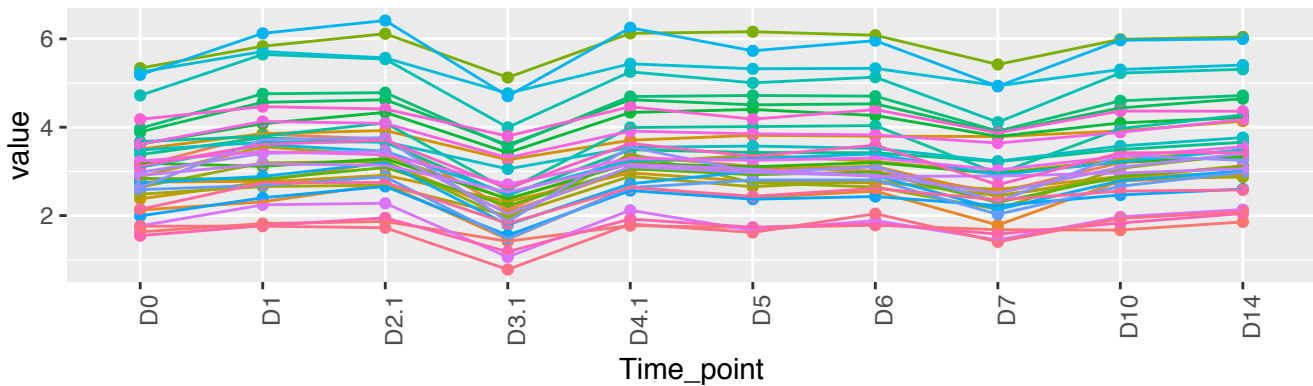
36 genes – WT-cluster-195-original



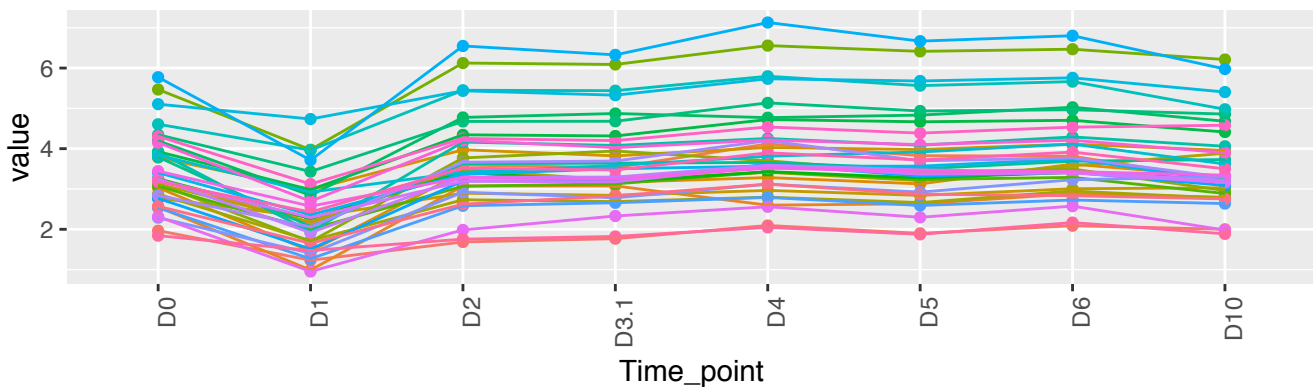
35 genes – KO-cluster-195-original



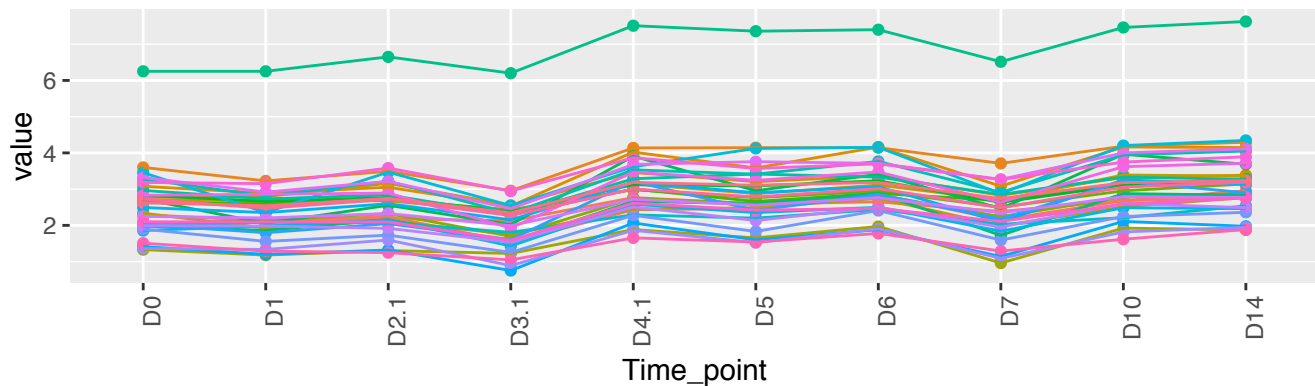
36 genes – WT-cluster-194-original



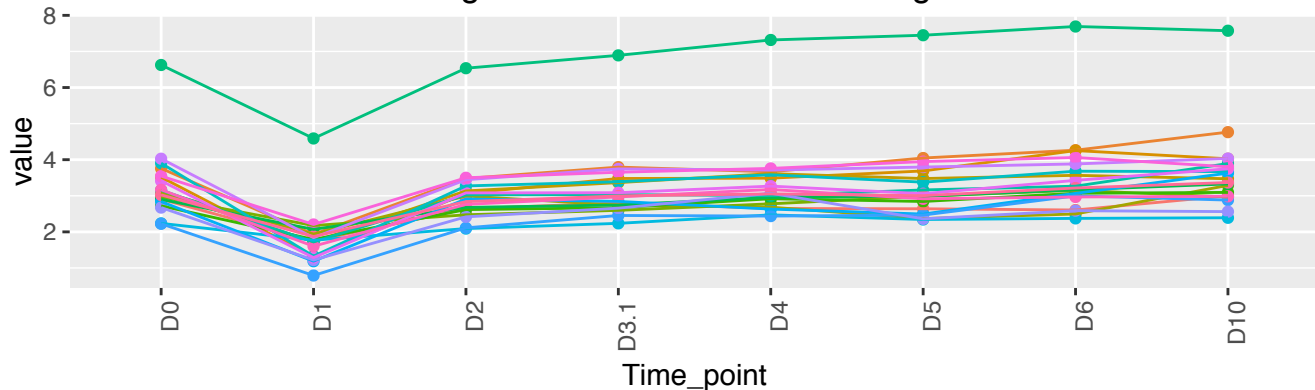
35 genes – KO-cluster-194-original



34 genes – WT-cluster-193-original

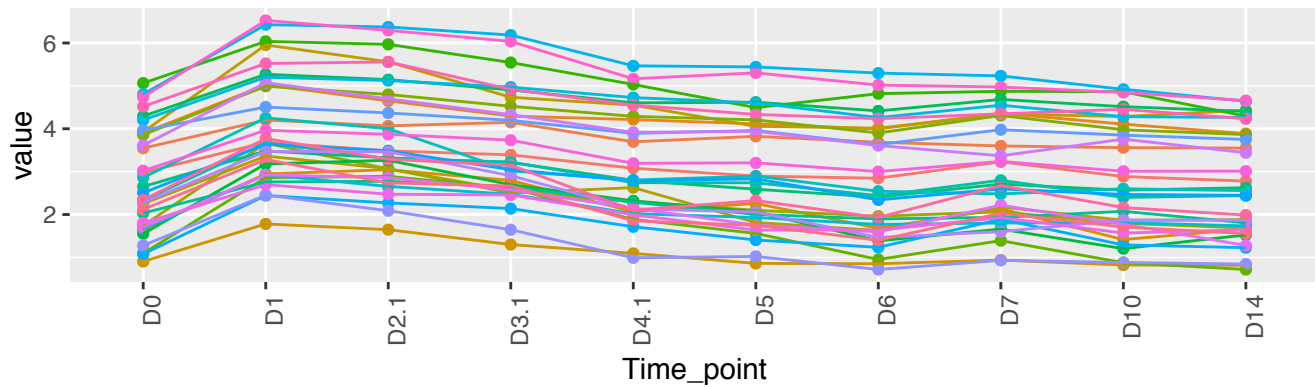


20 genes – KO-cluster-193-original

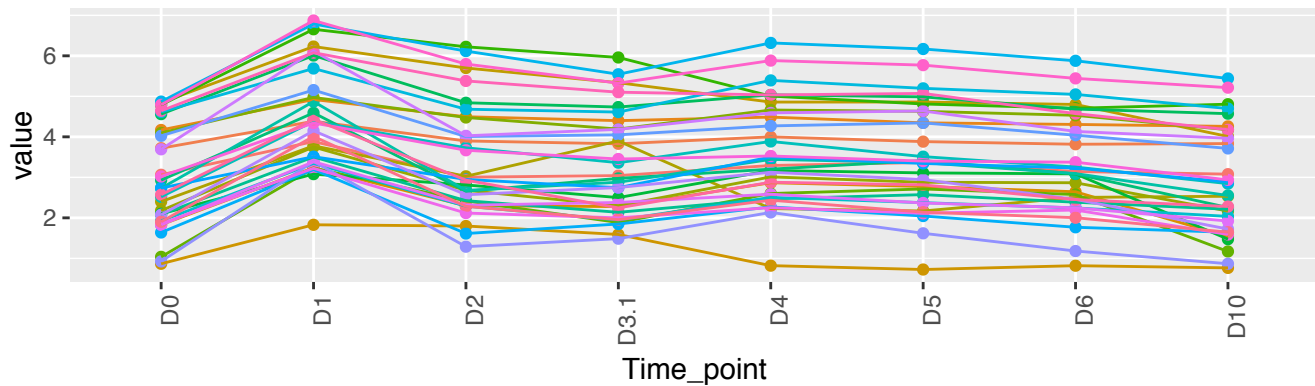




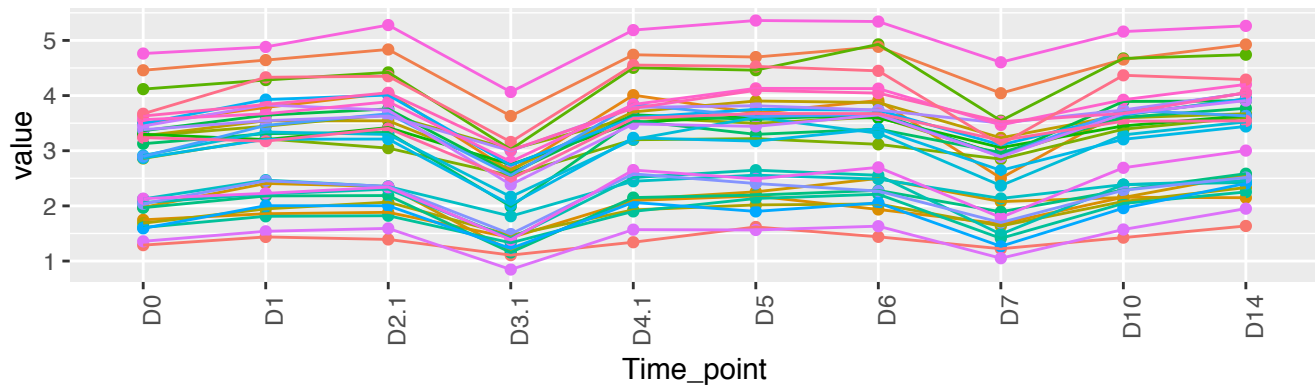
33 genes – WT-cluster-192-original



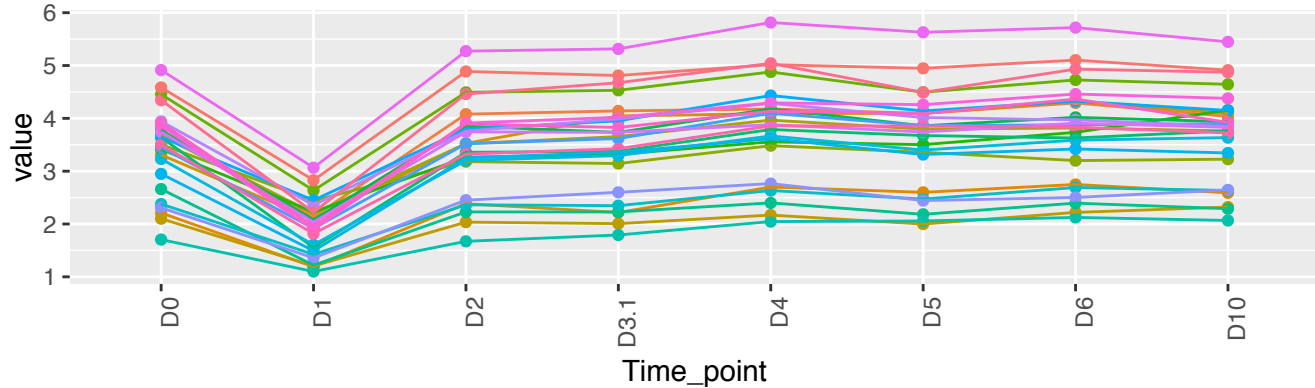
33 genes – KO-cluster-192-original



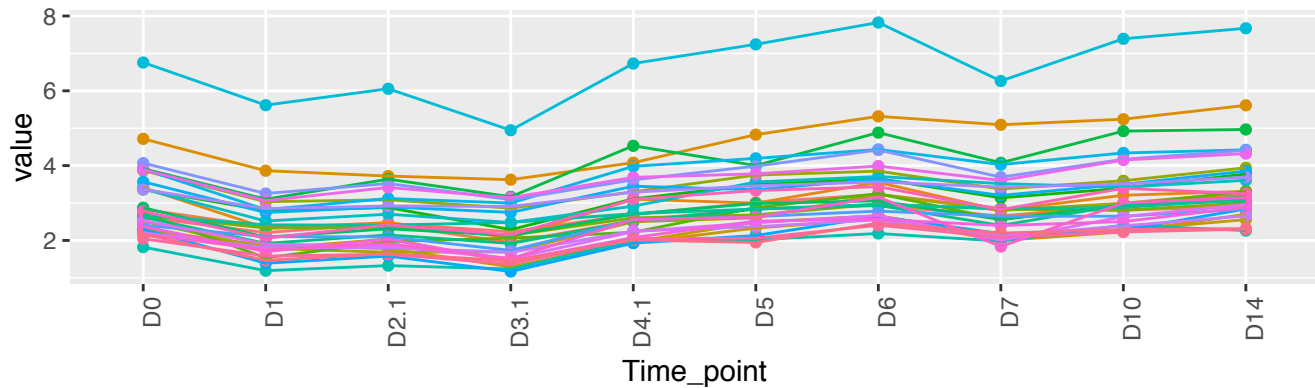
32 genes – WT-cluster-191-original



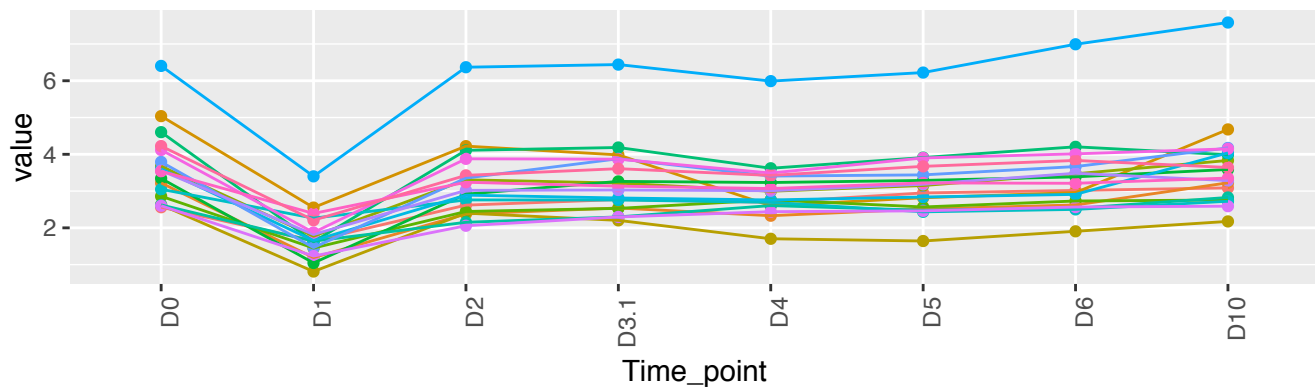
26 genes – KO-cluster-191-original



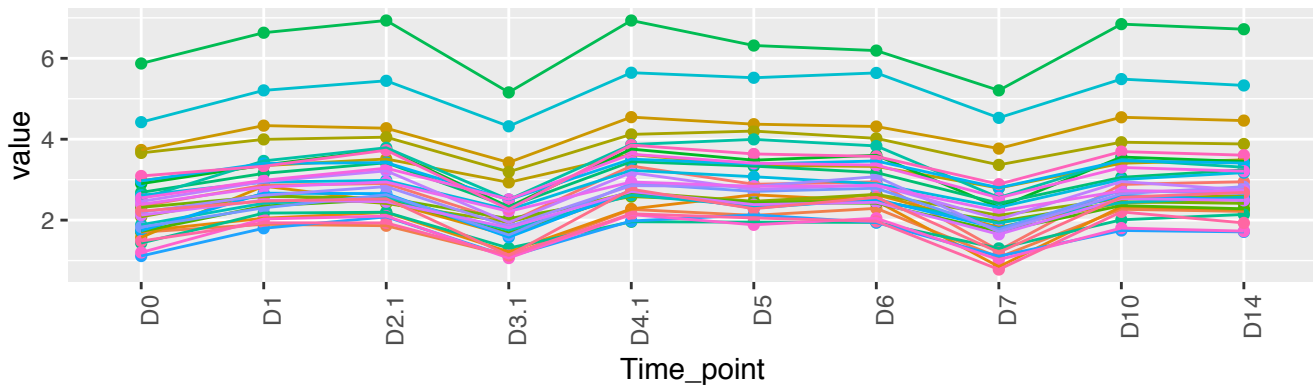
32 genes – WT-cluster-190-original



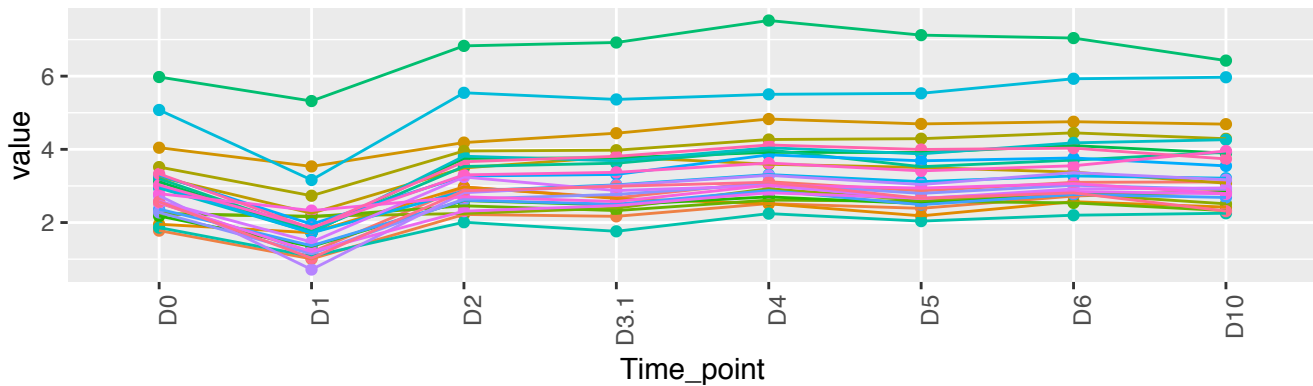
18 genes – KO-cluster-190-original



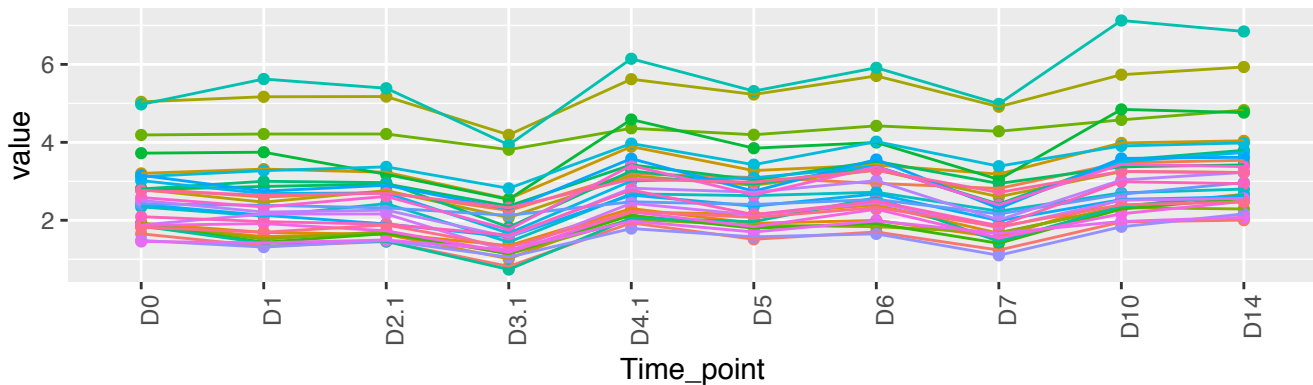
31 genes – WT-cluster-189-original



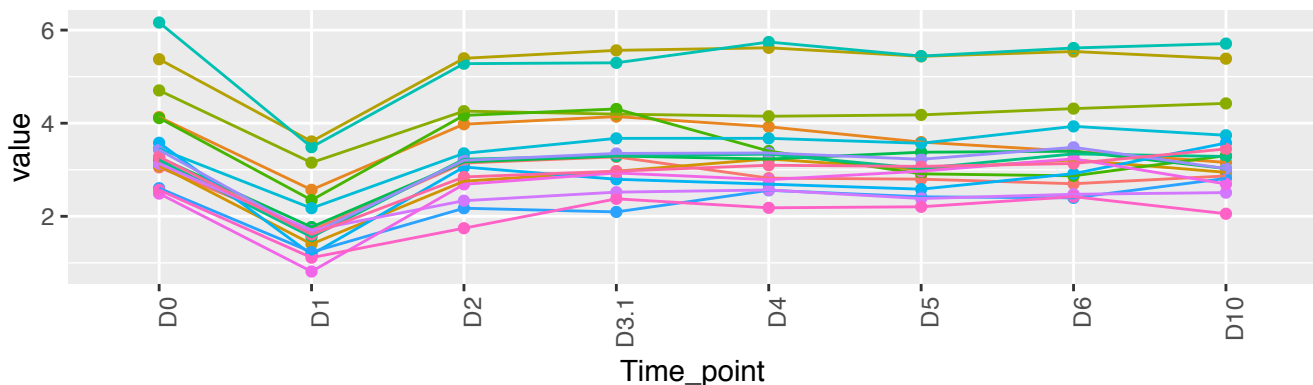
26 genes – KO-cluster-189-original



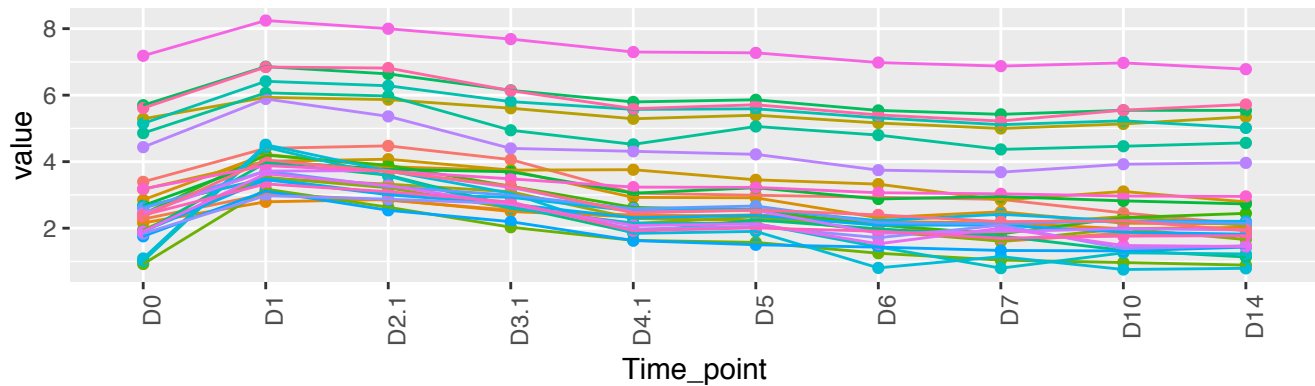
30 genes – WT-cluster-188-original



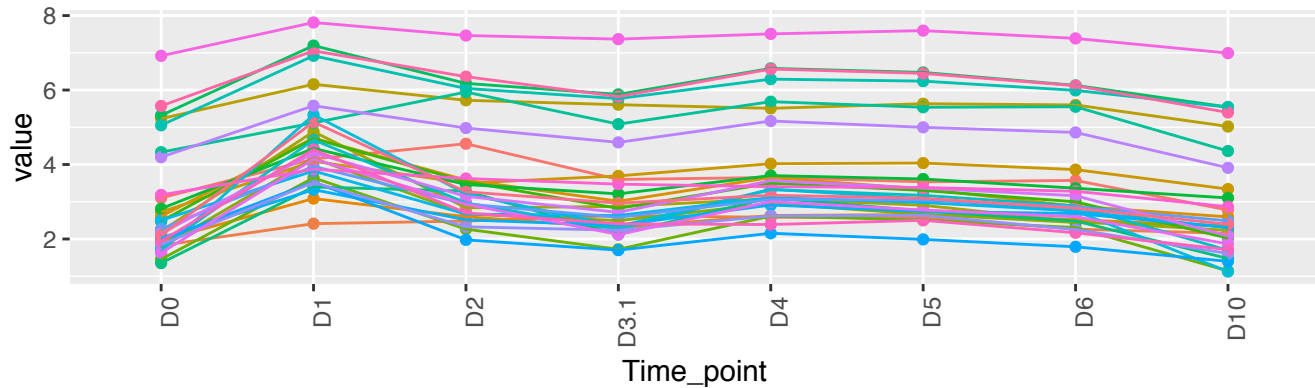
17 genes – KO-cluster-188-original



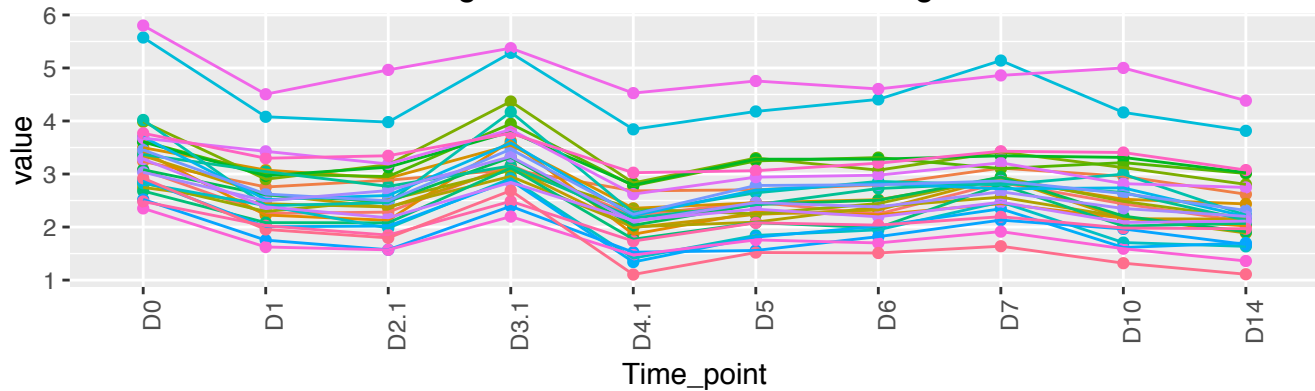
30 genes – WT-cluster-187-original



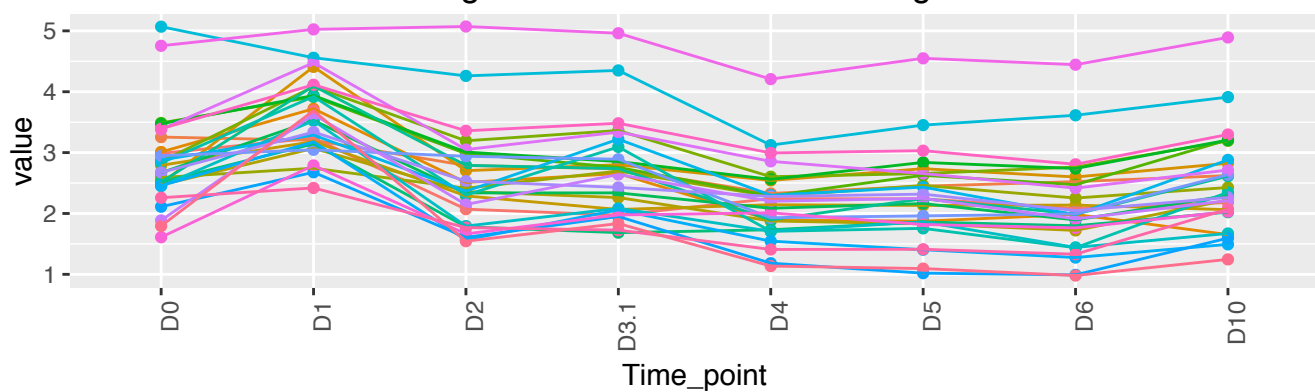
30 genes – KO-cluster-187-original



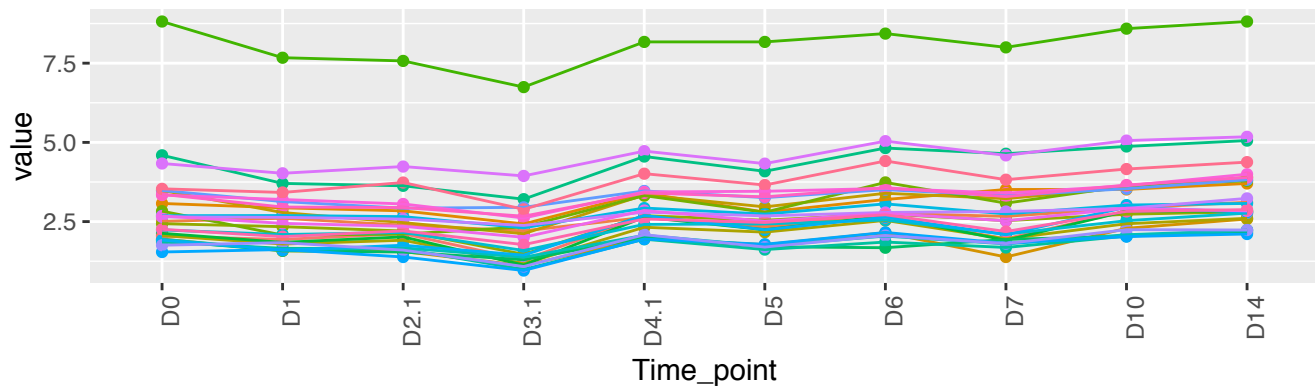
28 genes – WT-cluster-186-original



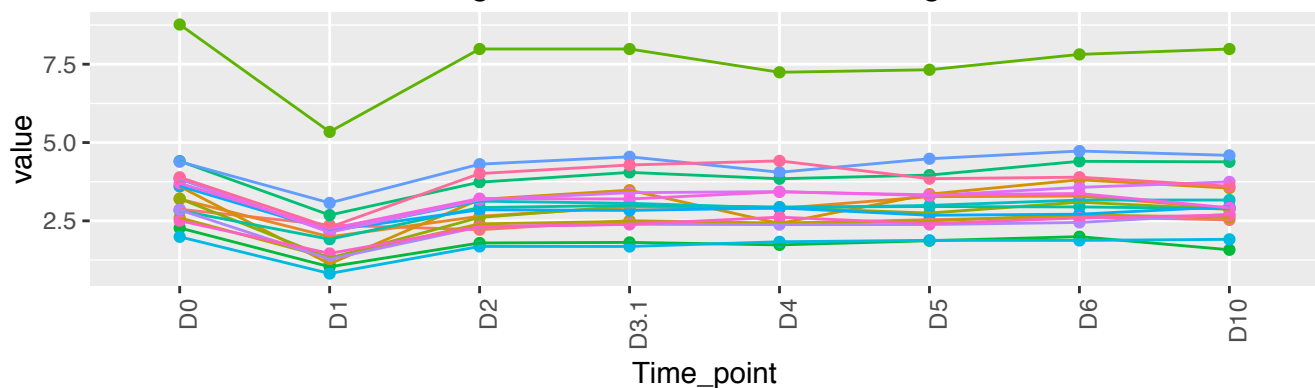
28 genes – KO-cluster-186-original



27 genes – WT-cluster-185-original

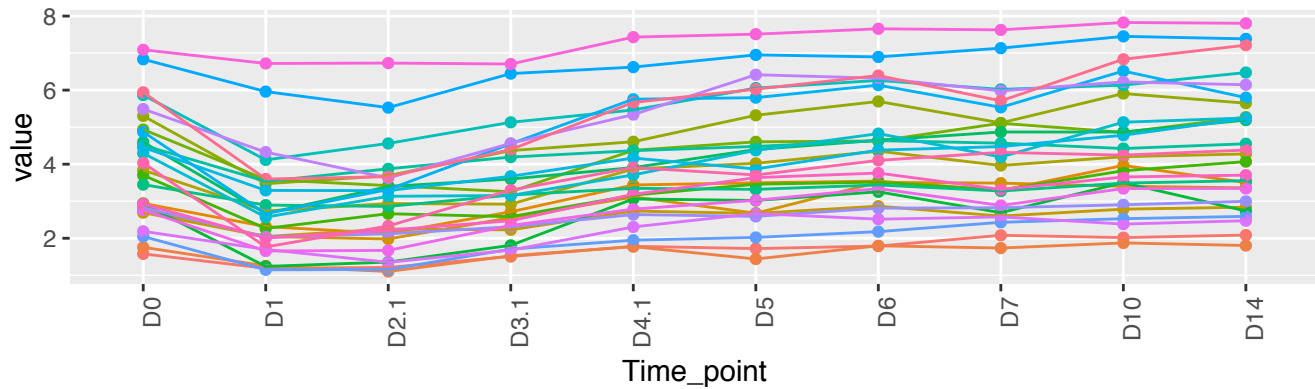


18 genes – KO-cluster-185-original

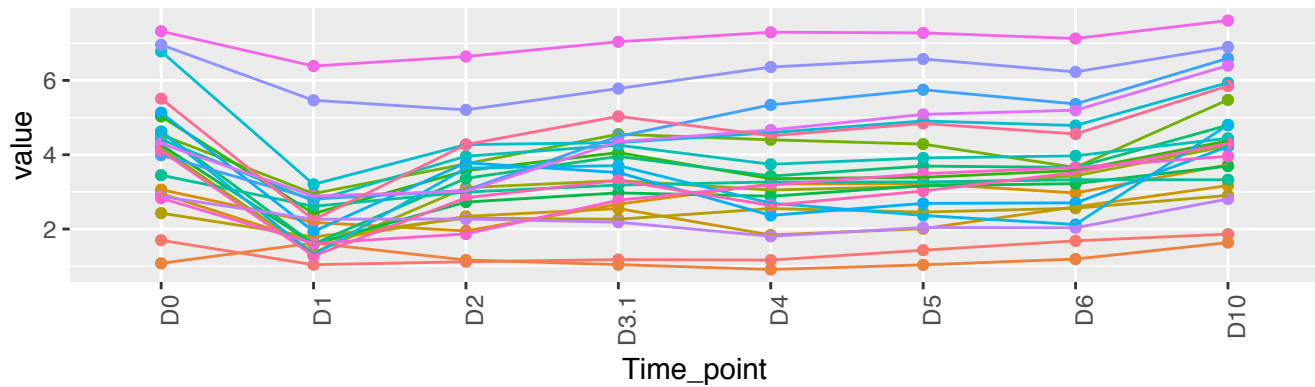




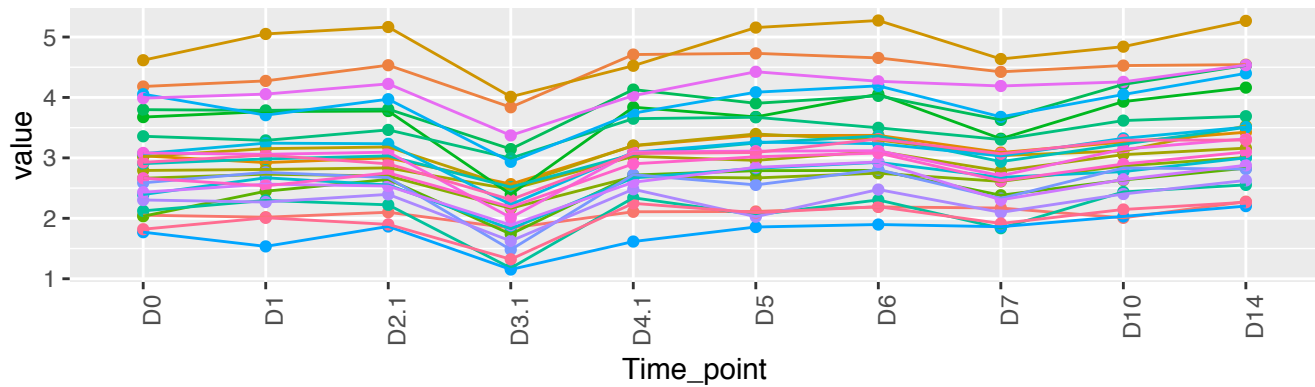
27 genes – WT-cluster-184-original



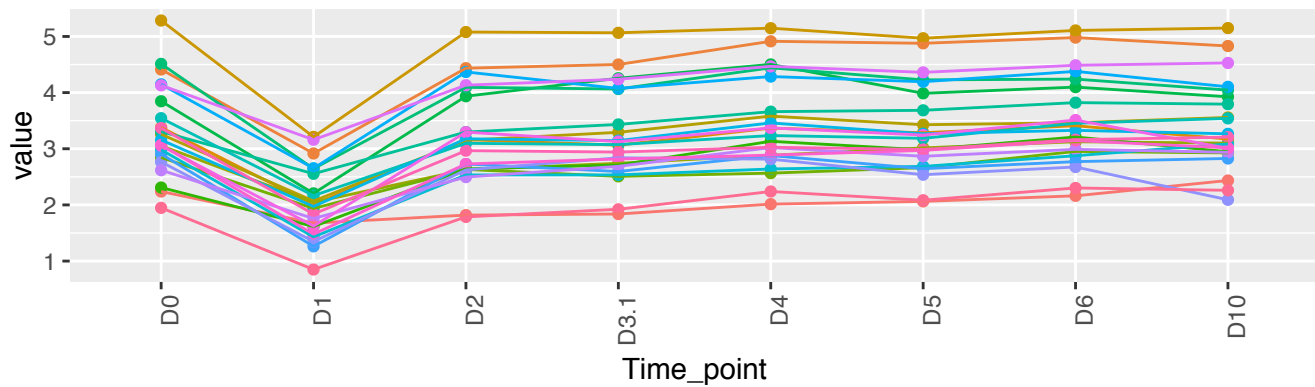
23 genes – KO-cluster-184-original



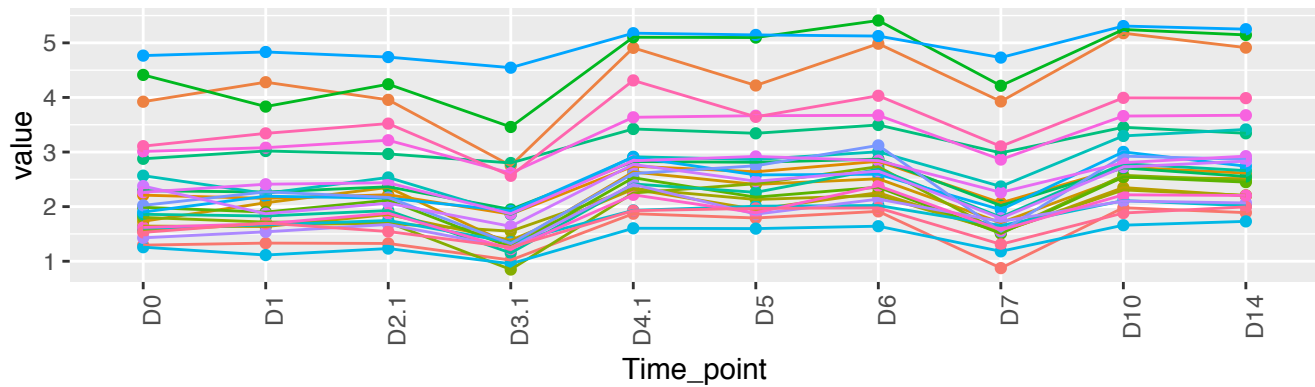
25 genes – WT-cluster-183-original



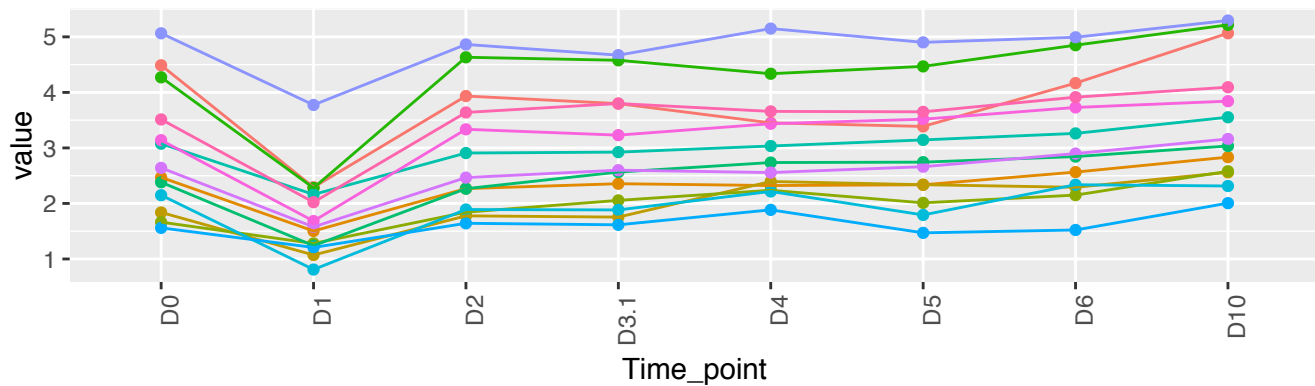
23 genes – KO-cluster-183-original



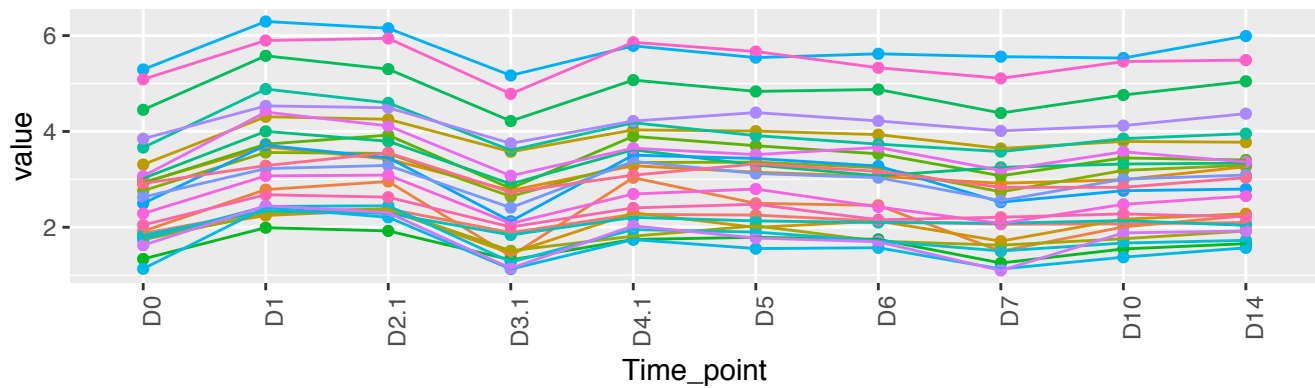
25 genes – WT-cluster-182-original



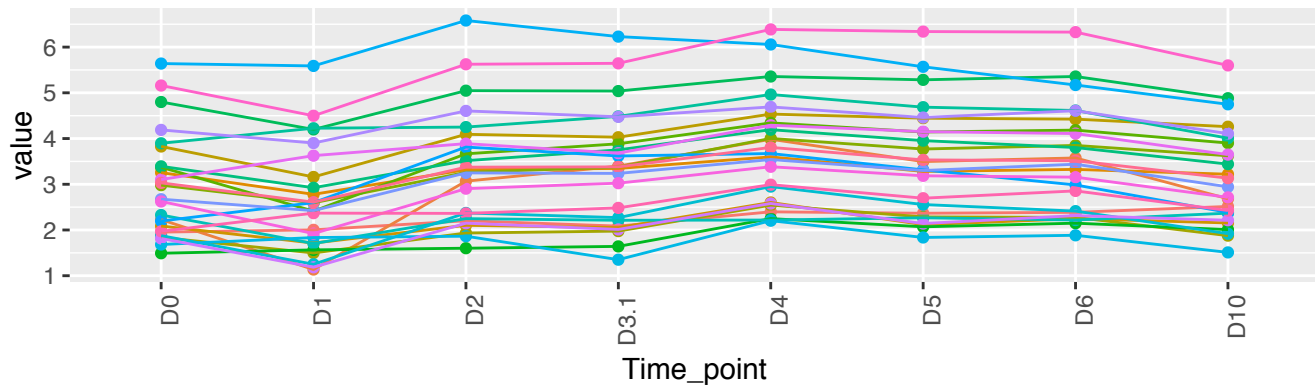
13 genes – KO-cluster-182-original



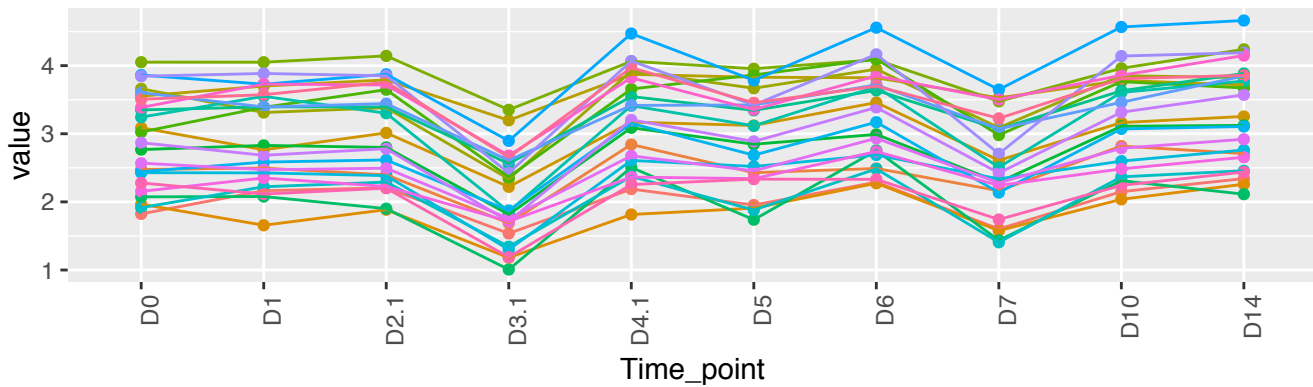
25 genes – WT-cluster-181-original



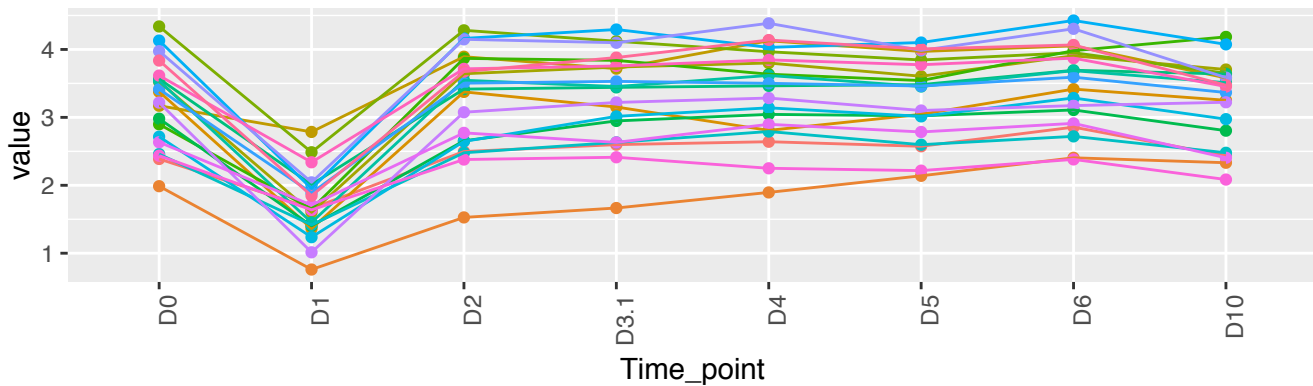
25 genes – KO-cluster-181-original



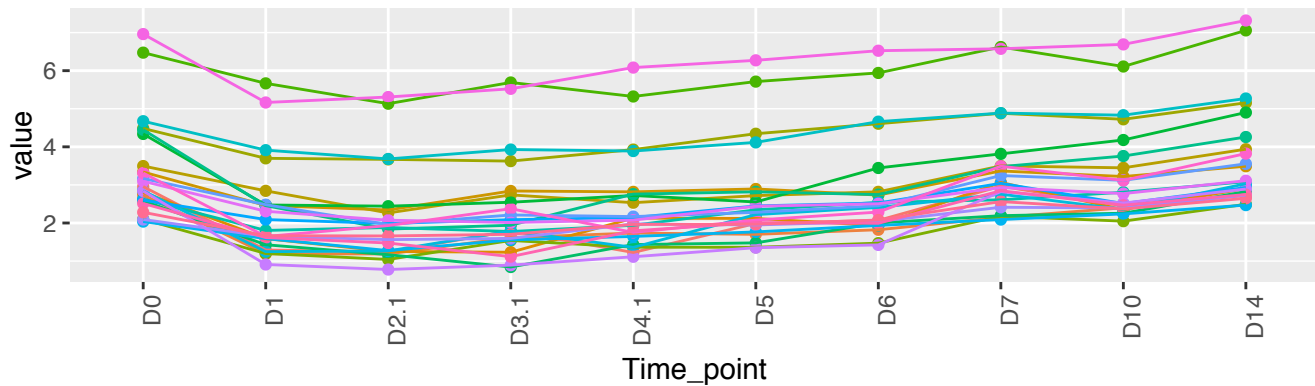
24 genes – WT-cluster-180-original



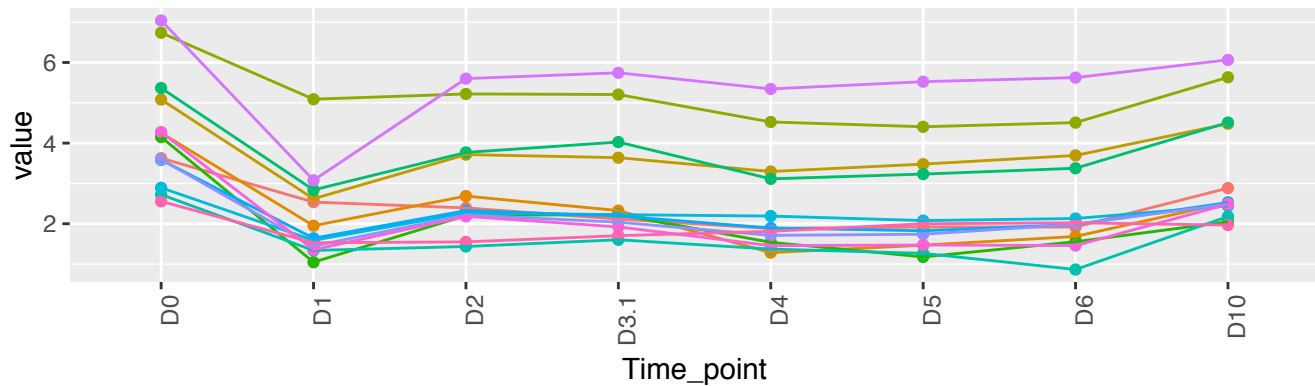
20 genes – KO-cluster-180-original



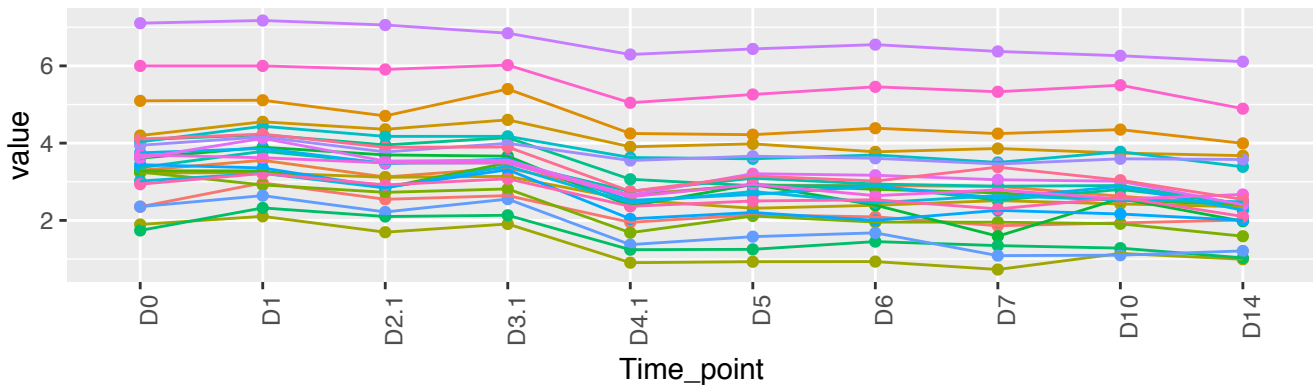
24 genes – WT-cluster-179-original



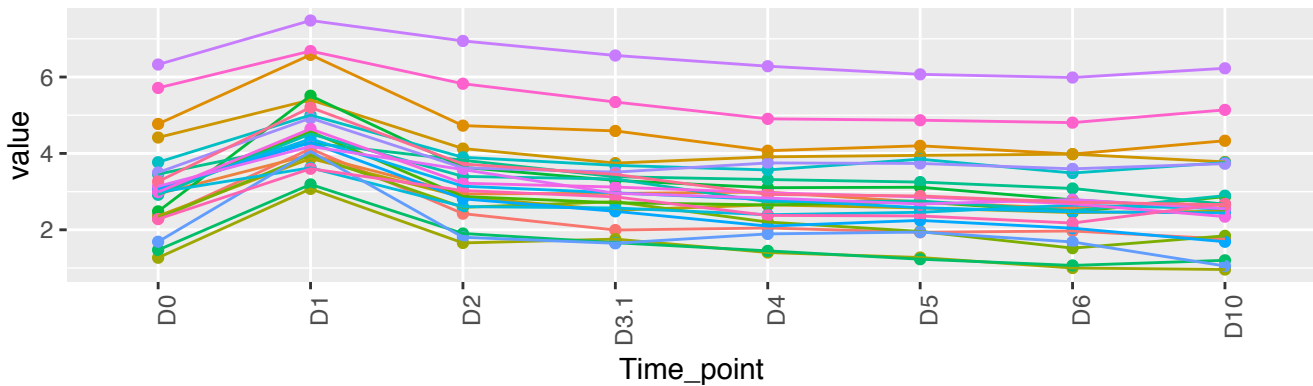
13 genes – KO-cluster-179-original



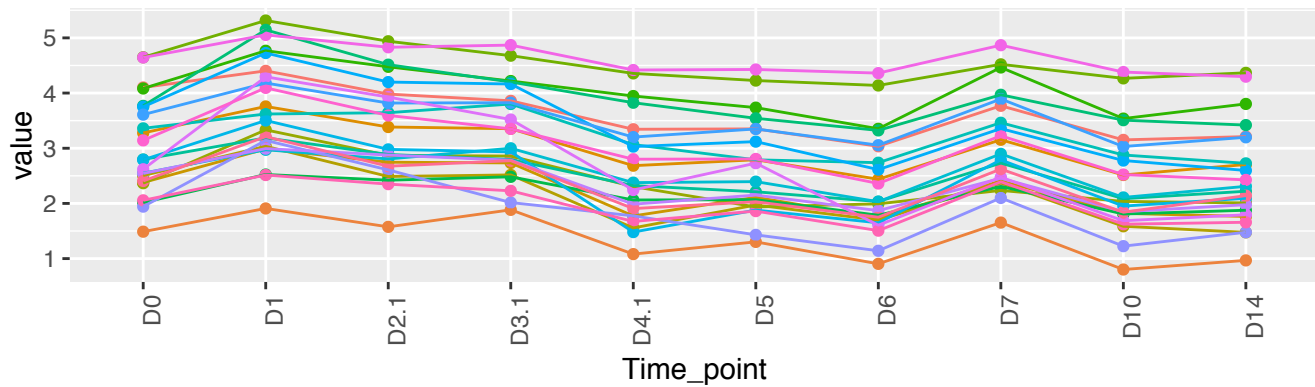
24 genes – WT-cluster-178-original



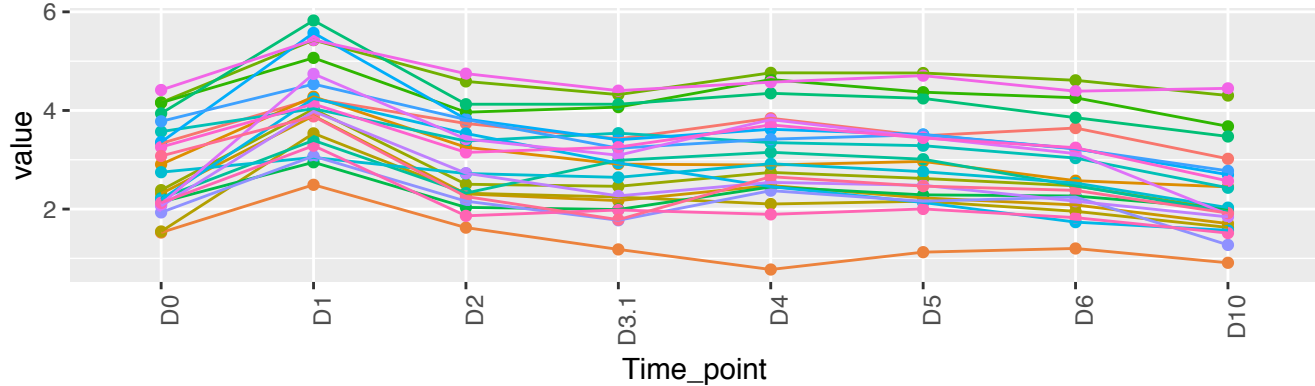
24 genes – KO-cluster-178-original



23 genes – WT-cluster-177-original

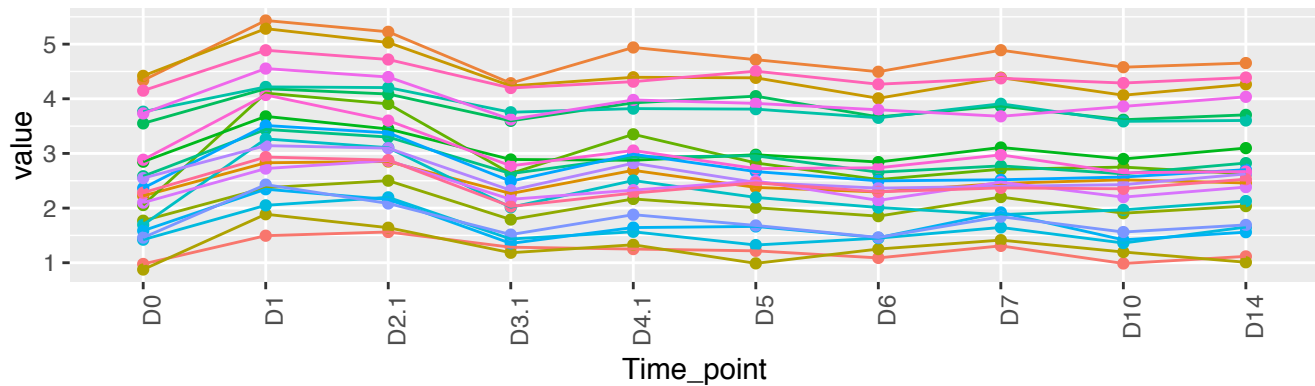


23 genes – KO-cluster-177-original

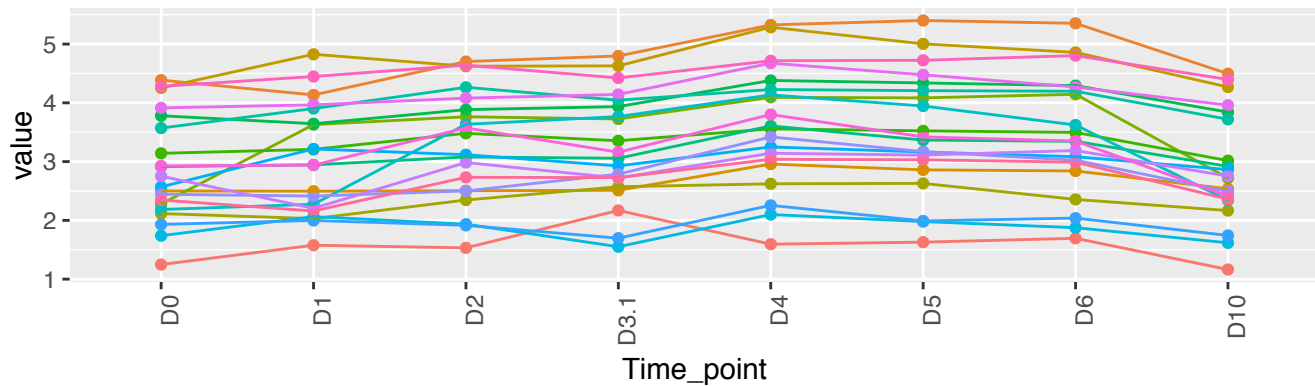




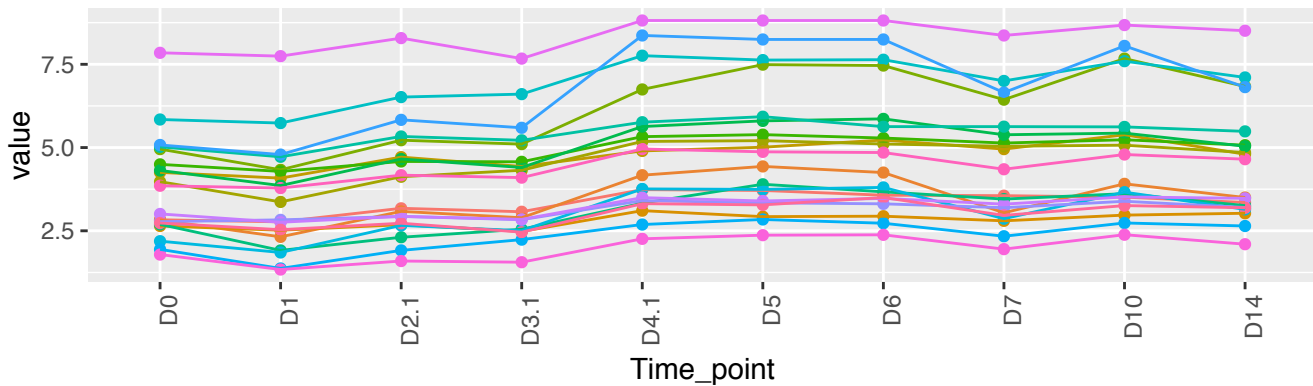
22 genes – WT-cluster-176-original



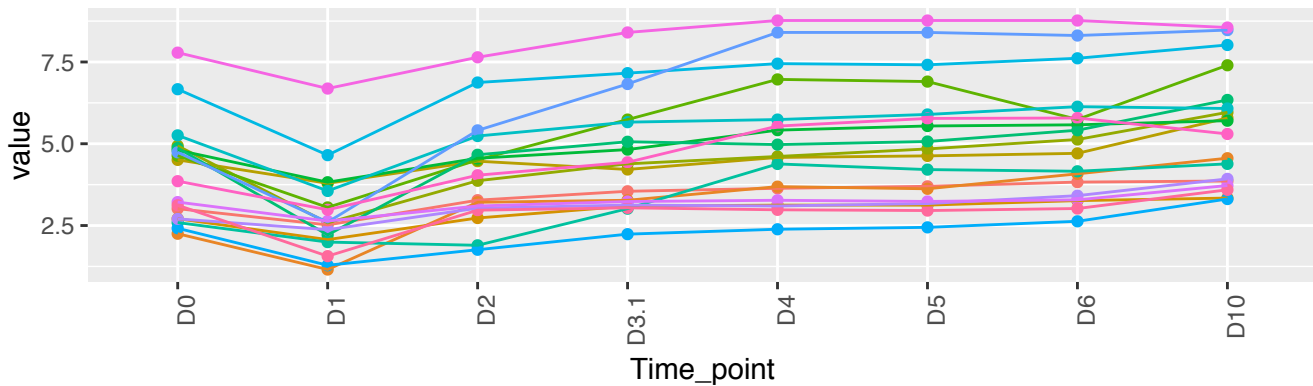
20 genes – KO-cluster-176-original



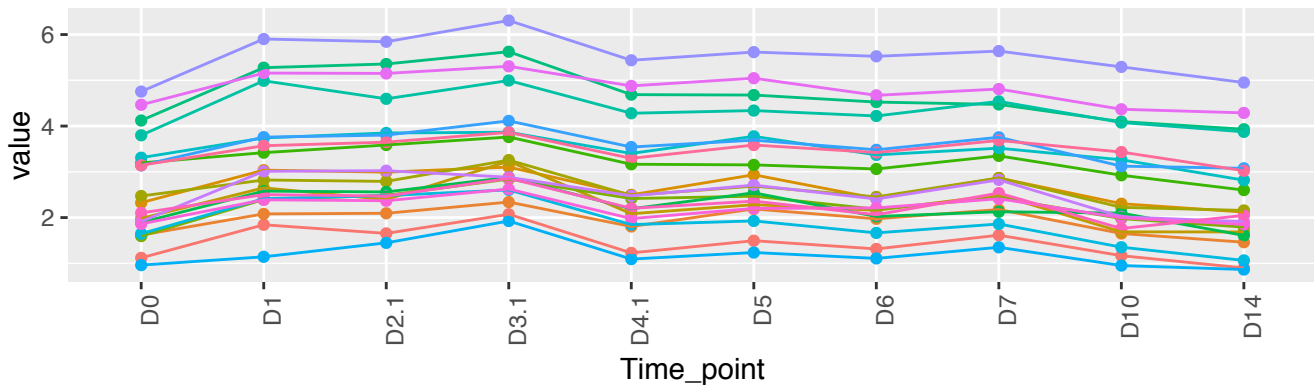
20 genes – WT-cluster-175-original



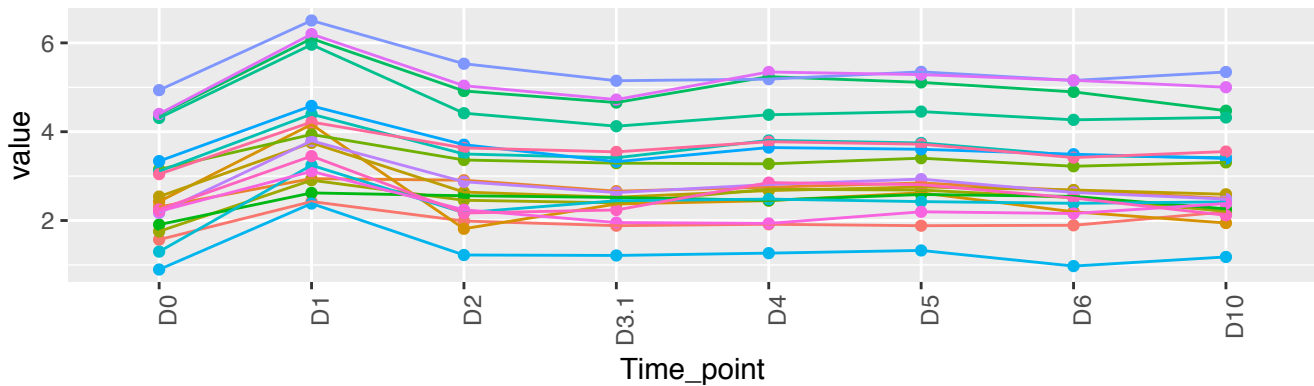
18 genes – KO-cluster-175-original



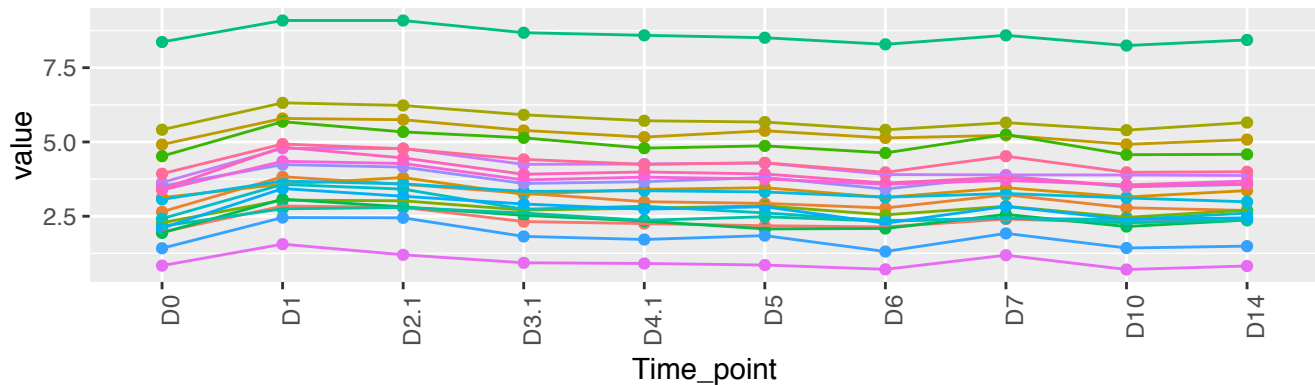
20 genes – WT-cluster-174-original



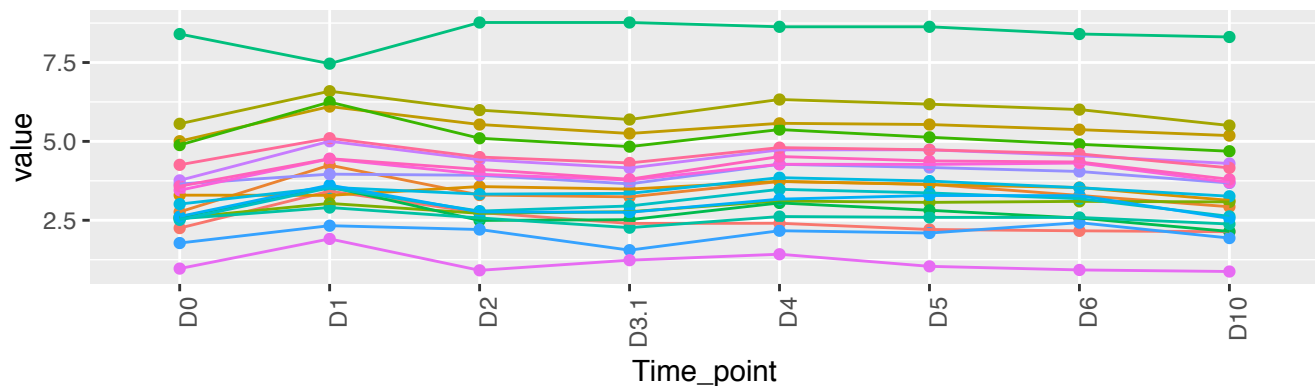
19 genes – KO-cluster-174-original



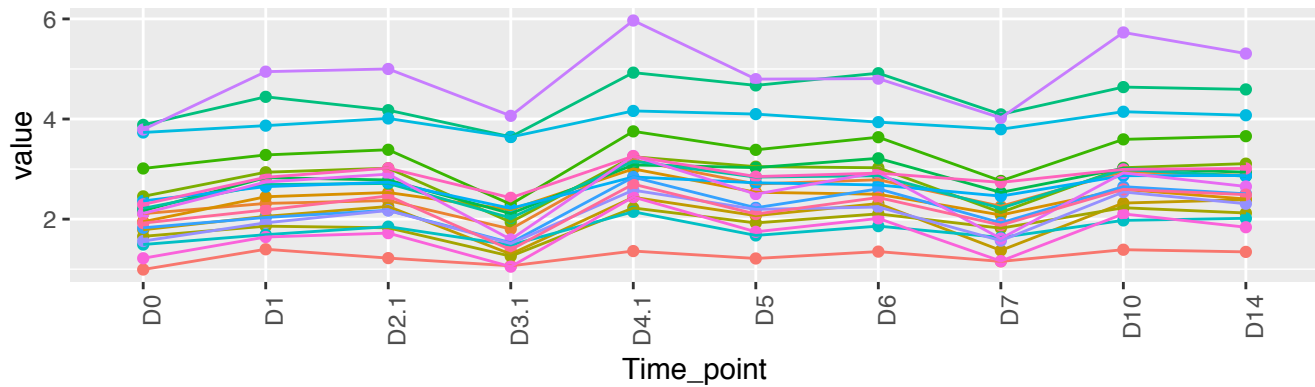
20 genes – WT-cluster-173-original



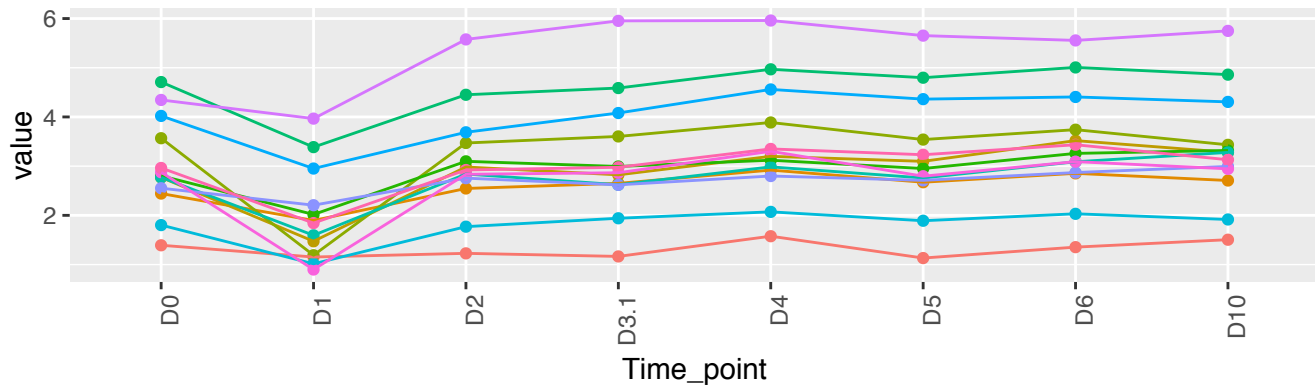
20 genes – KO-cluster-173-original



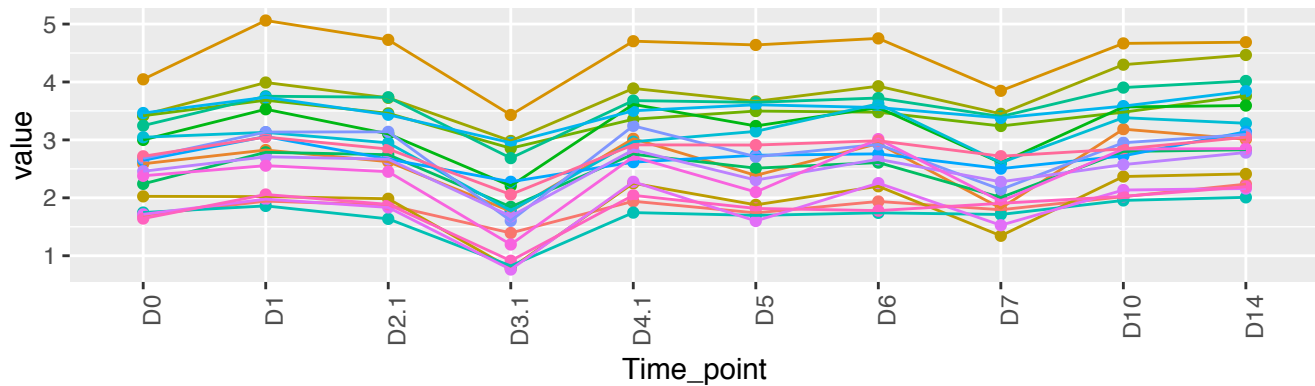
20 genes – WT-cluster-172-original



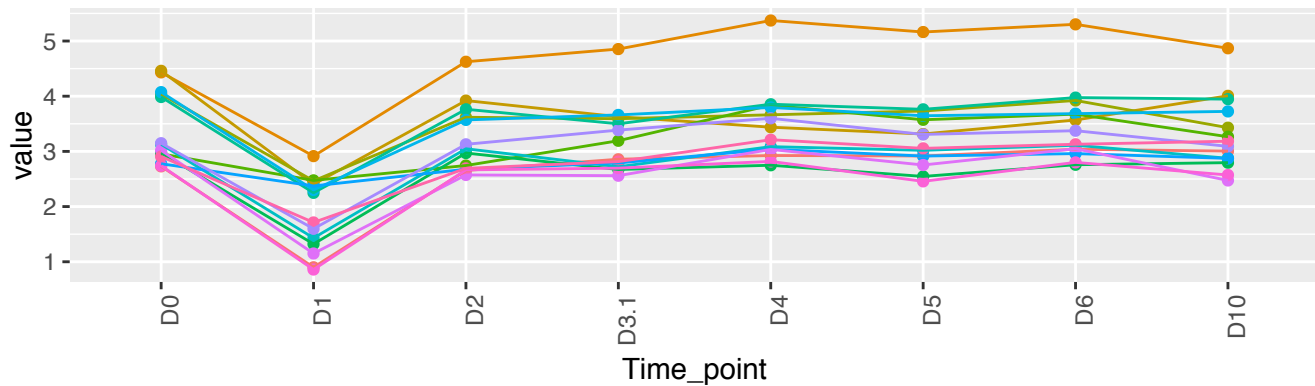
13 genes – KO-cluster-172-original



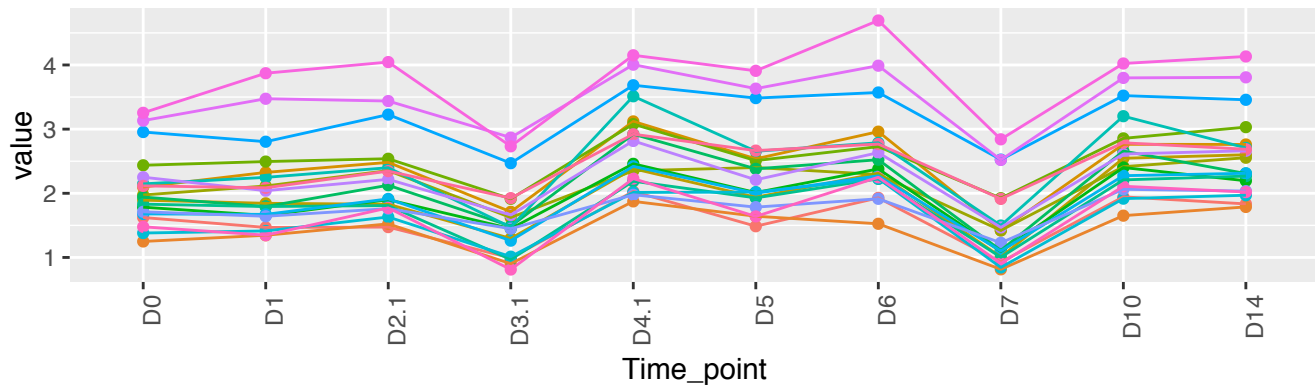
19 genes – WT-cluster-171-original



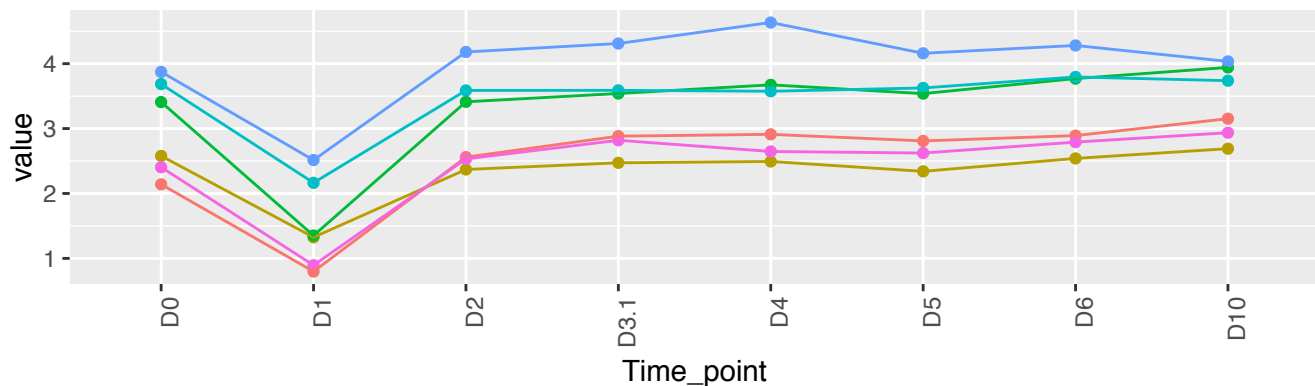
14 genes – KO-cluster-171-original



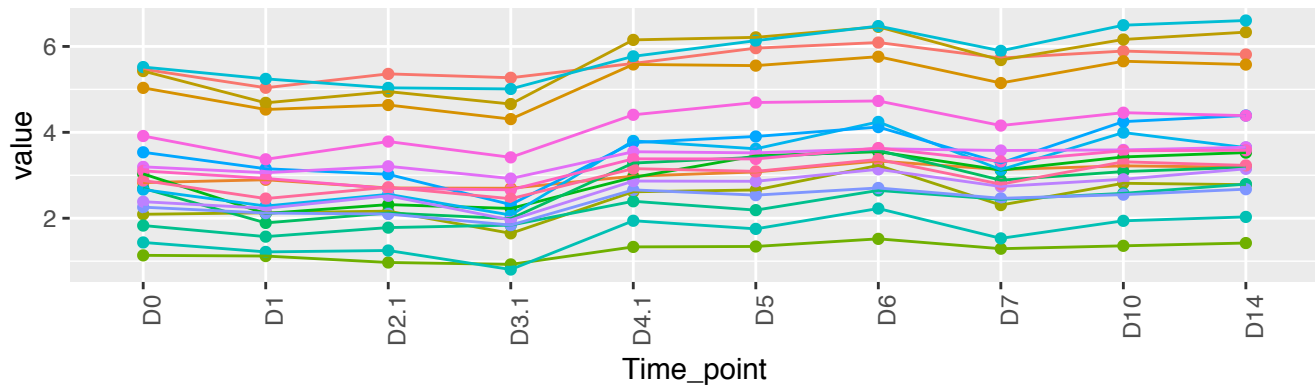
19 genes – WT-cluster-170-original



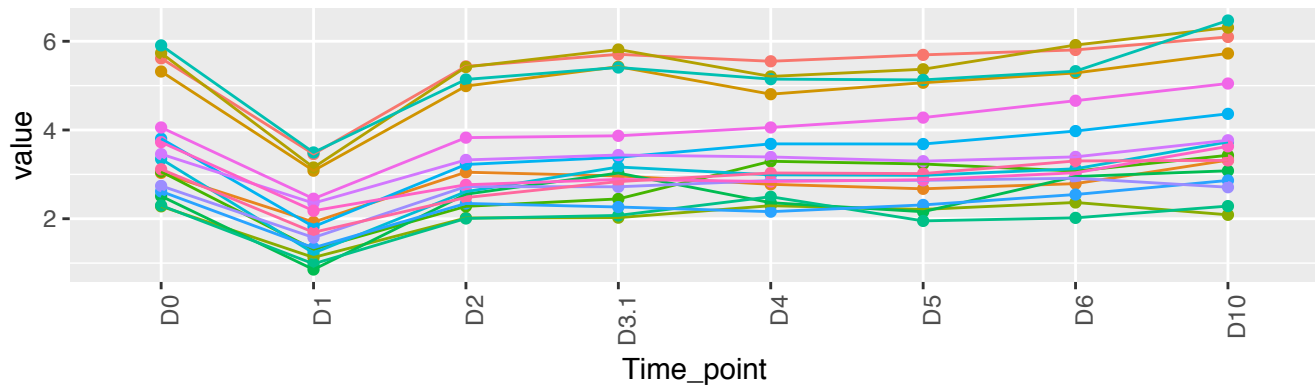
6 genes – KO-cluster-170-original



19 genes – WT-cluster-169-original

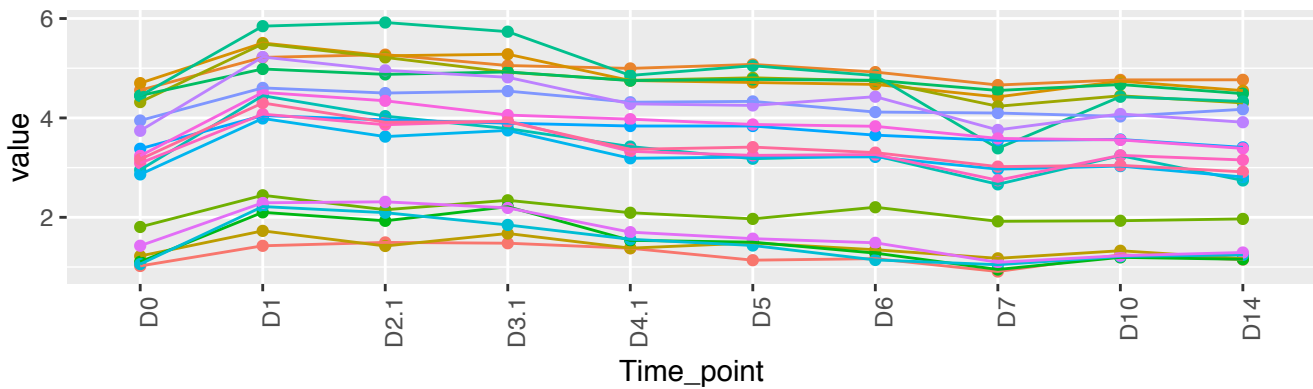


17 genes – KO-cluster-169-original

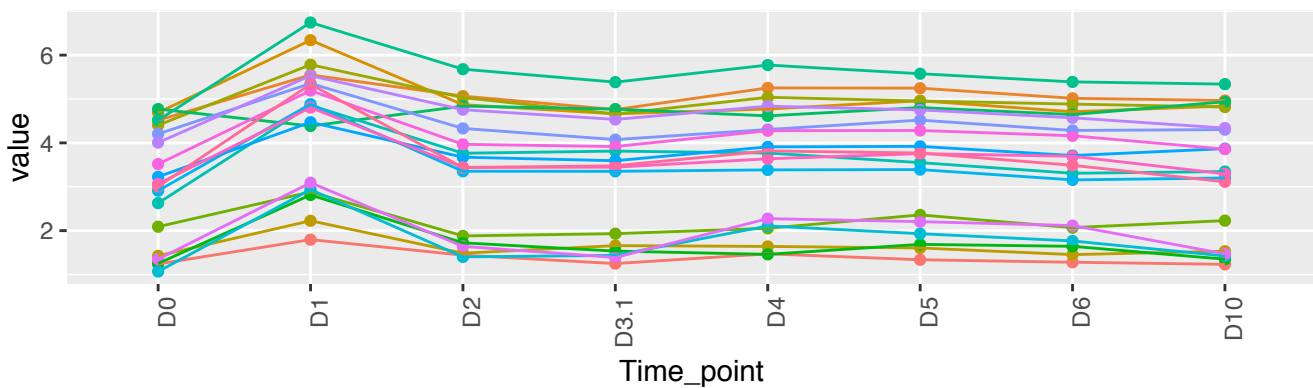




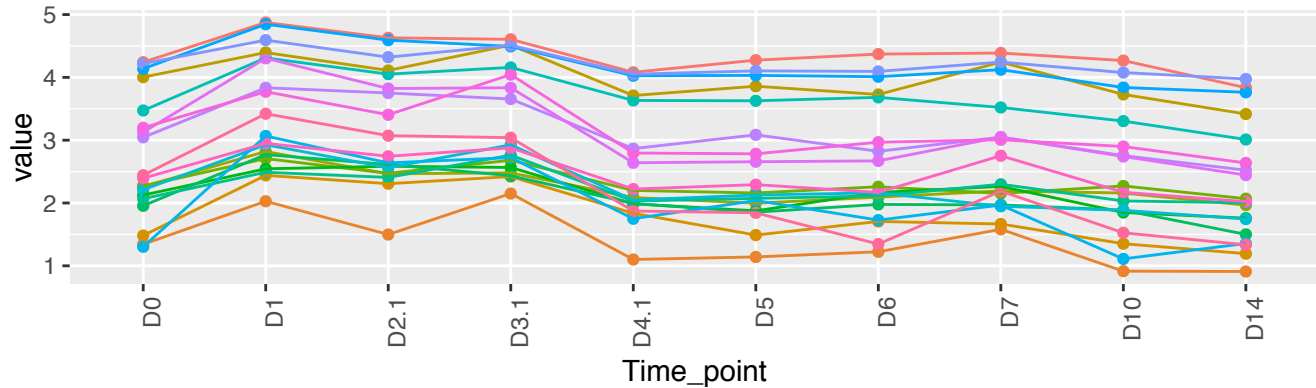
19 genes – WT-cluster-168-original



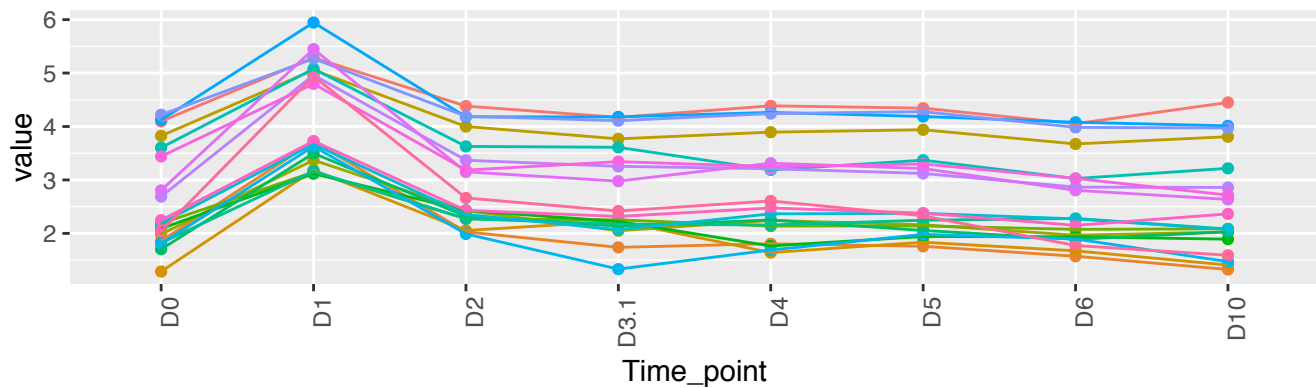
19 genes – KO-cluster-168-original



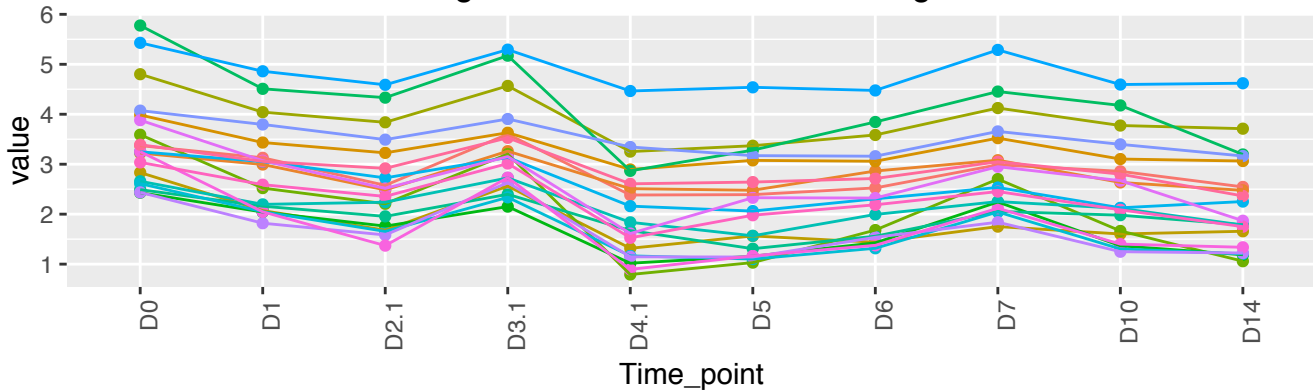
19 genes – WT-cluster-167-original



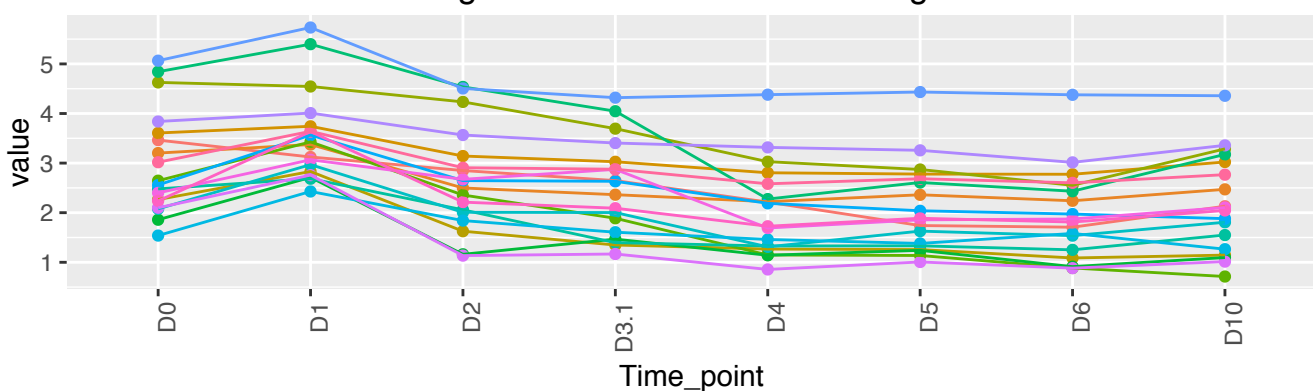
19 genes – KO-cluster-167-original



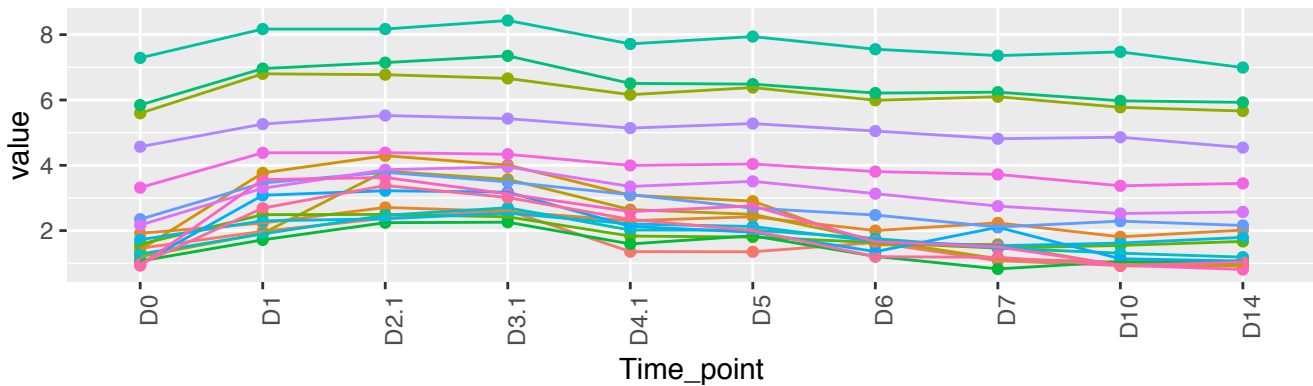
19 genes – WT-cluster-166-original



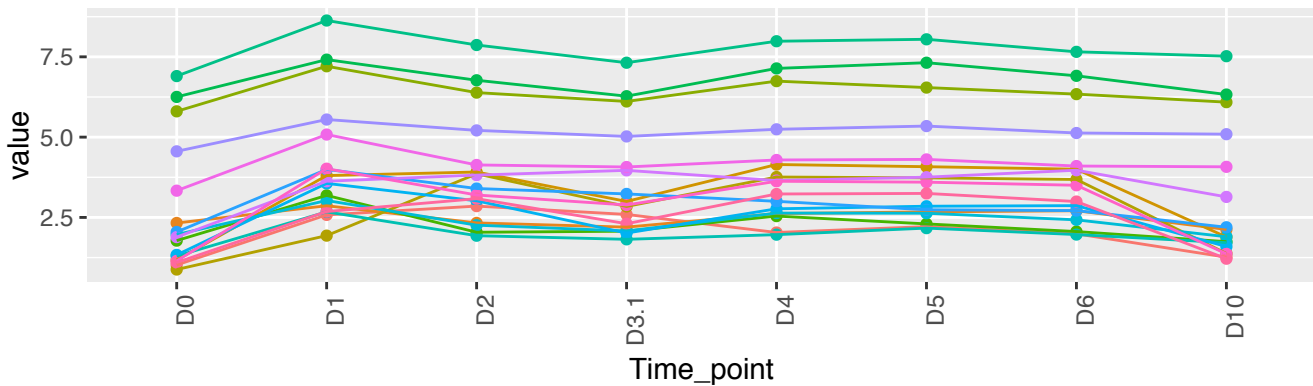
18 genes – KO-cluster-166-original



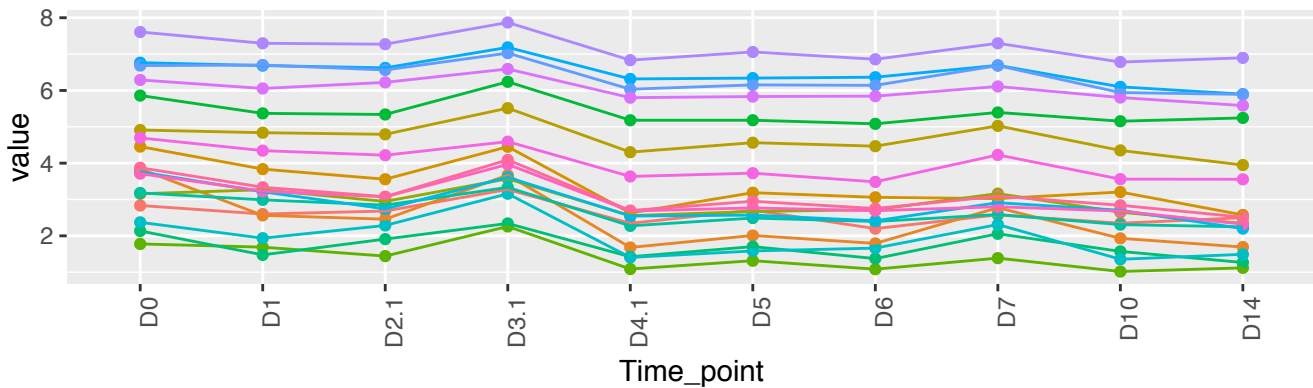
18 genes – WT-cluster-165-original



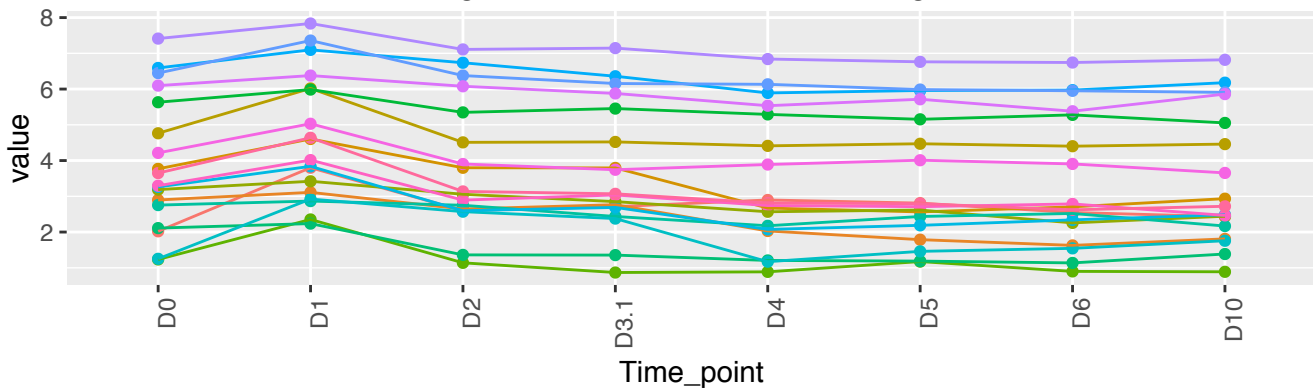
17 genes – KO-cluster-165-original



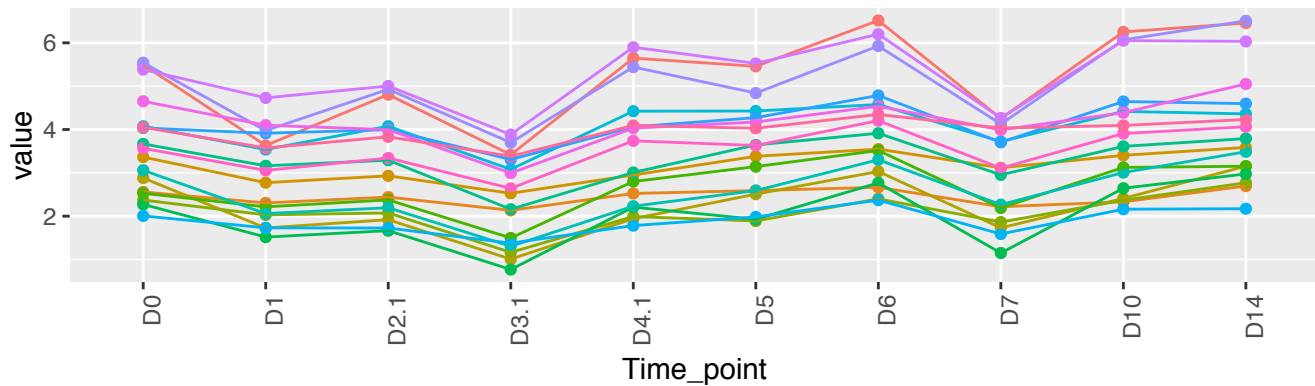
18 genes – WT-cluster-164-original



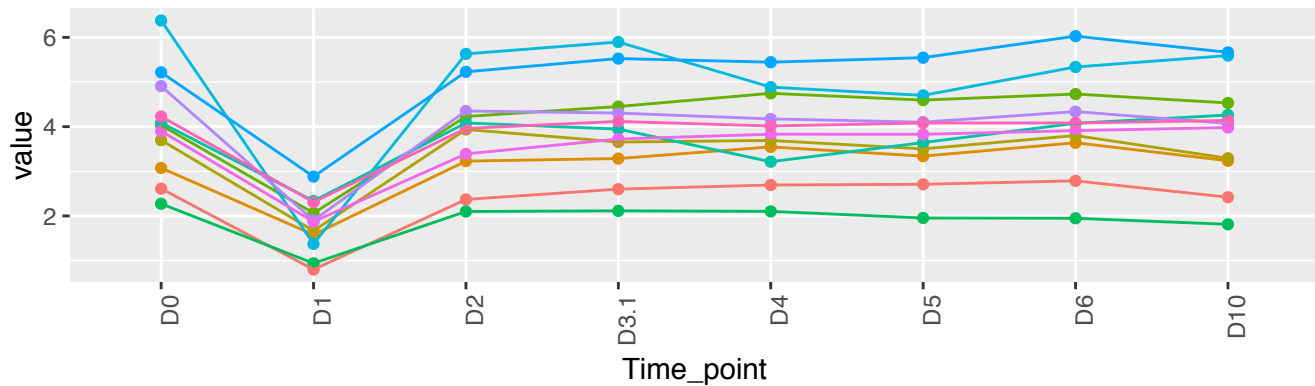
18 genes – KO-cluster-164-original



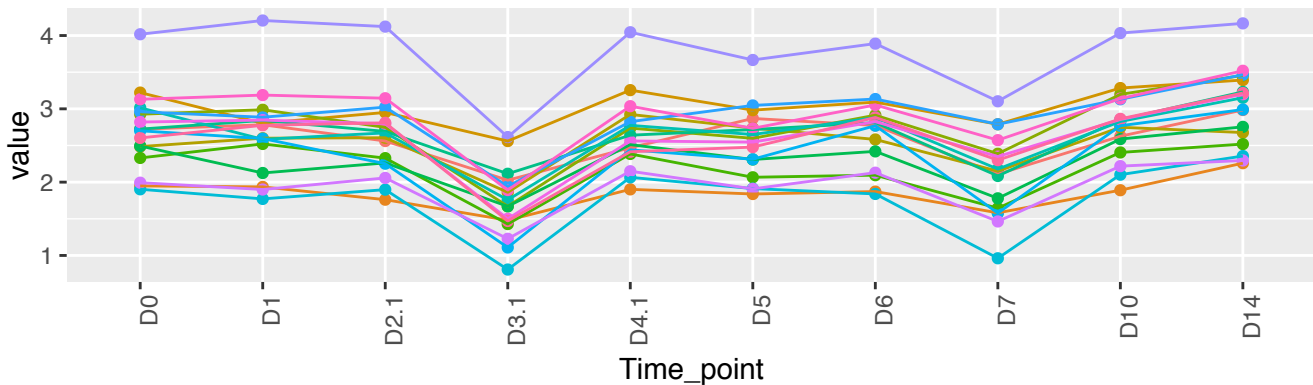
17 genes – WT-cluster-163-original



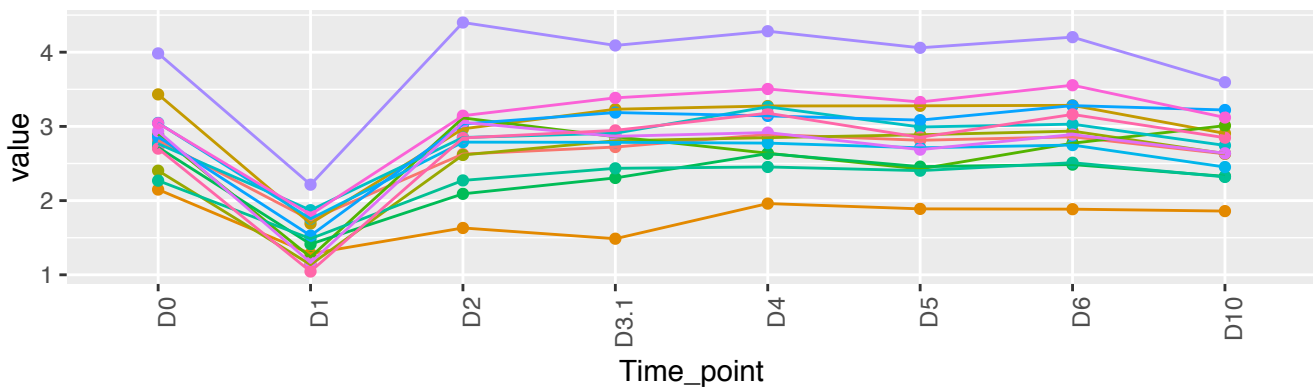
11 genes – KO-cluster-163-original



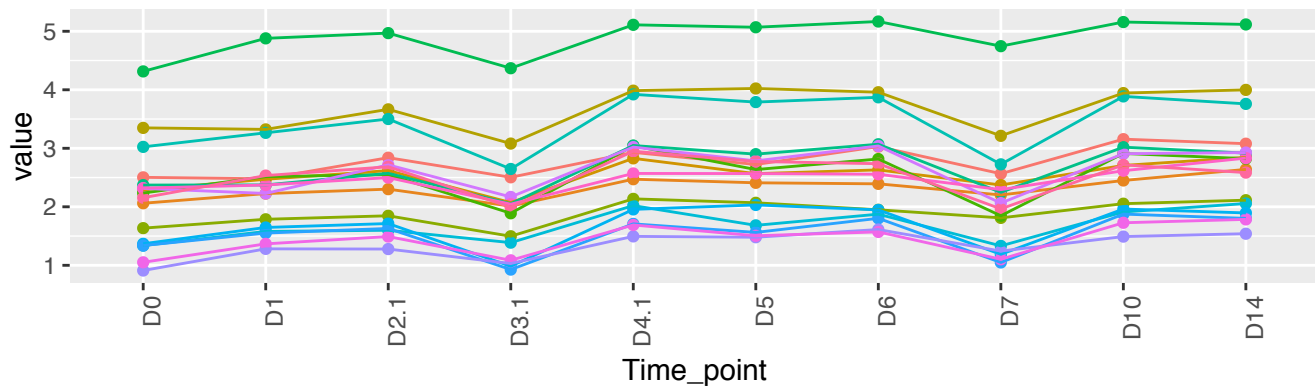
17 genes – WT-cluster-162-original



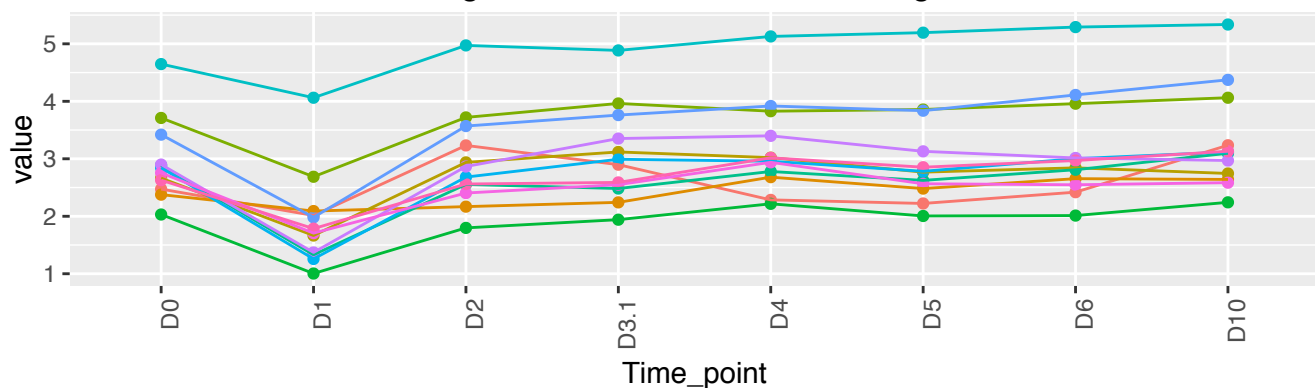
14 genes – KO-cluster-162-original



17 genes – WT-cluster-161-original

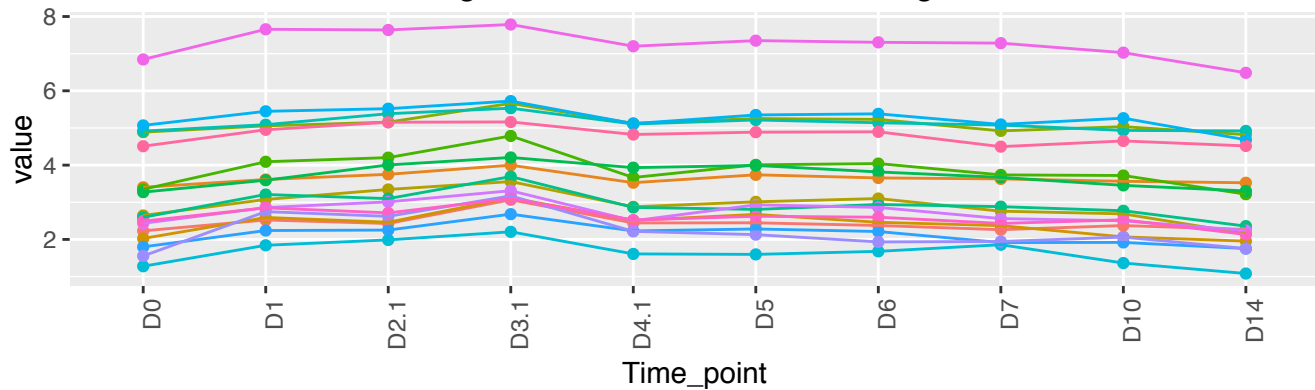


12 genes – KO-cluster-161-original

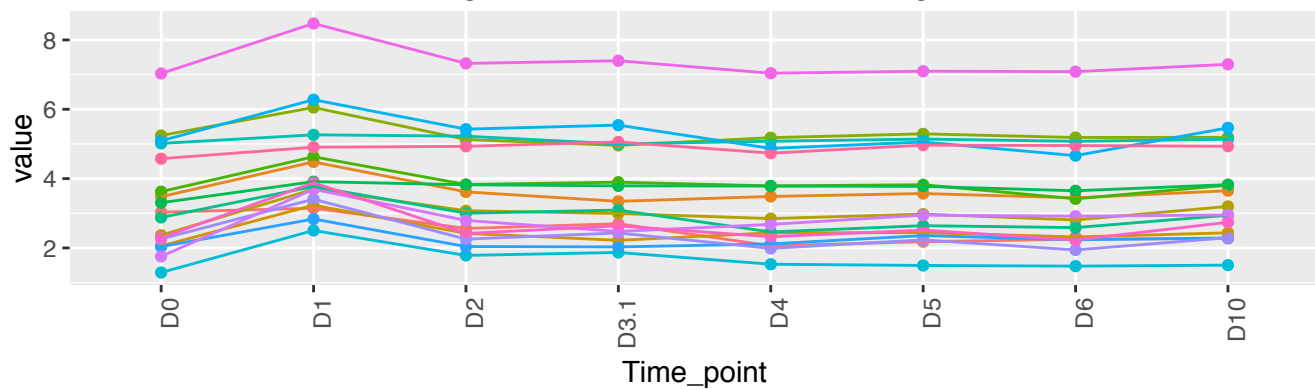




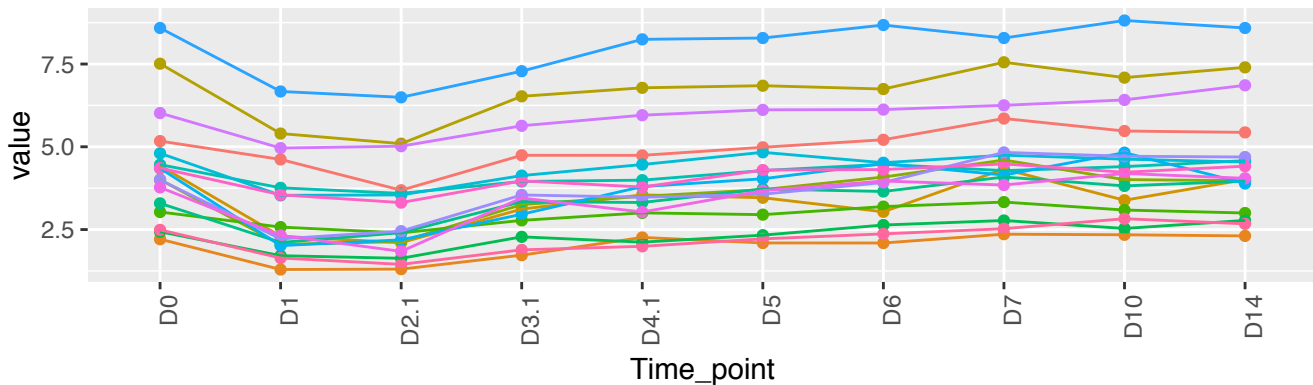
17 genes – WT-cluster-160-original



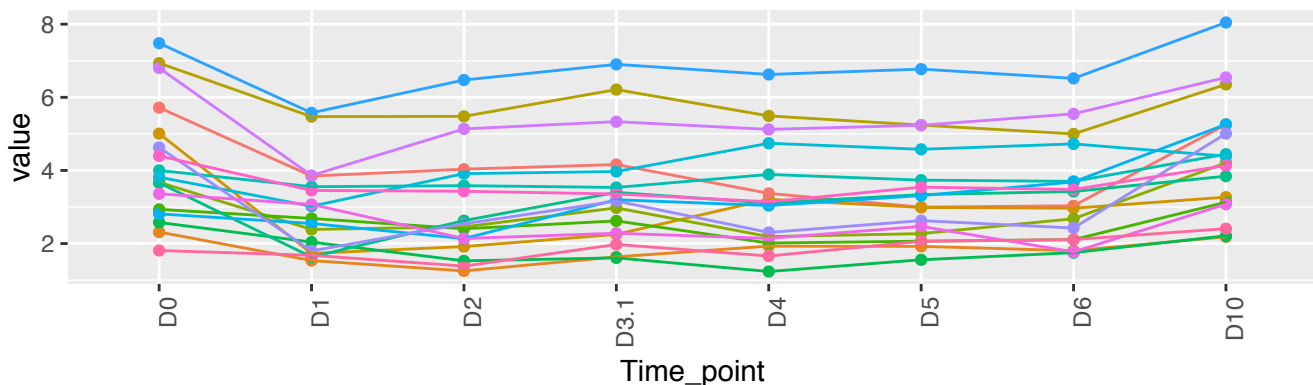
17 genes – KO-cluster-160-original



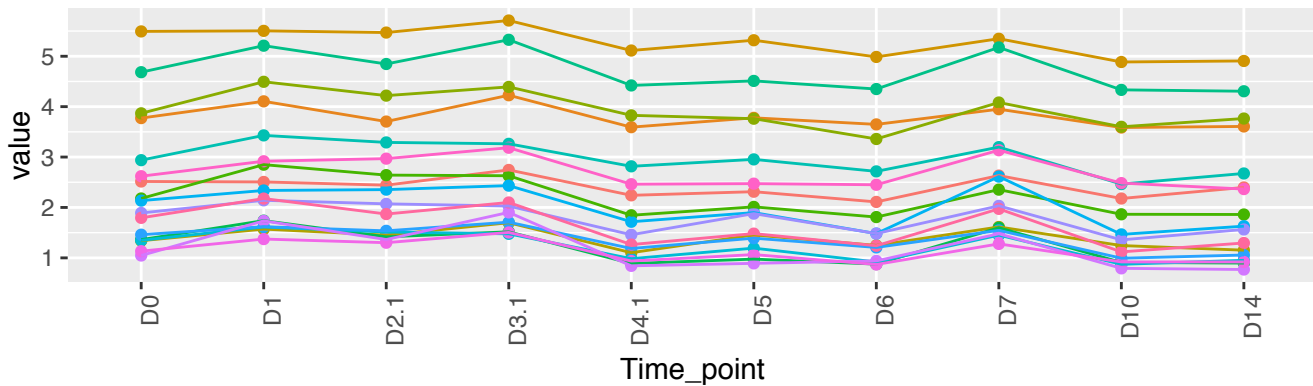
17 genes – WT-cluster-159-original



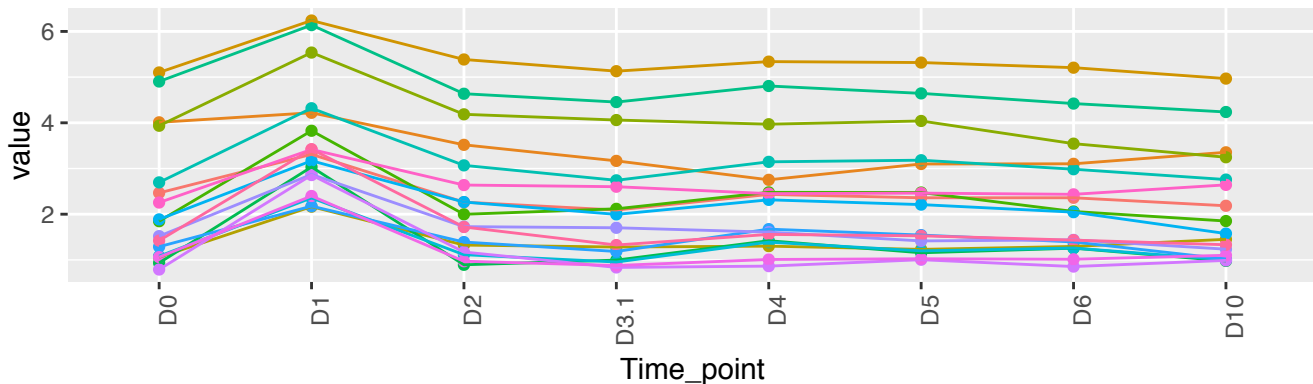
17 genes – KO-cluster-159-original



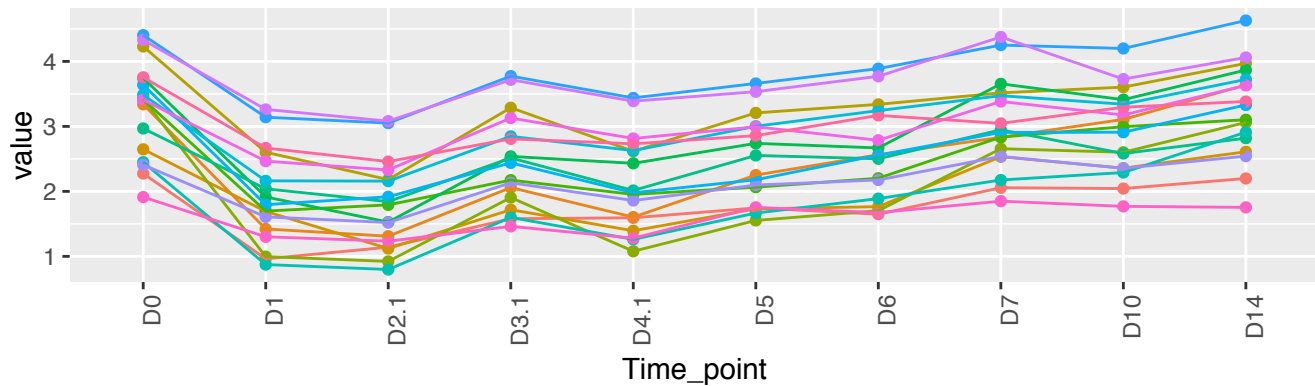
17 genes – WT-cluster-158-original



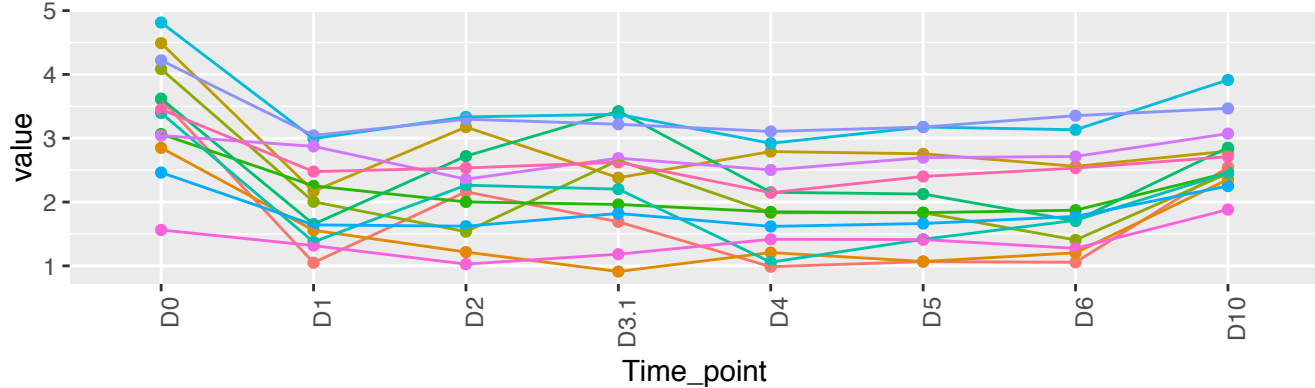
17 genes – KO-cluster-158-original



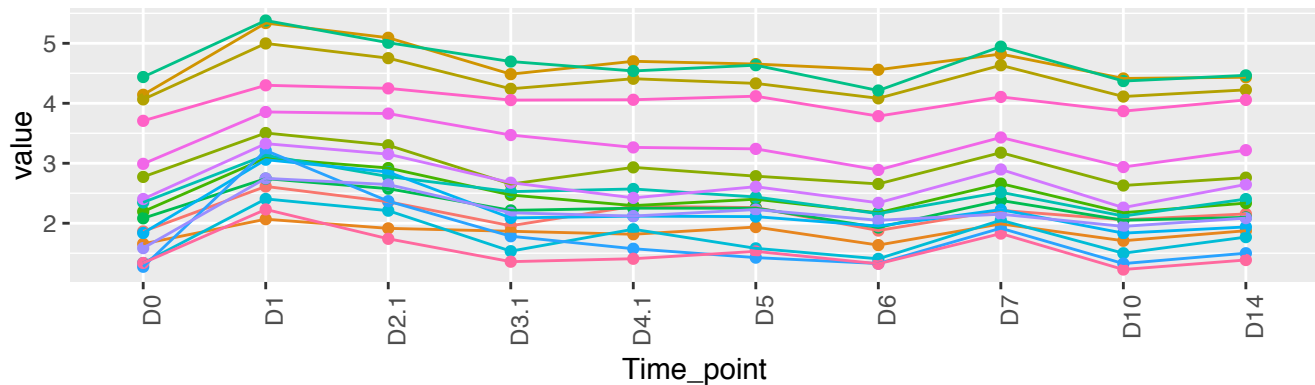
17 genes – WT-cluster-157-original



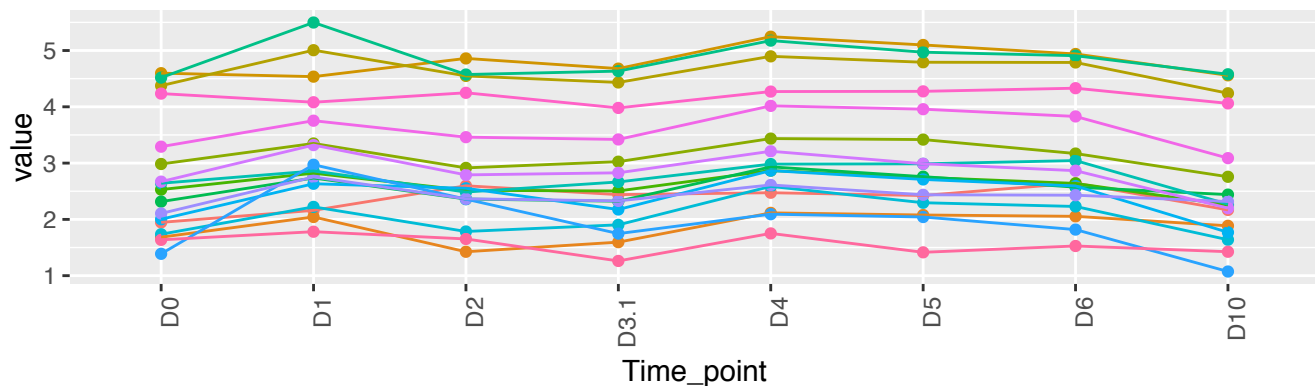
13 genes – KO-cluster-157-original



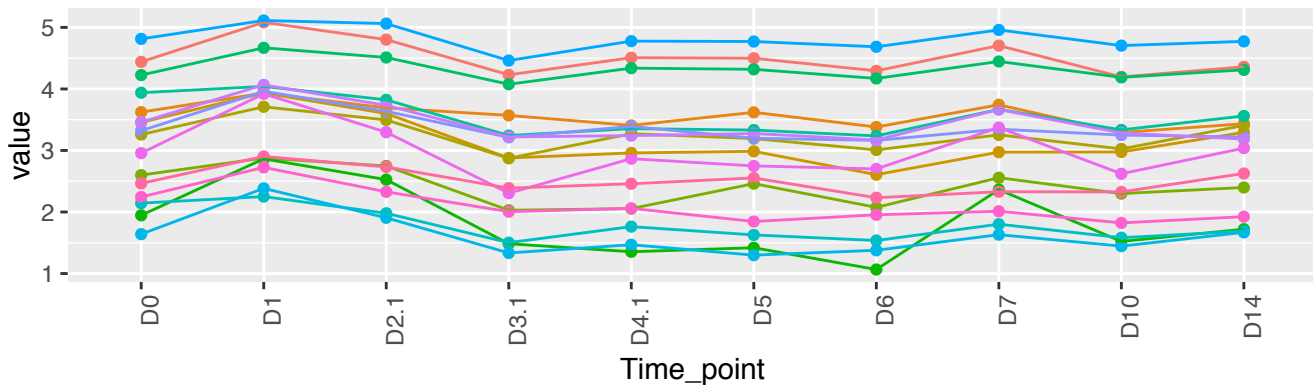
17 genes – WT-cluster-156-original



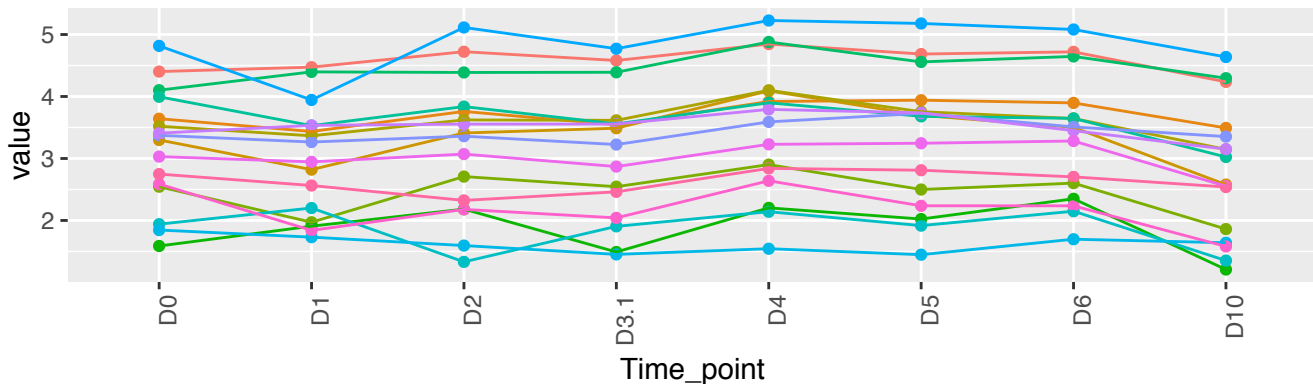
17 genes – KO-cluster-156-original



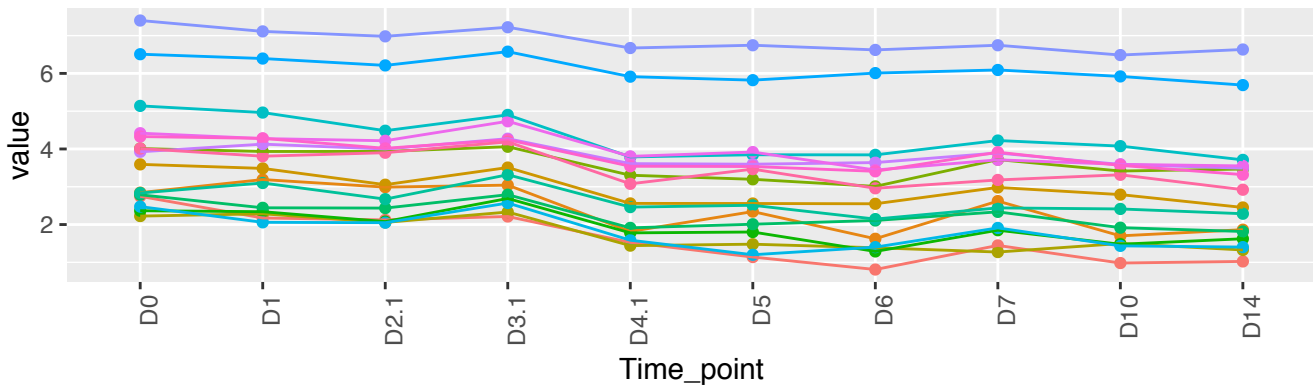
16 genes – WT-cluster-155-original



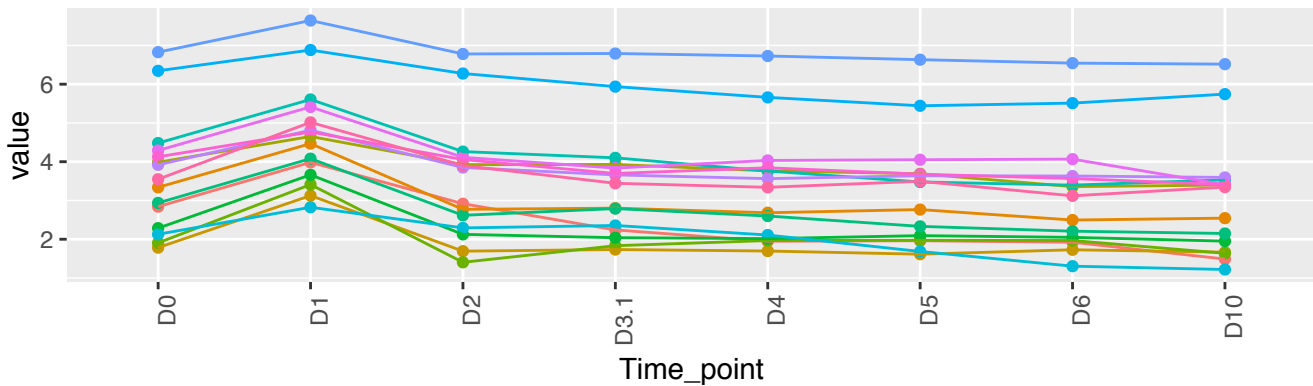
16 genes – KO-cluster-155-original



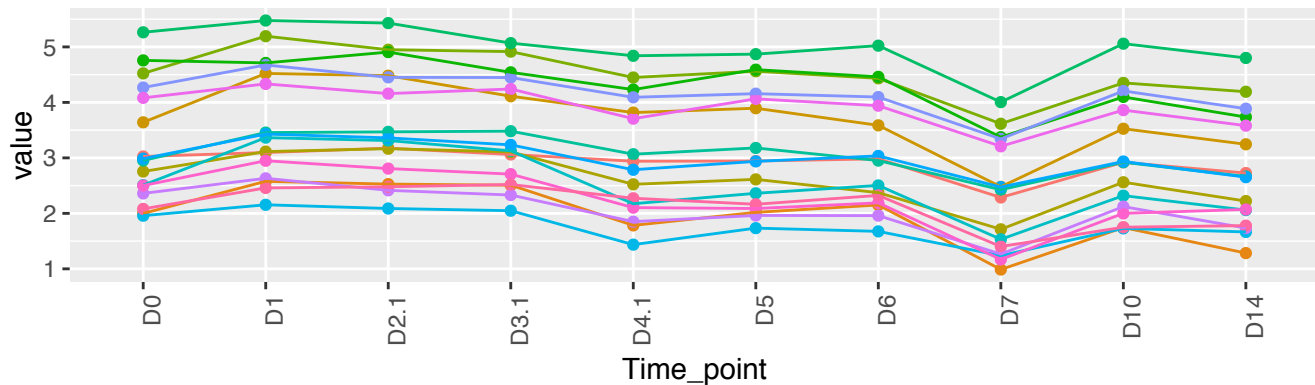
16 genes – WT-cluster-154-original



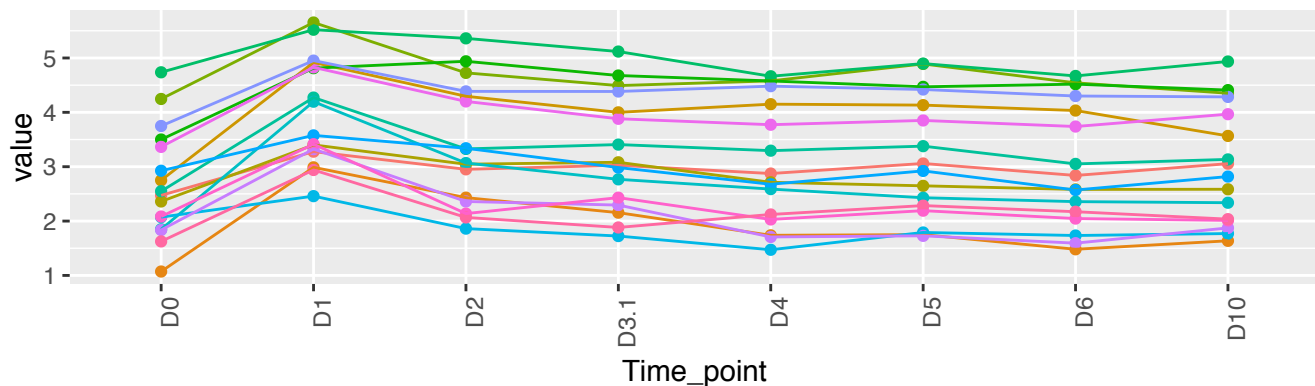
15 genes – KO-cluster-154-original



16 genes – WT-cluster-153-original

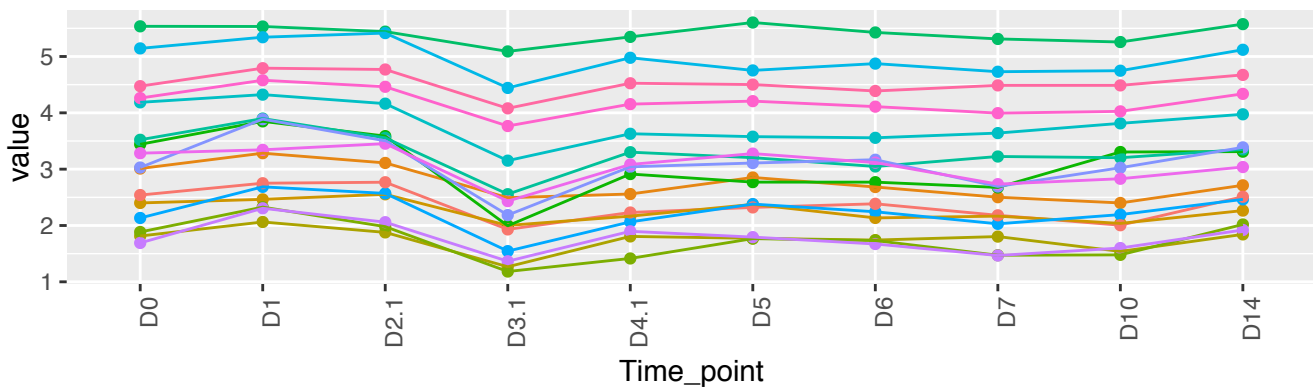


16 genes – KO-cluster-153-original

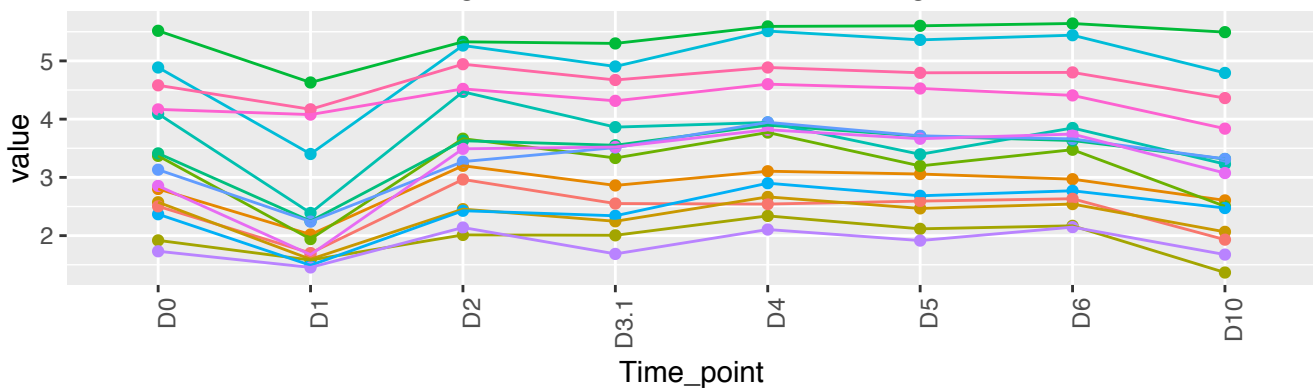




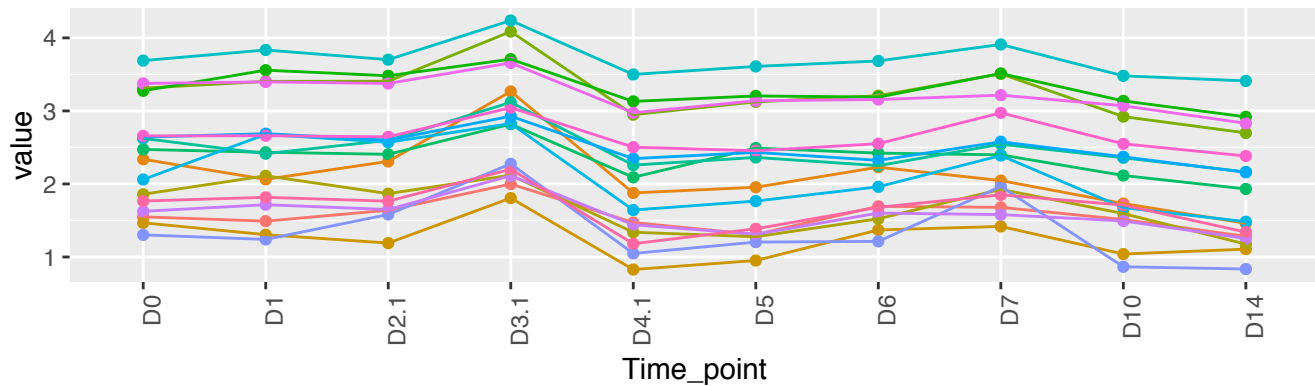
16 genes – WT-cluster-152-original



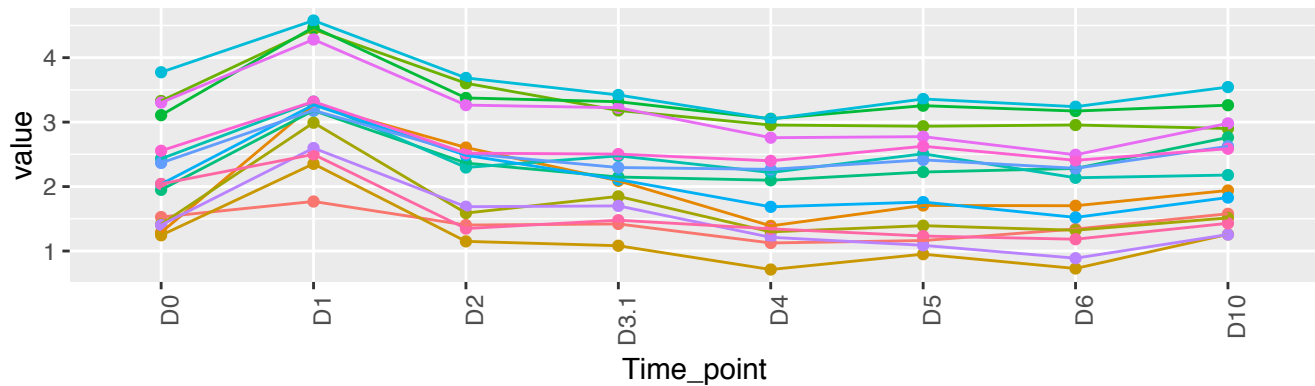
15 genes – KO-cluster-152-original



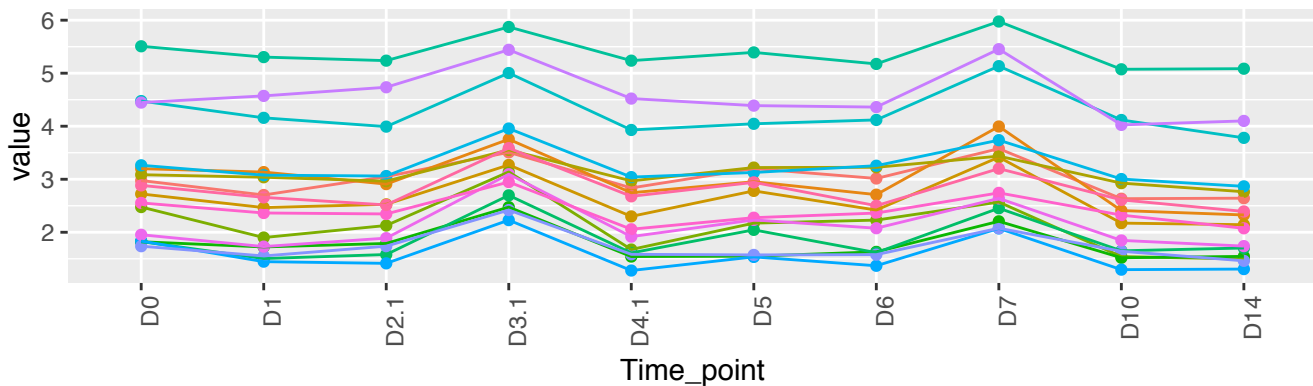
16 genes – WT-cluster-151-original



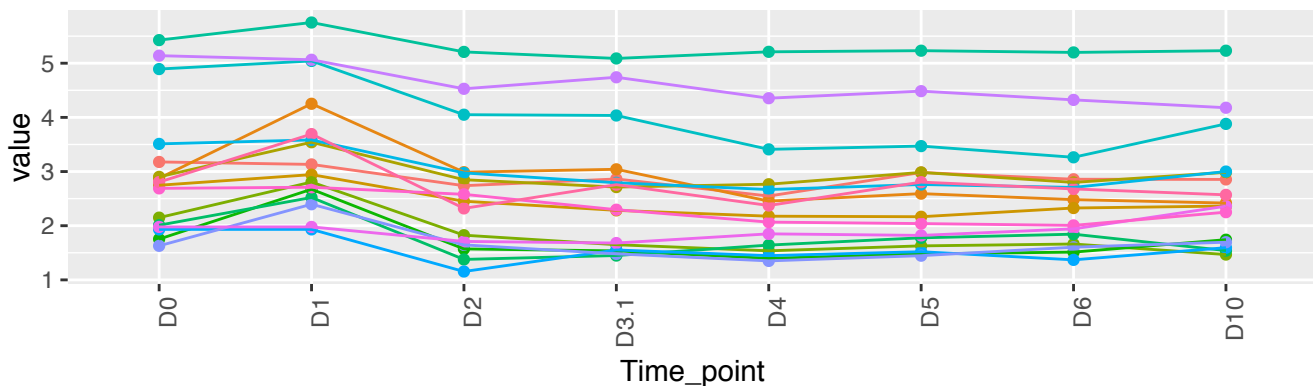
15 genes – KO-cluster-151-original



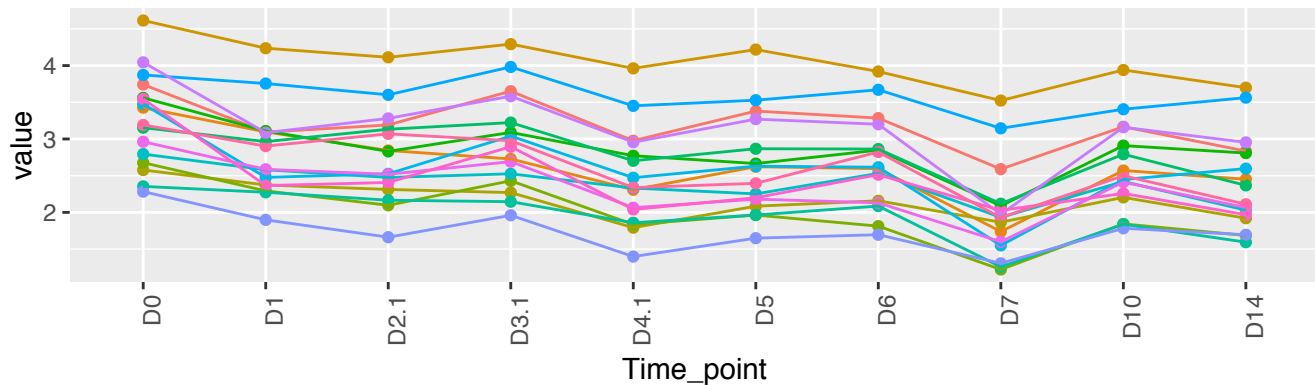
16 genes – WT-cluster-150-original



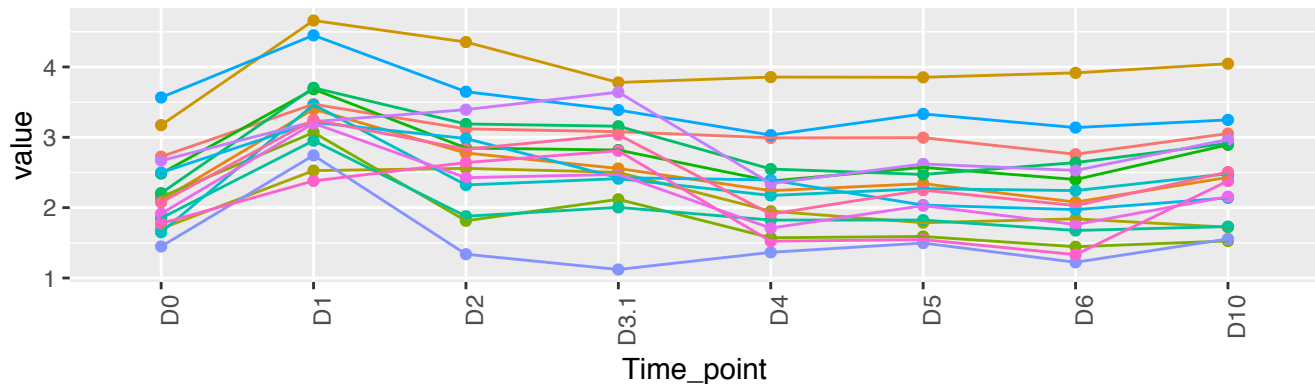
16 genes – KO-cluster-150-original



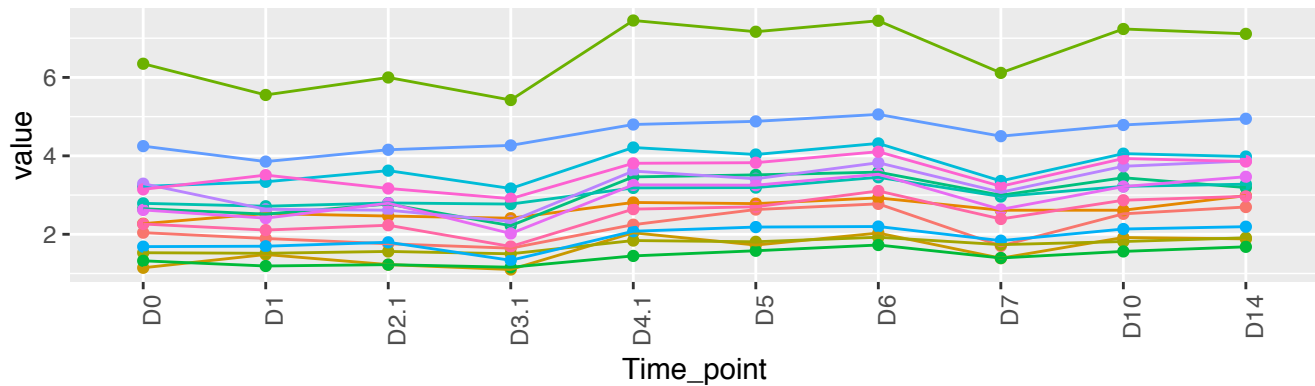
16 genes – WT-cluster-149-original



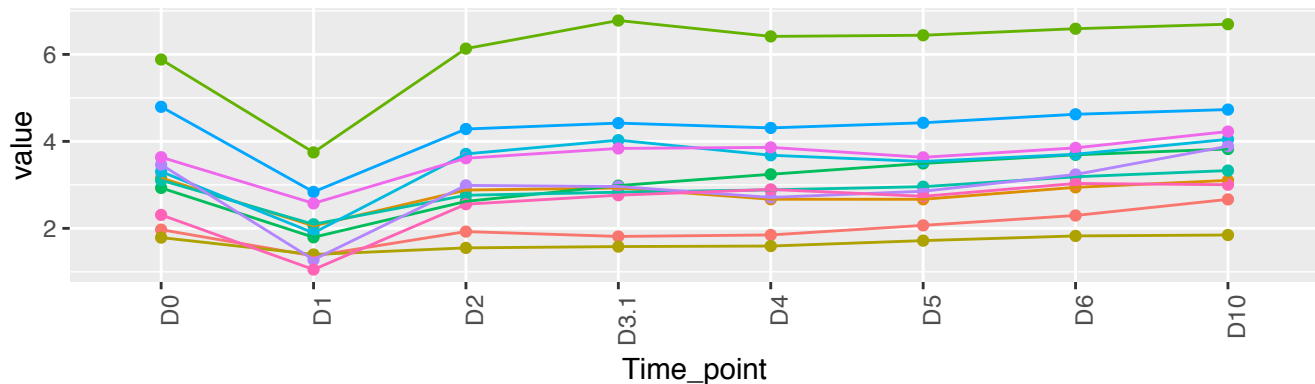
16 genes – KO-cluster-149-original



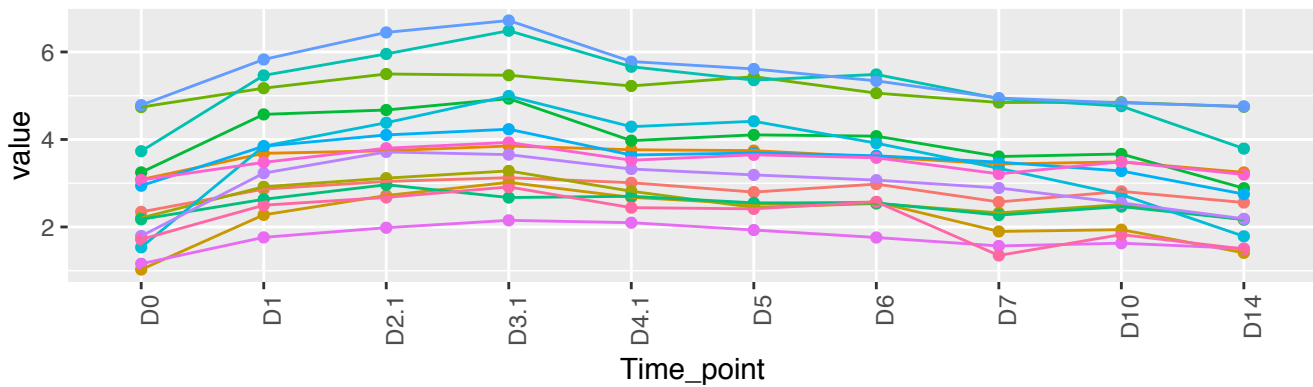
15 genes – WT-cluster-148-original



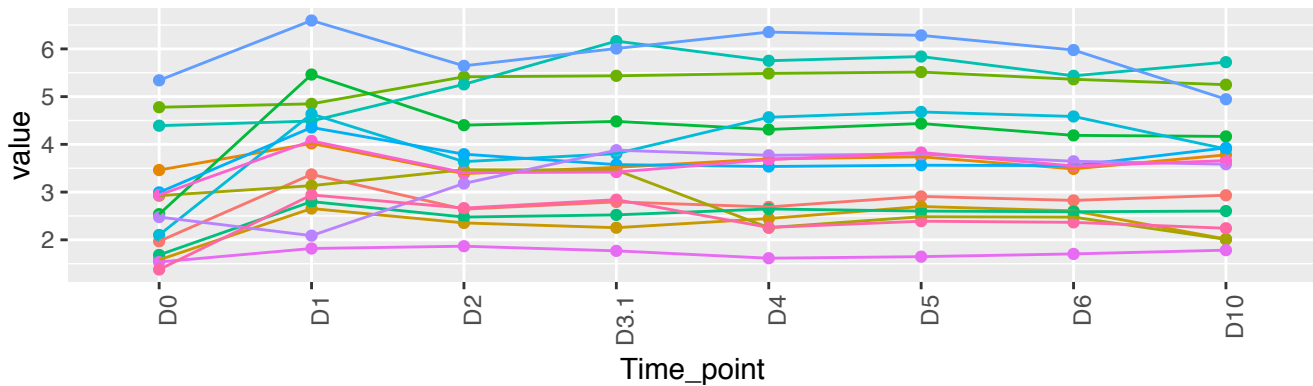
11 genes – KO-cluster-148-original



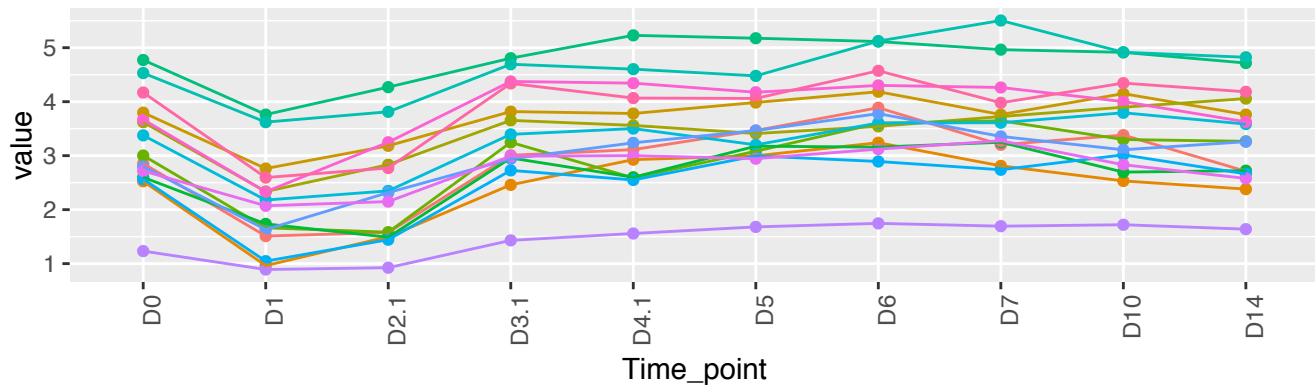
15 genes – WT-cluster-147-original



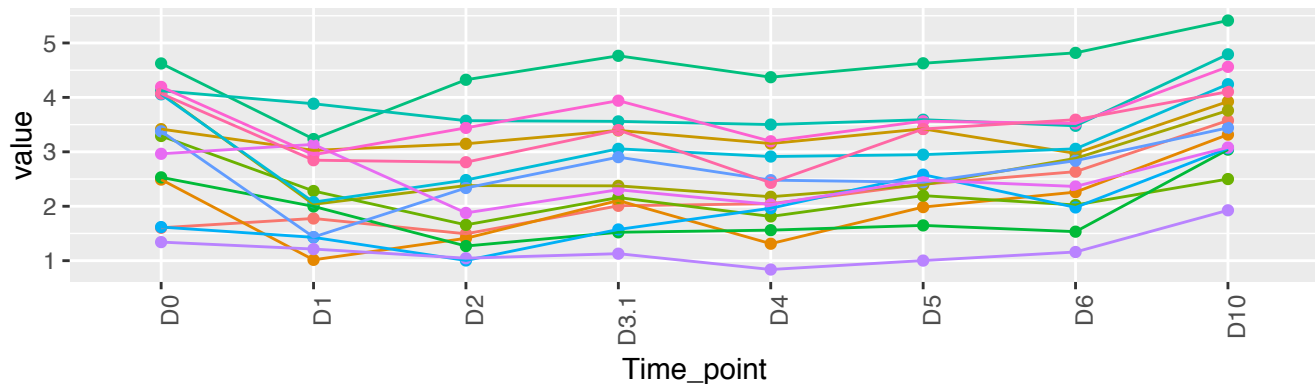
15 genes – KO-cluster-147-original



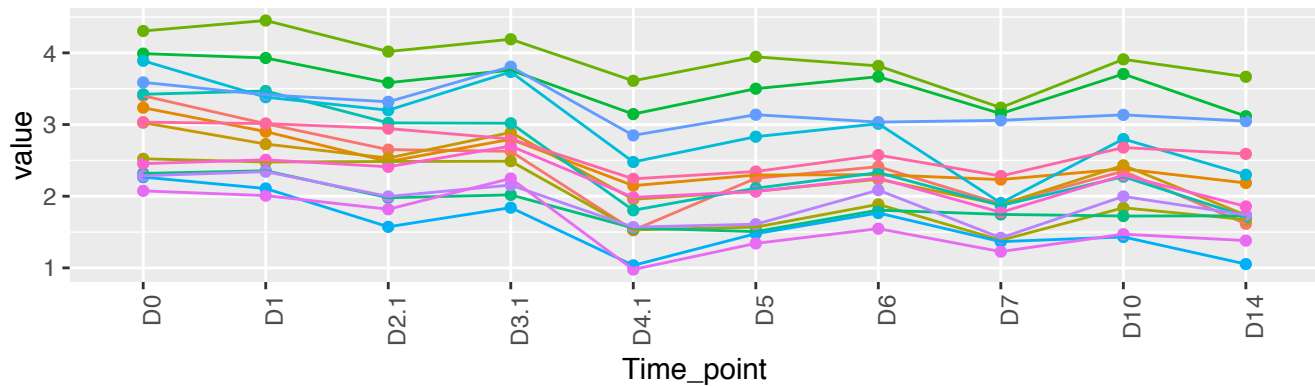
15 genes – WT-cluster-146-original



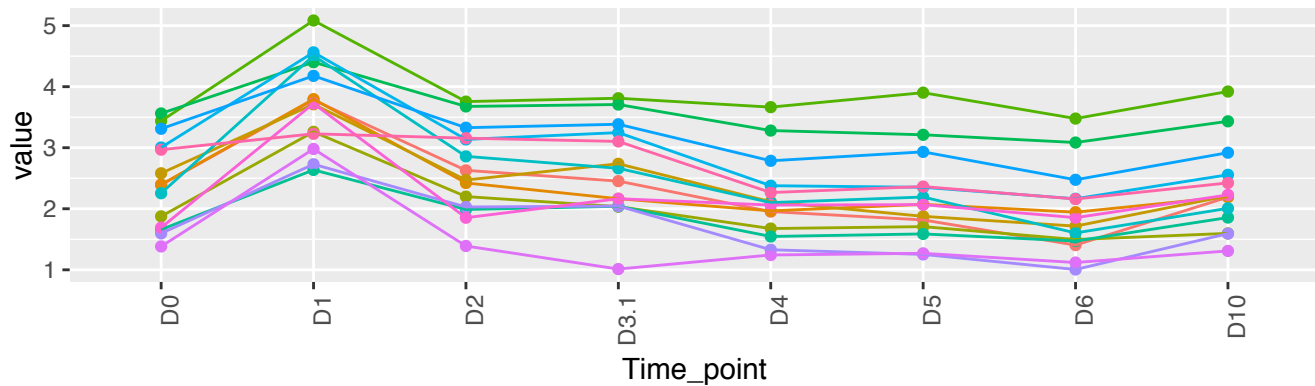
15 genes – KO-cluster-146-original



15 genes – WT-cluster-145-original

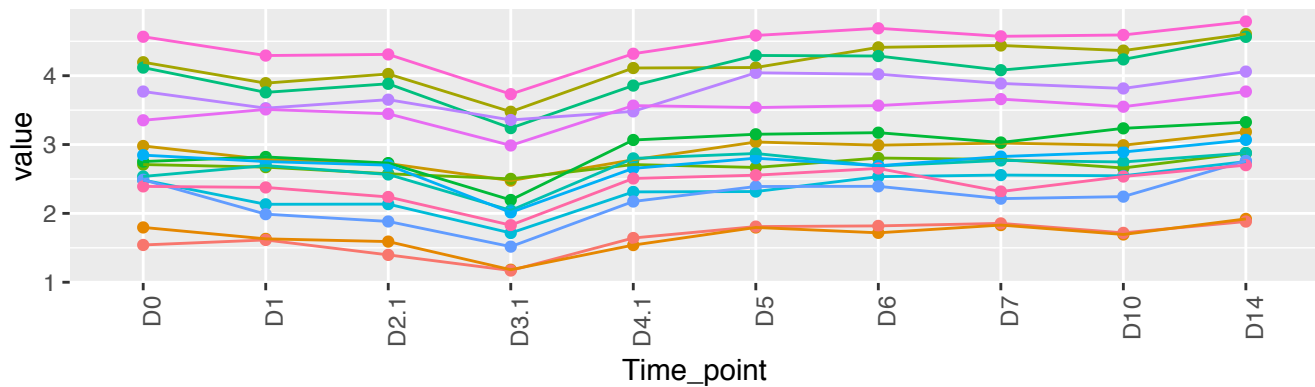


14 genes – KO-cluster-145-original

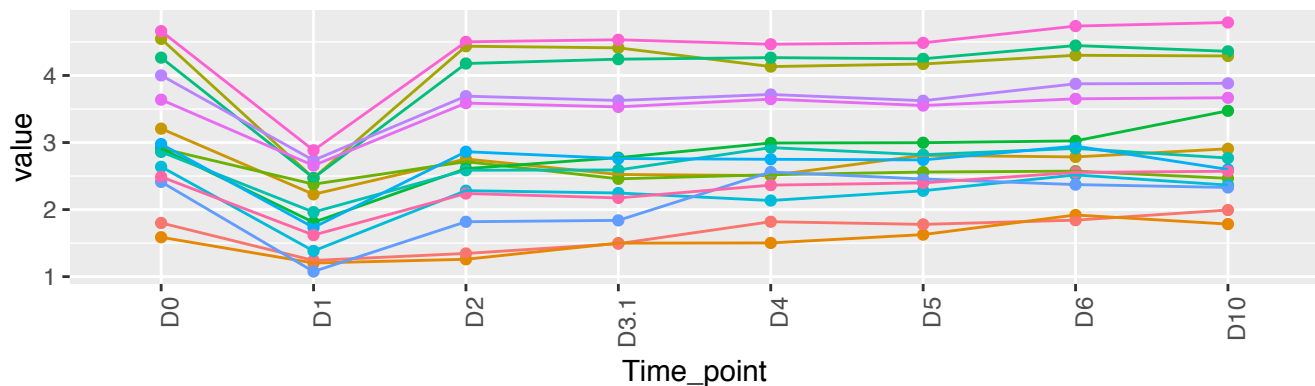




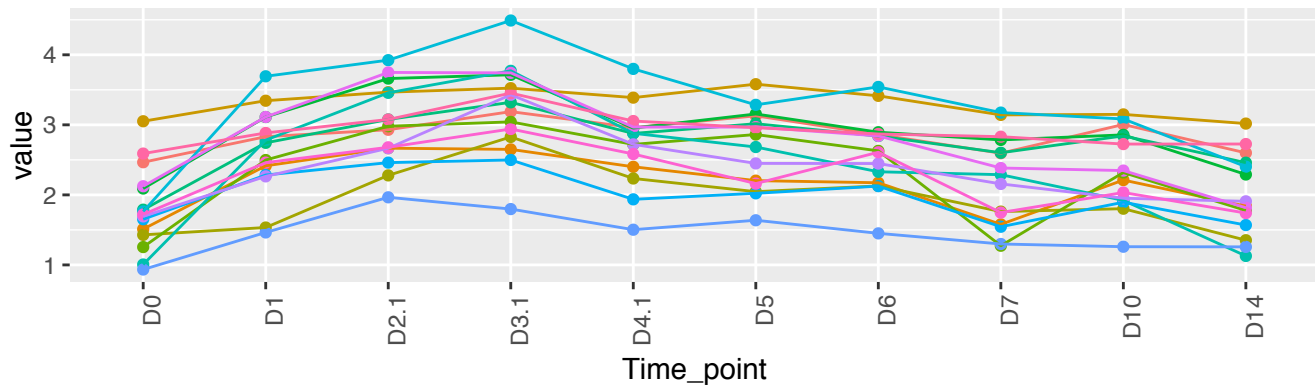
15 genes – WT-cluster-144-original



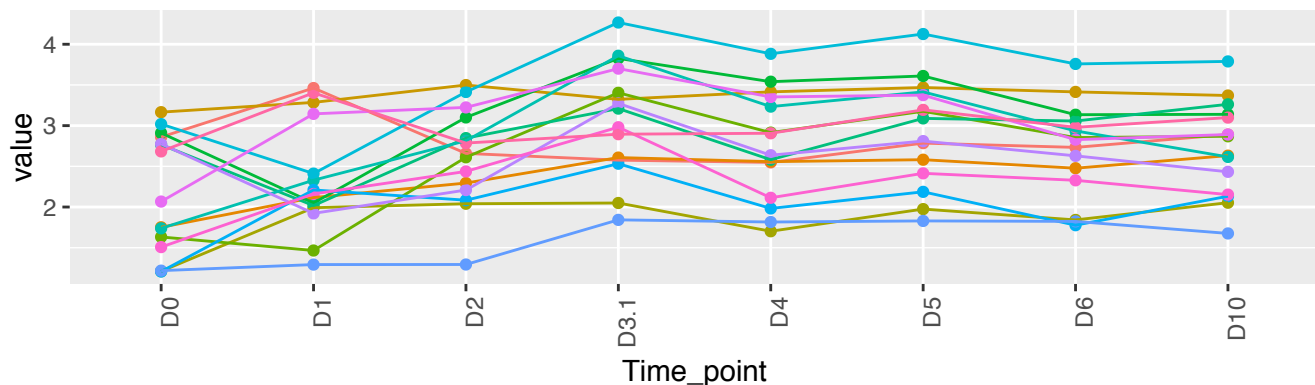
15 genes – KO-cluster-144-original



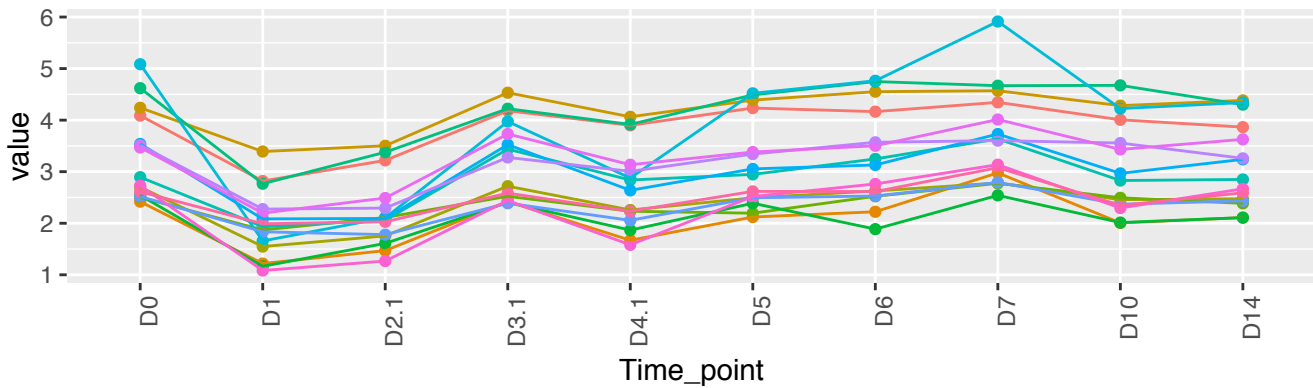
15 genes – WT-cluster-143-original



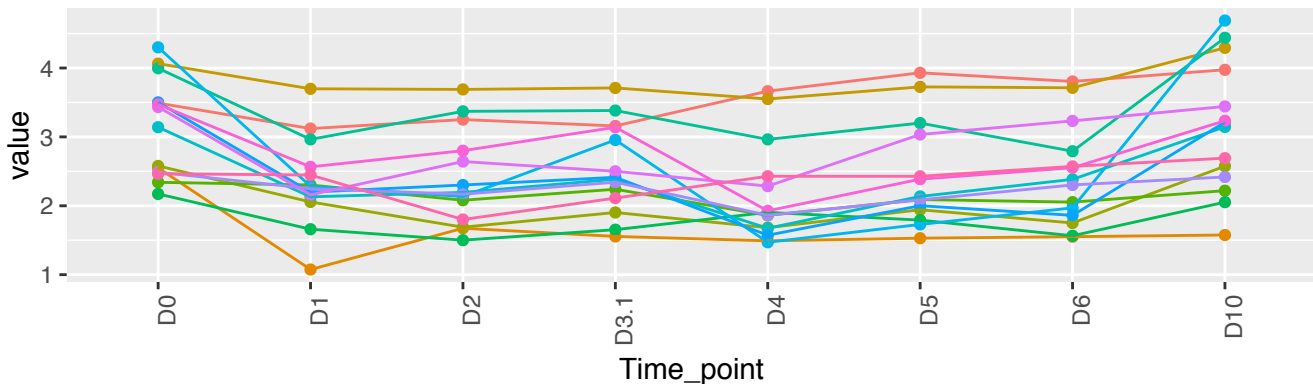
15 genes – KO-cluster-143-original



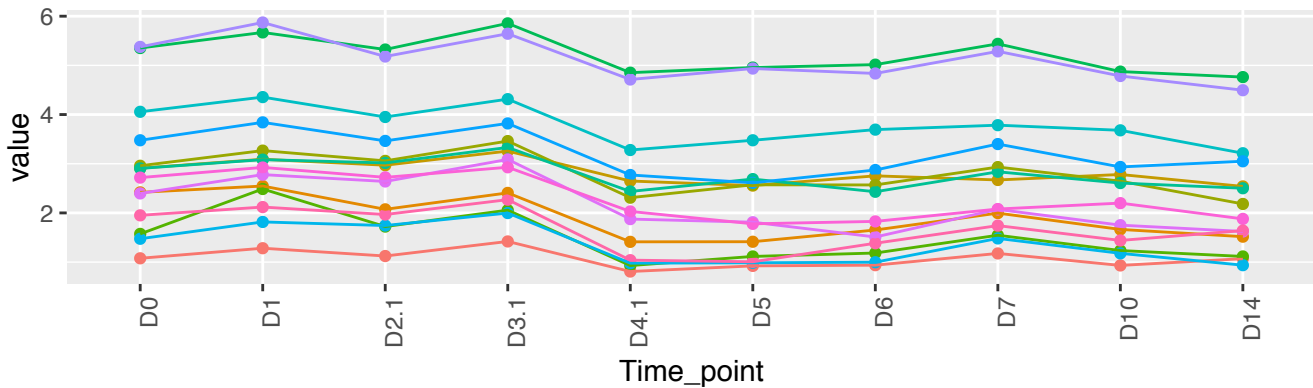
15 genes – WT-cluster-142-original



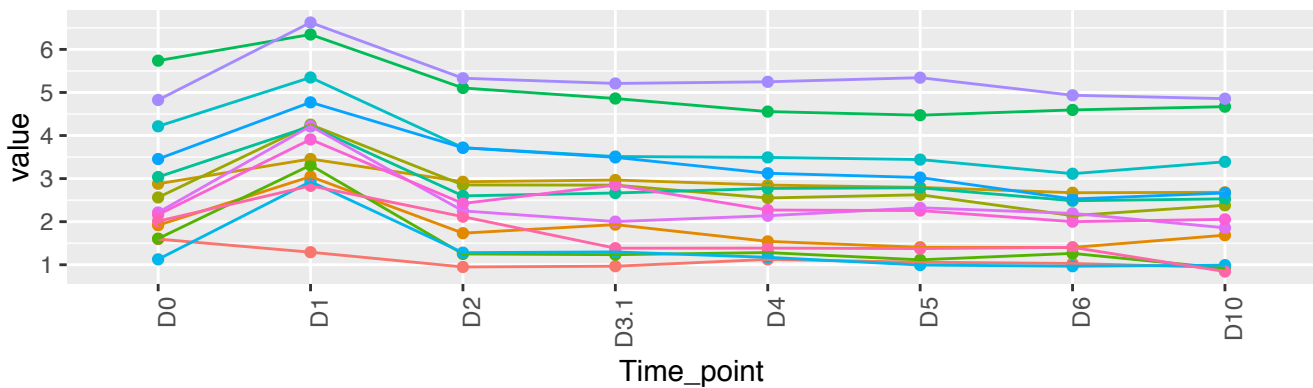
14 genes – KO-cluster-142-original



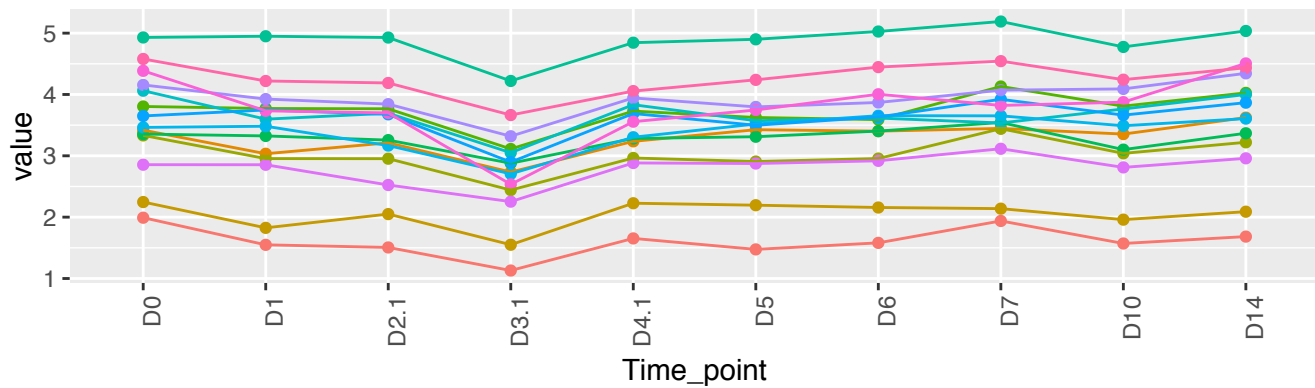
14 genes – WT-cluster-141-original



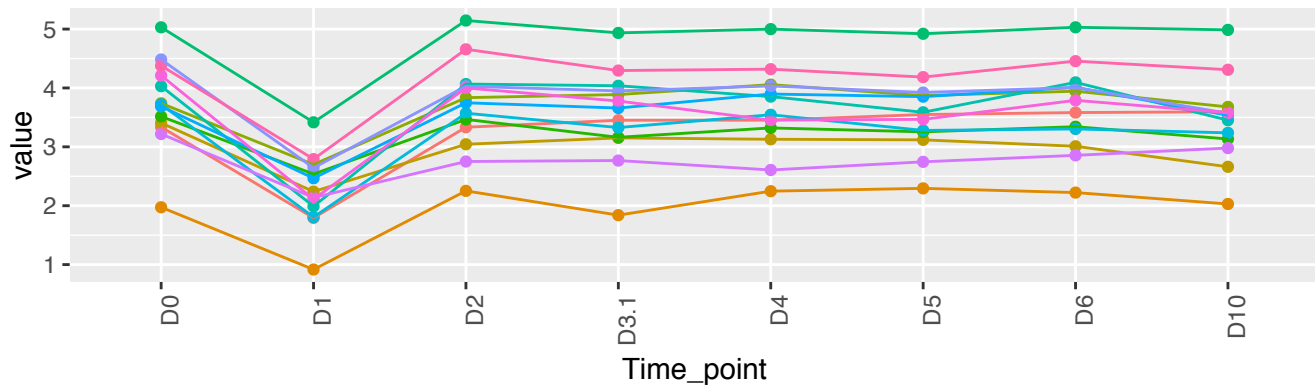
14 genes – KO-cluster-141-original



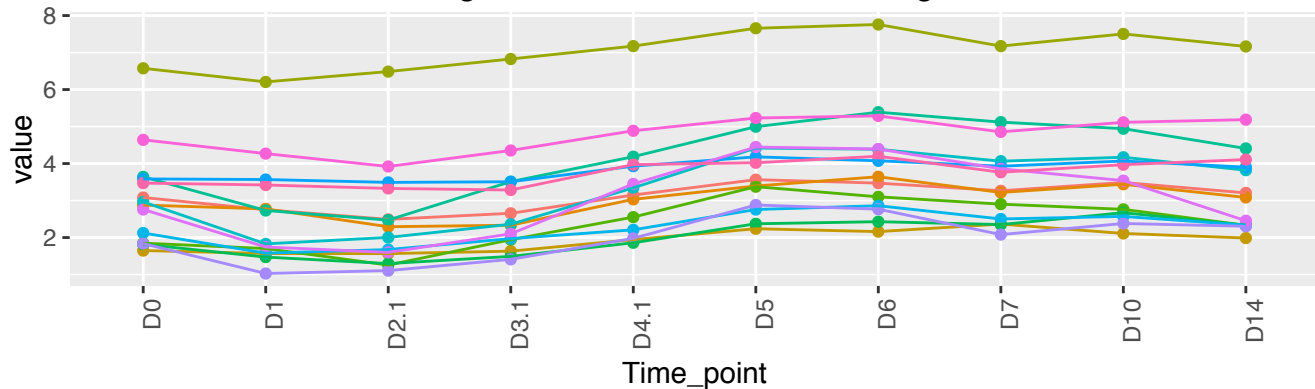
14 genes – WT-cluster-140-original



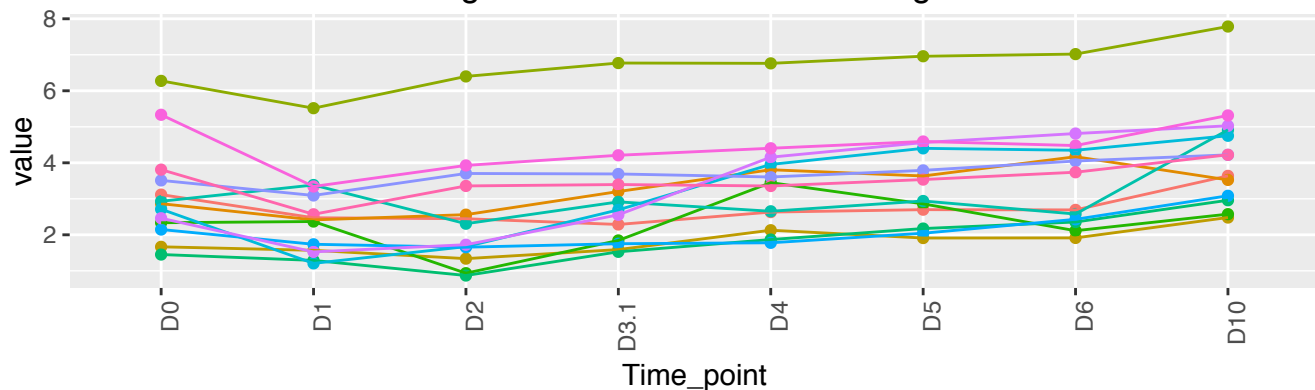
13 genes – KO-cluster-140-original



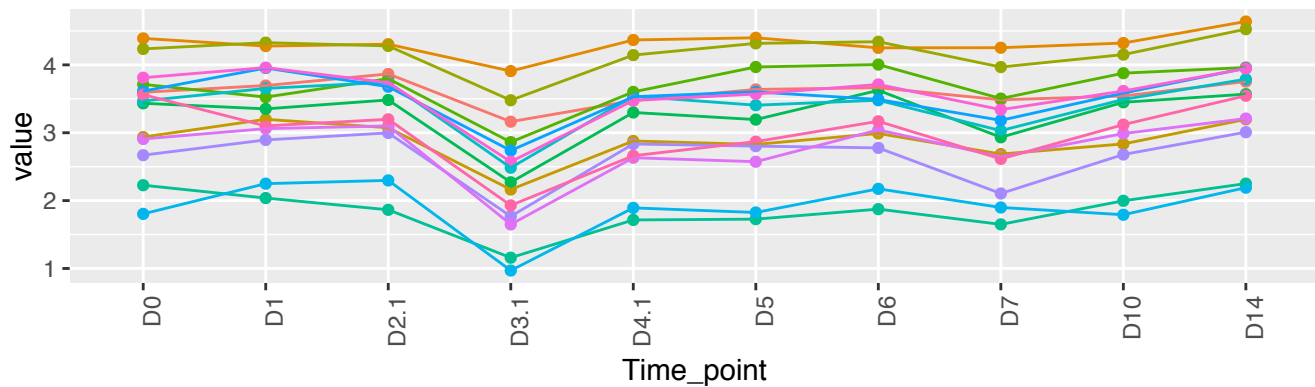
14 genes – WT-cluster-139-original



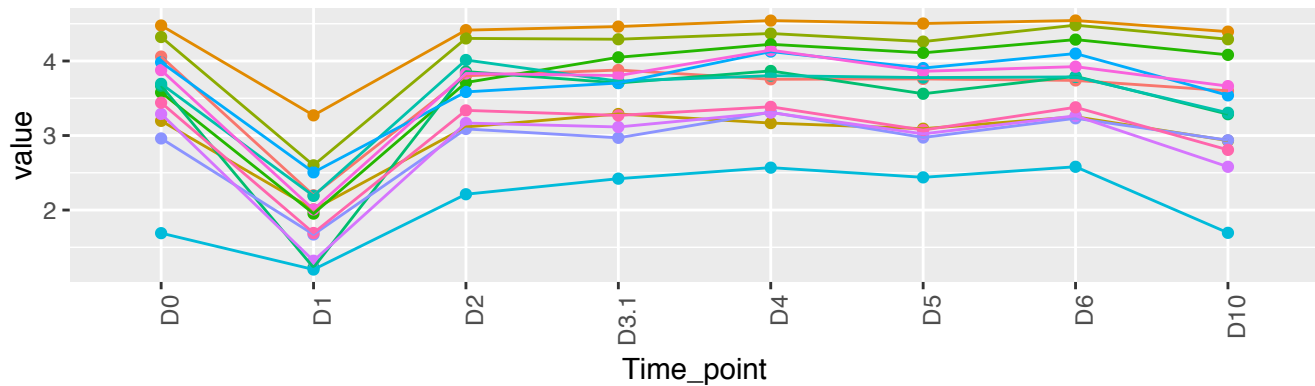
13 genes – KO-cluster-139-original



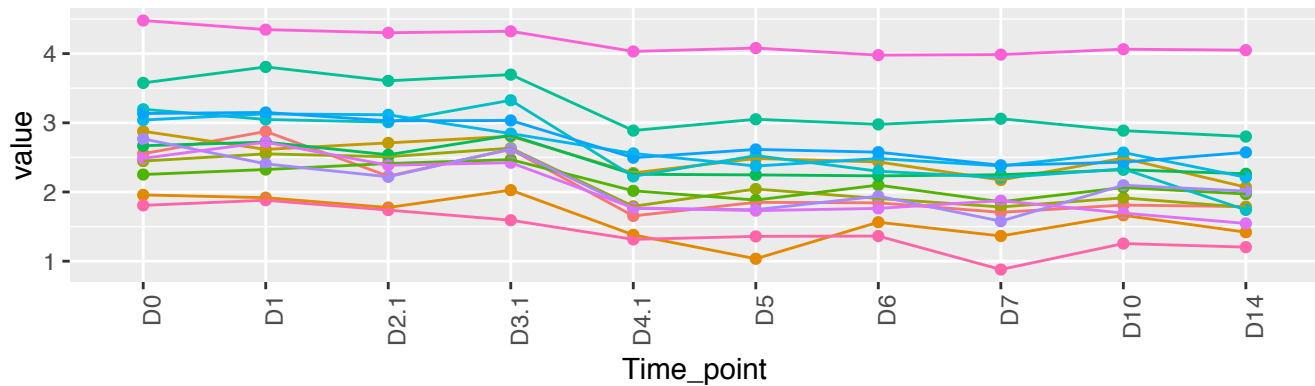
14 genes – WT-cluster-138-original



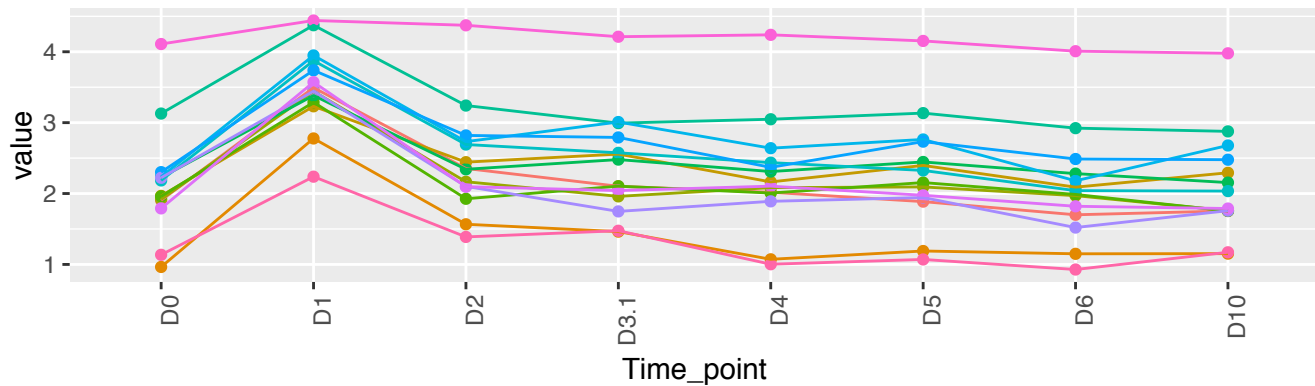
13 genes – KO-cluster-138-original



14 genes – WT-cluster-137-original

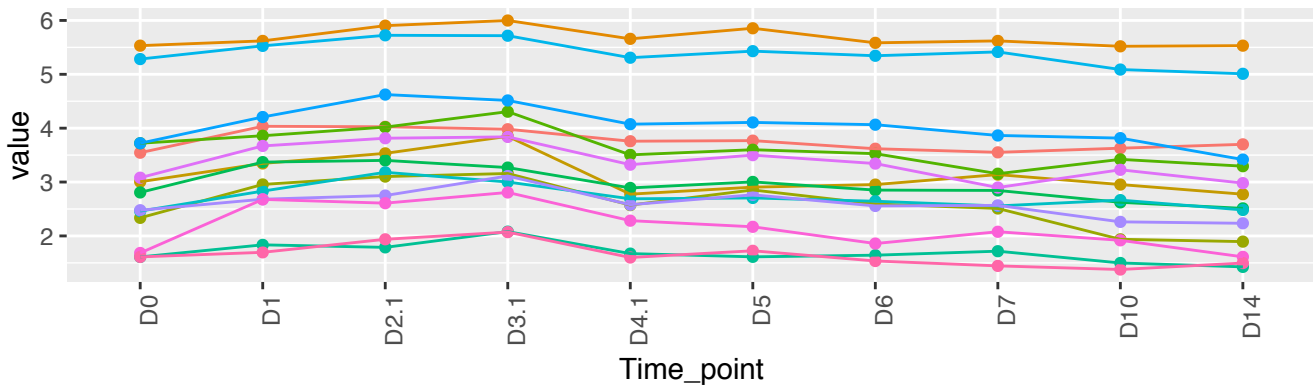


14 genes – KO-cluster-137-original

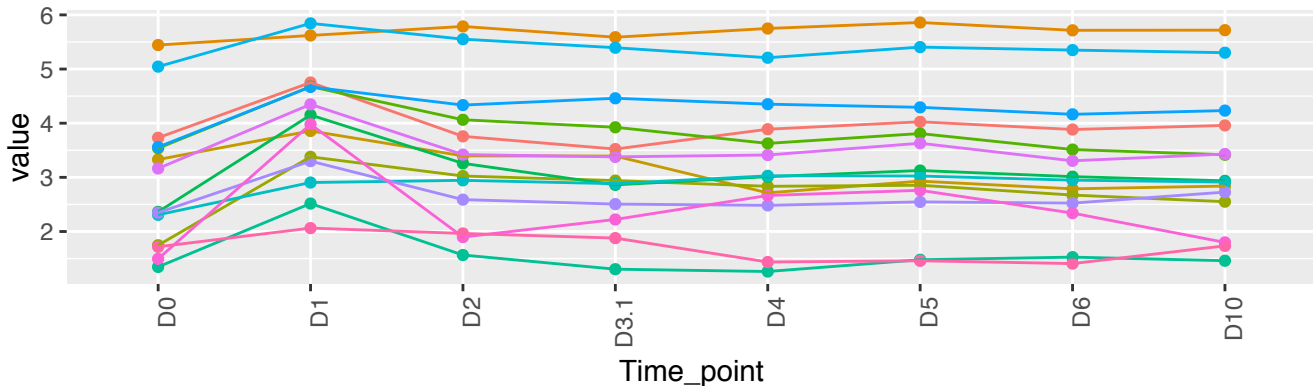




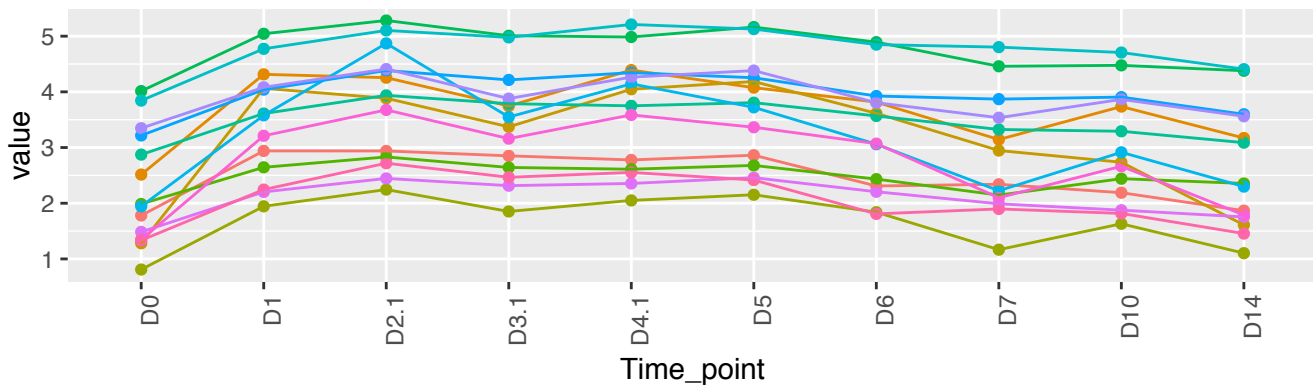
14 genes – WT-cluster-136-original



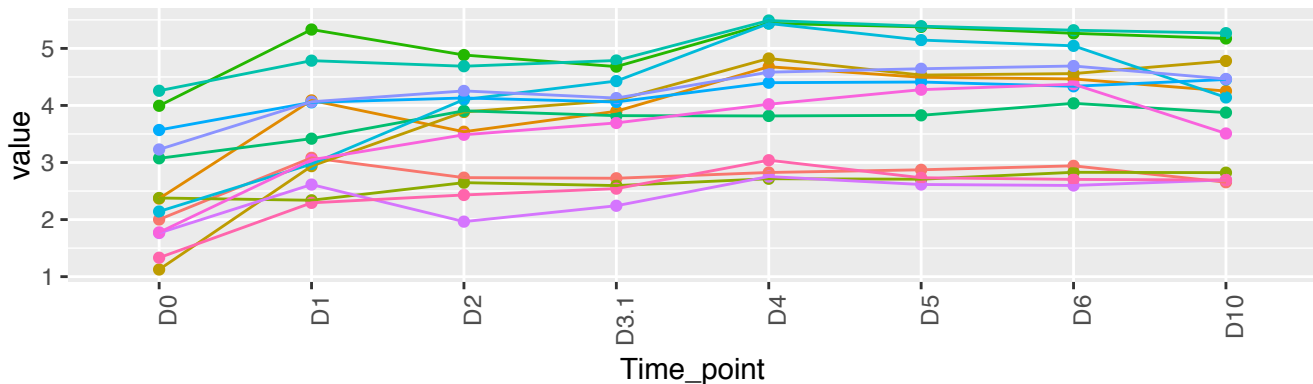
14 genes – KO-cluster-136-original



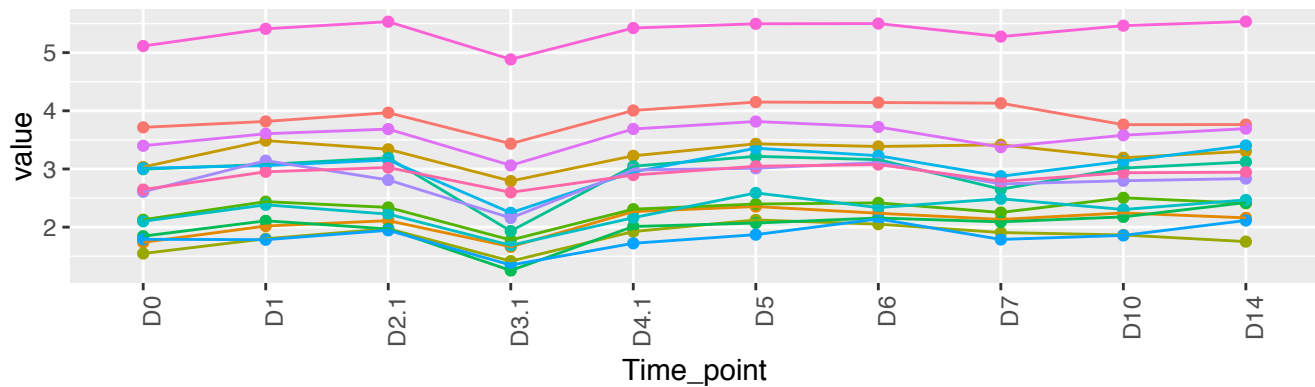
14 genes – WT-cluster-135-original



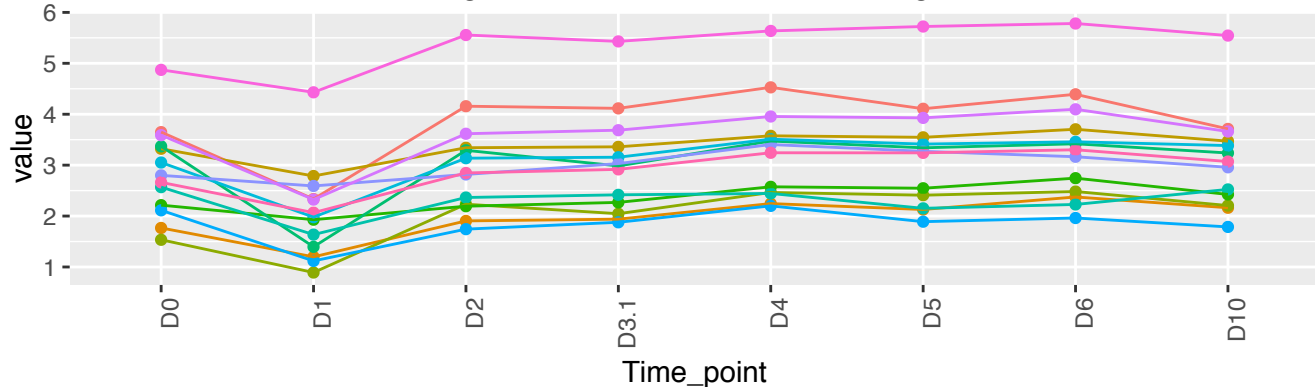
13 genes – KO-cluster-135-original



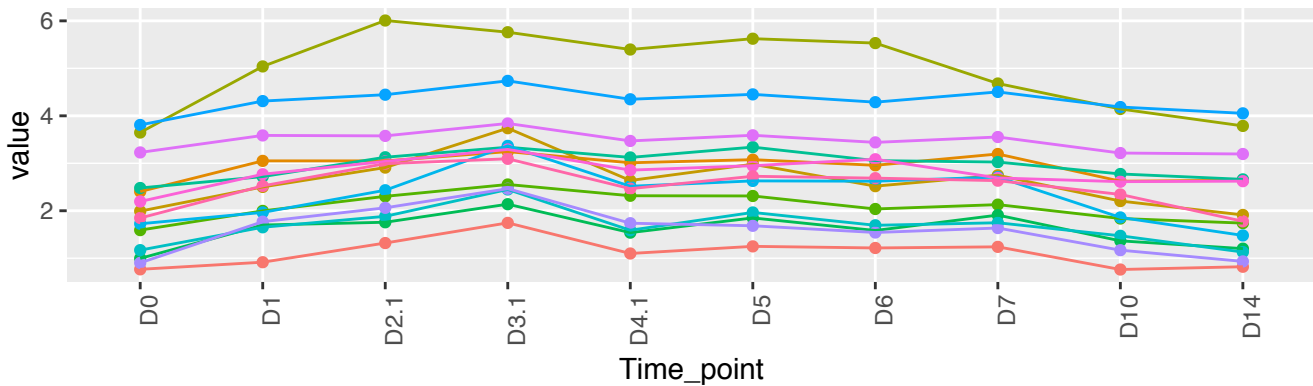
14 genes – WT-cluster-134-original



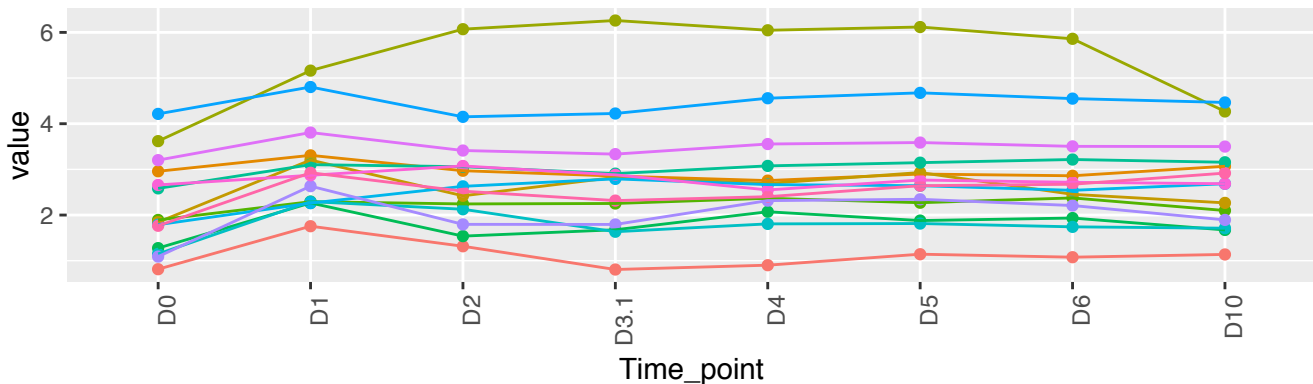
13 genes – KO-cluster-134-original



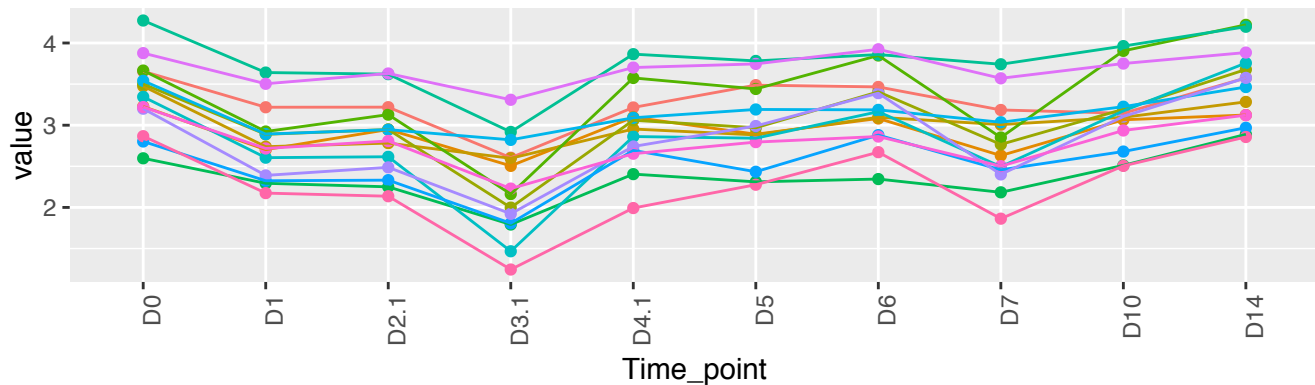
14 genes – WT-cluster-133-original



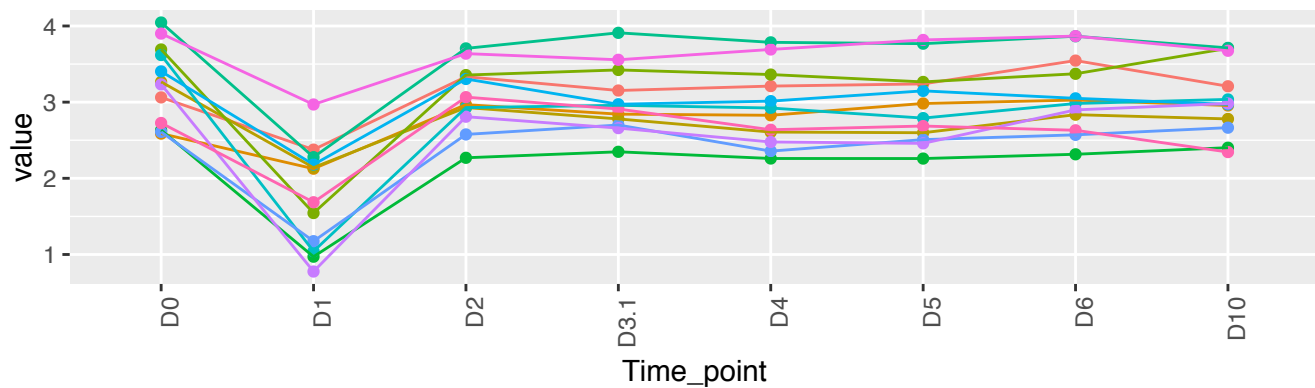
14 genes – KO-cluster-133-original



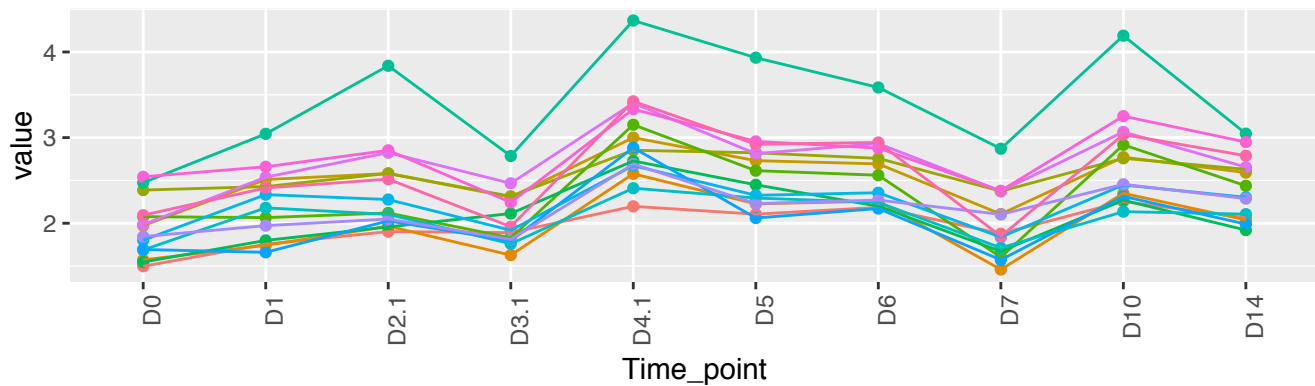
14 genes – WT-cluster-132-original



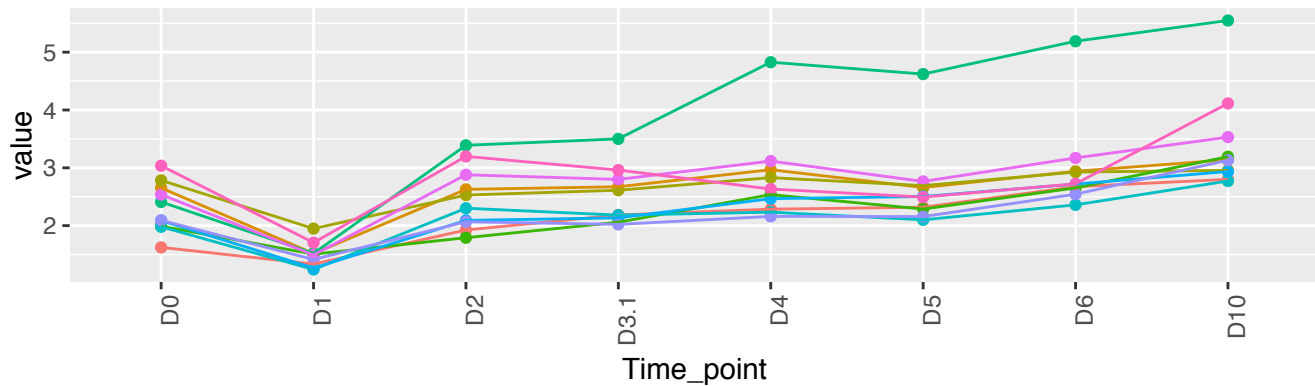
12 genes – KO-cluster-132-original



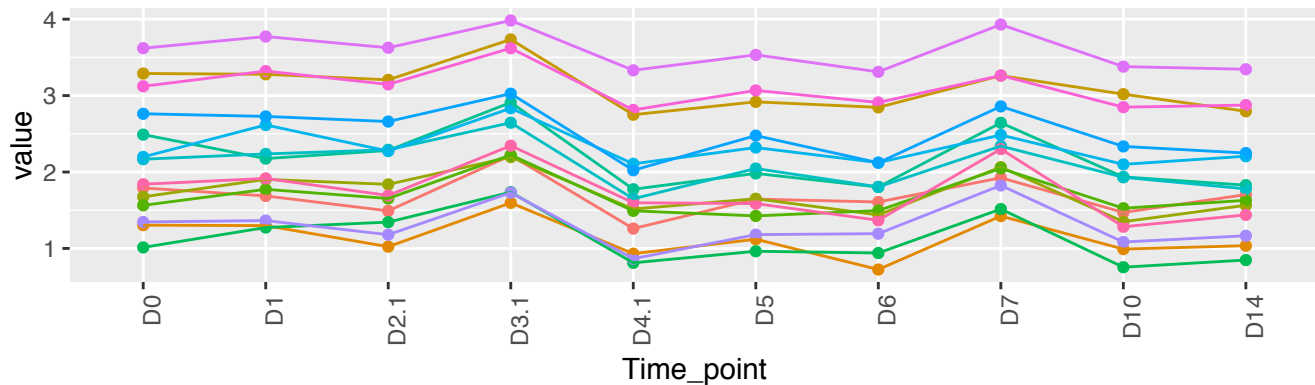
14 genes – WT-cluster-131-original



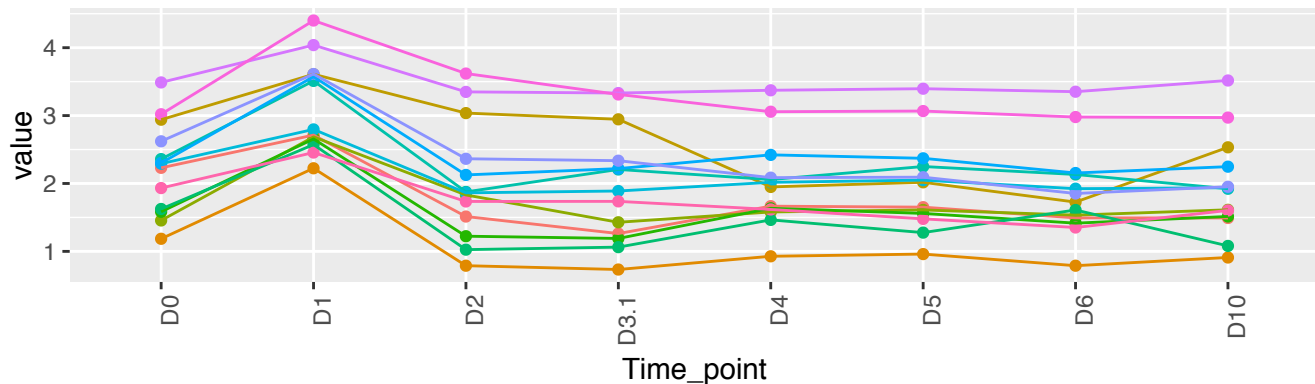
10 genes – KO-cluster-131-original



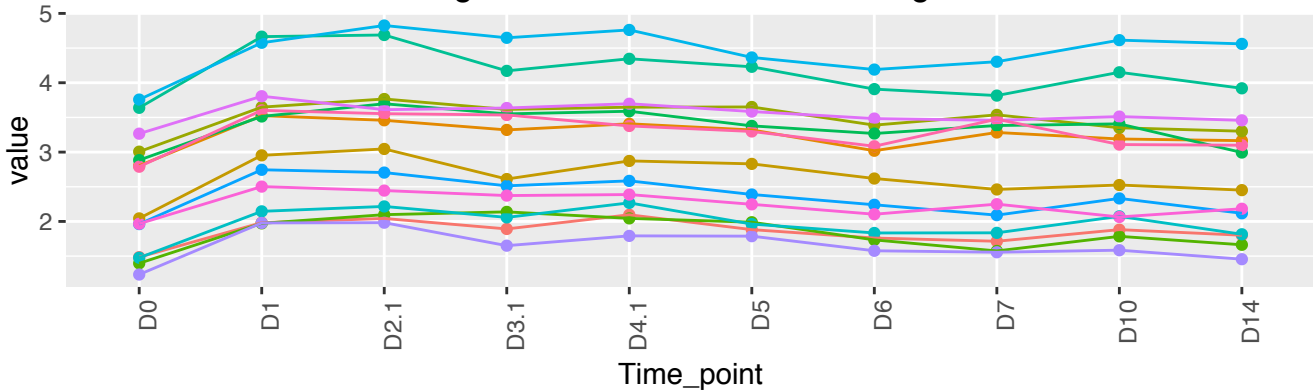
14 genes – WT-cluster-130-original



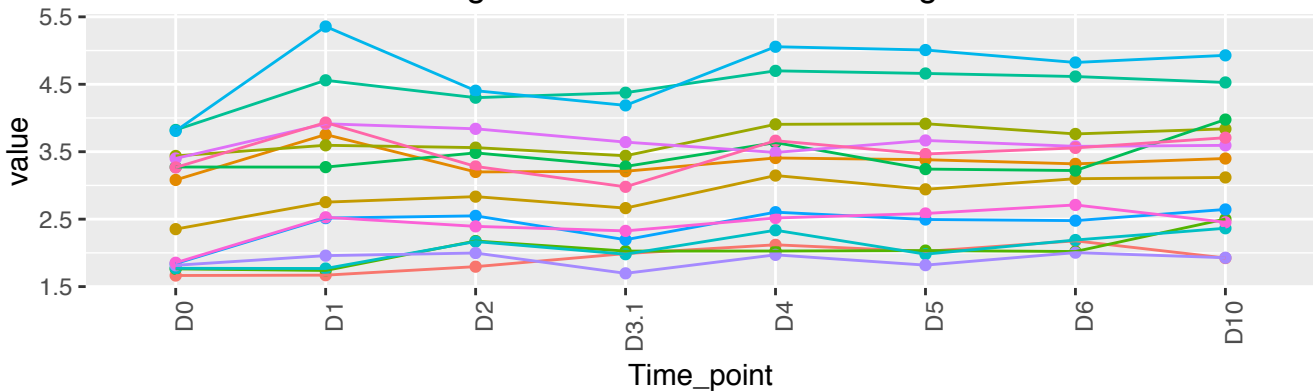
13 genes – KO-cluster-130-original



14 genes – WT-cluster-129-original

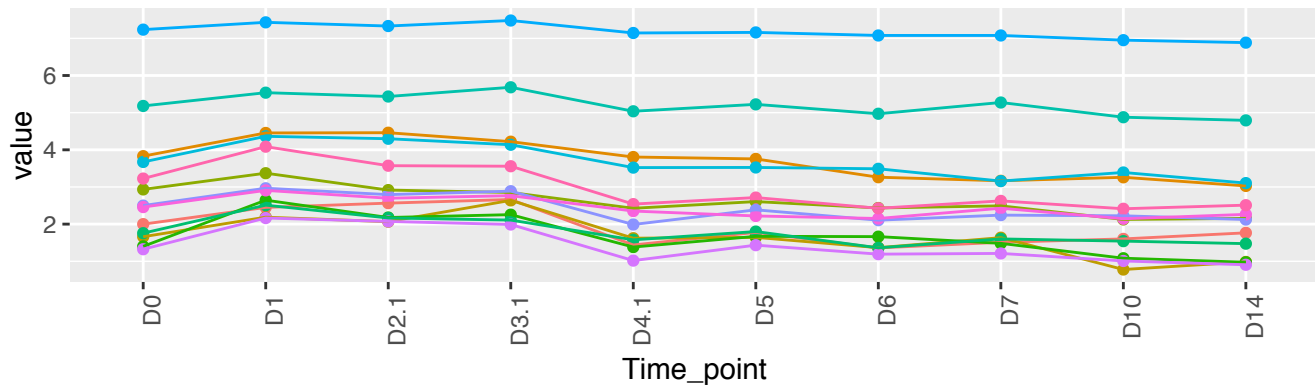


14 genes – KO-cluster-129-original

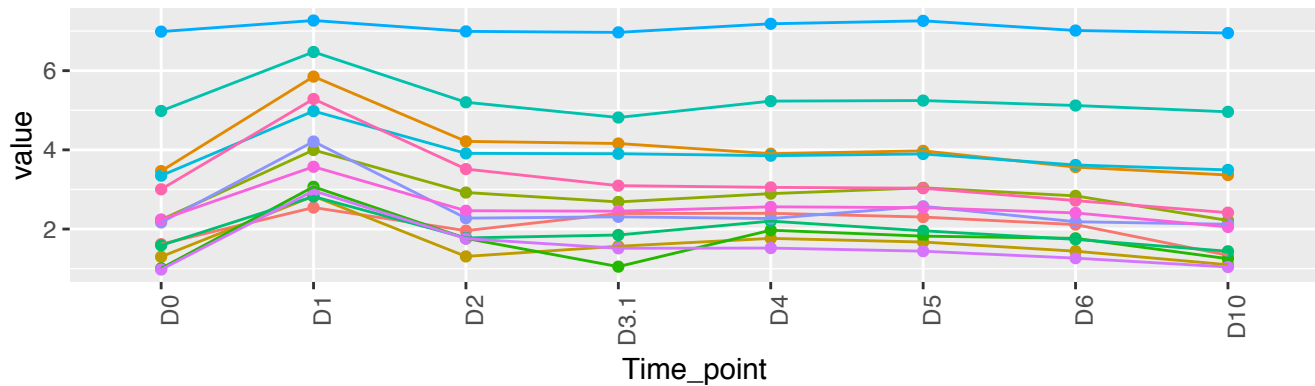




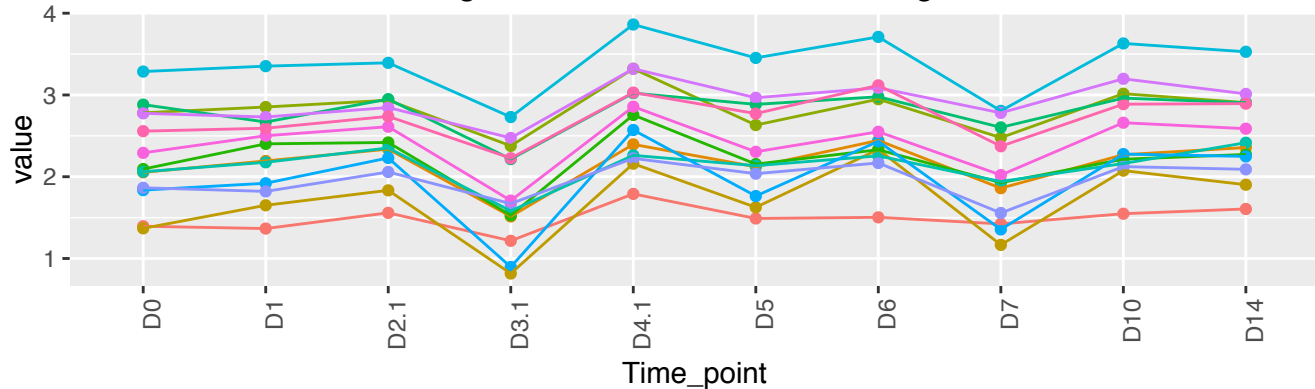
13 genes – WT-cluster-128-original



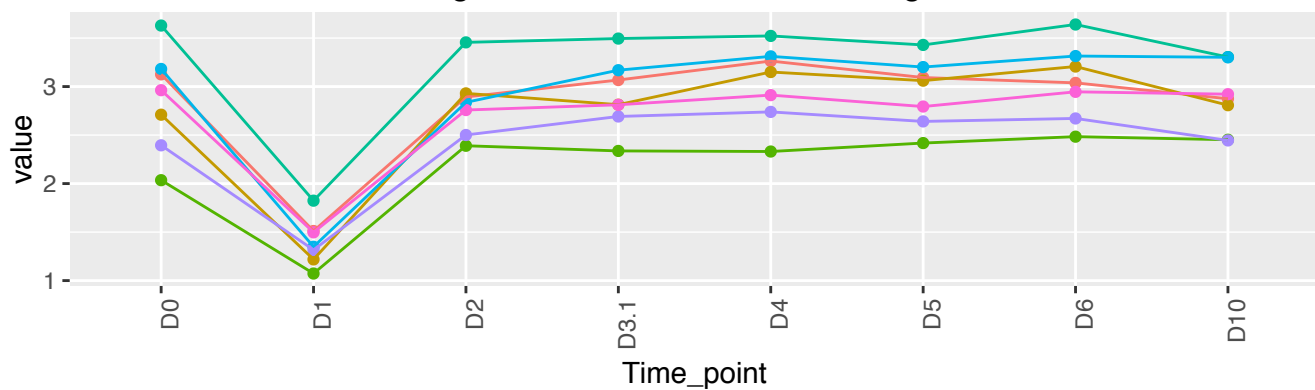
13 genes – KO-cluster-128-original



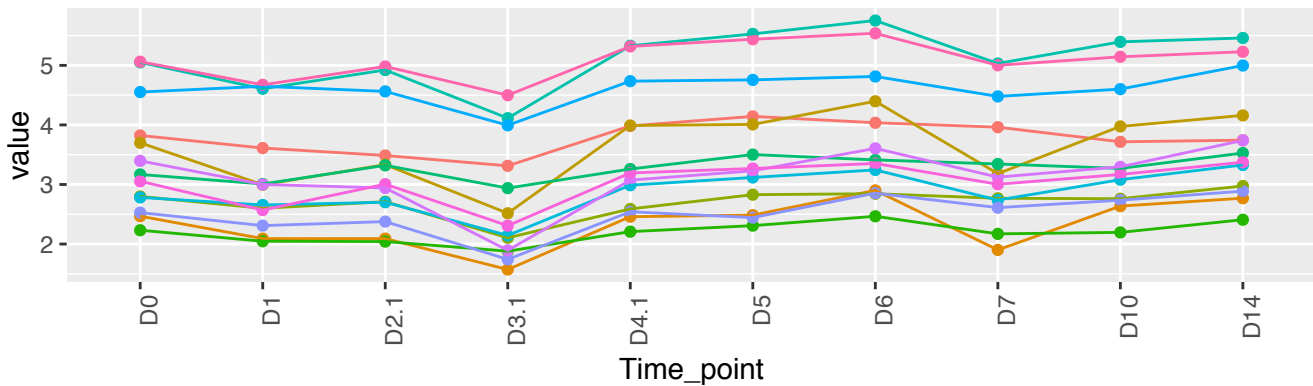
13 genes – WT-cluster-127-original



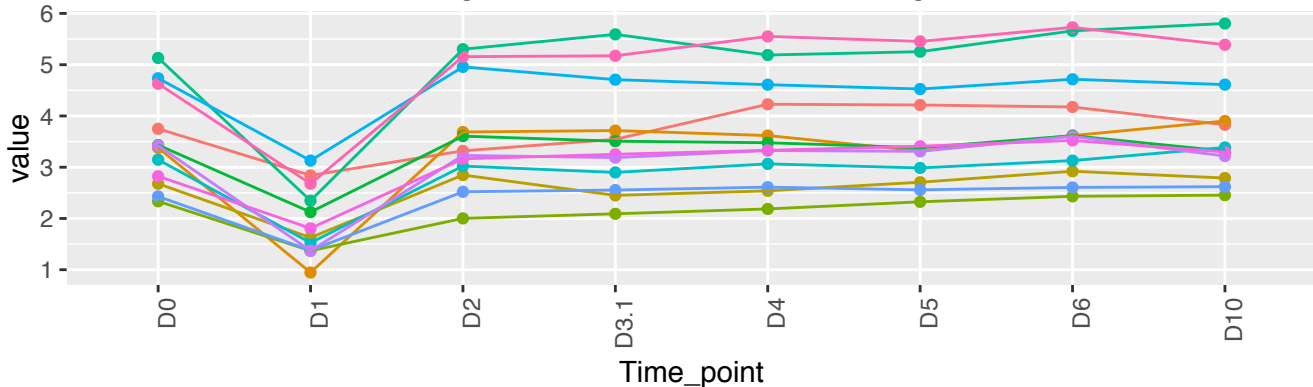
7 genes – KO-cluster-127-original



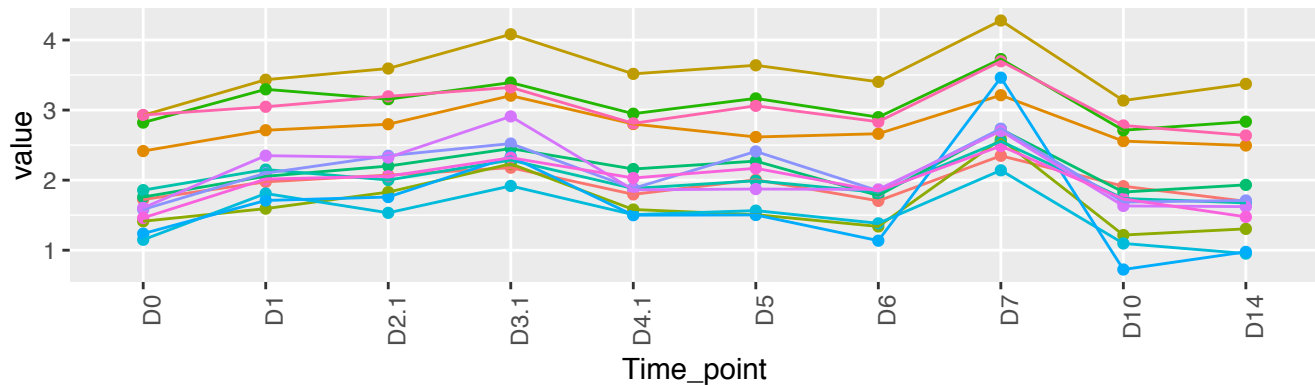
13 genes – WT-cluster-126-original



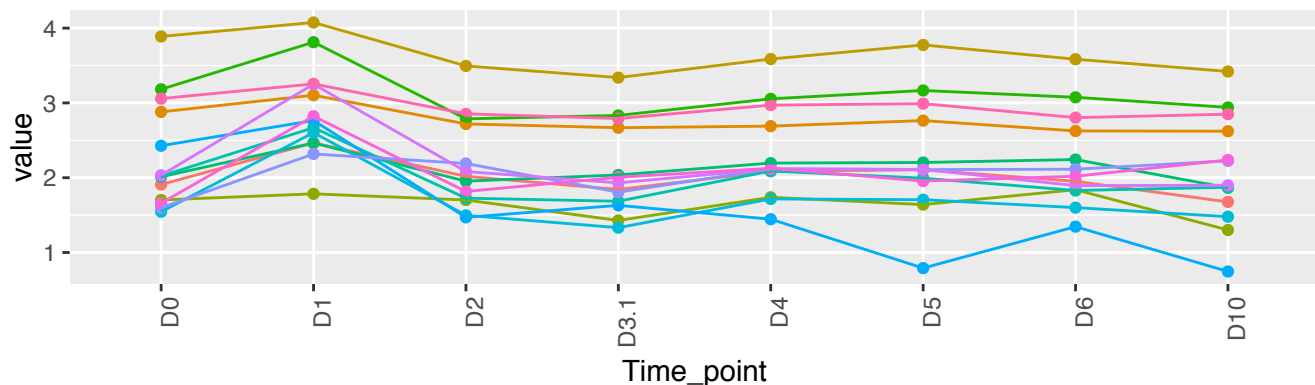
12 genes – KO-cluster-126-original



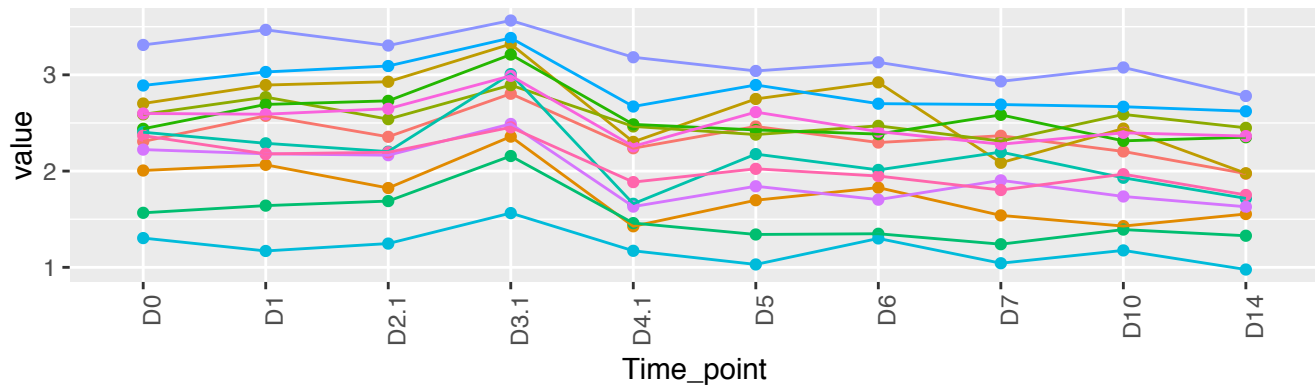
13 genes – WT-cluster-125-original



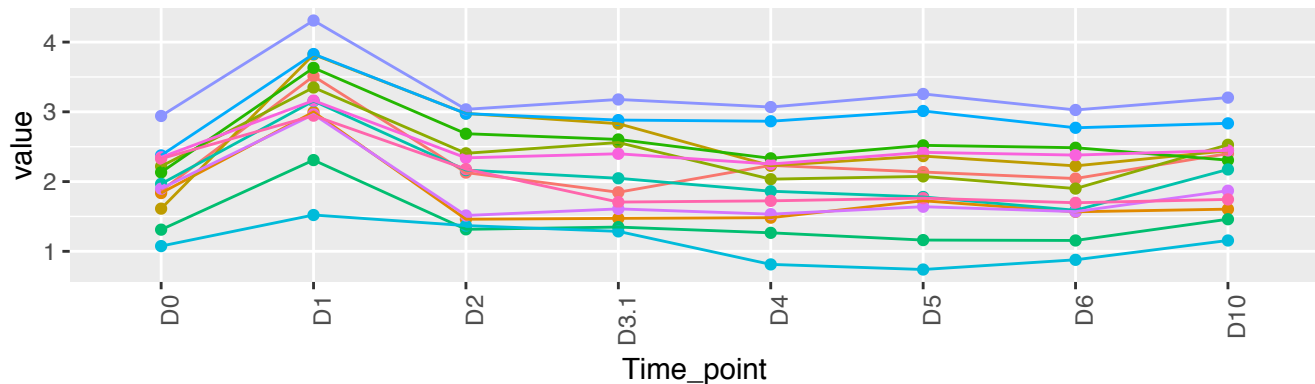
13 genes – KO-cluster-125-original



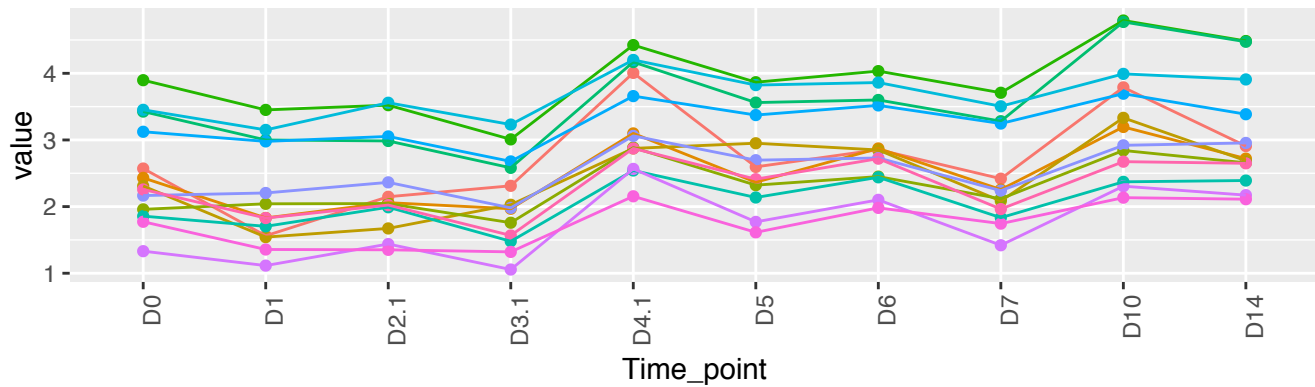
13 genes – WT-cluster-124-original



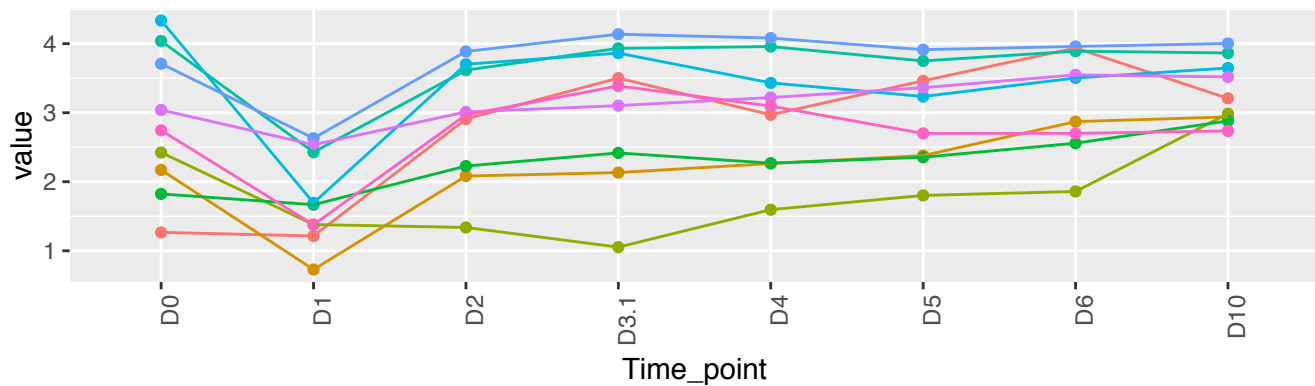
13 genes – KO-cluster-124-original



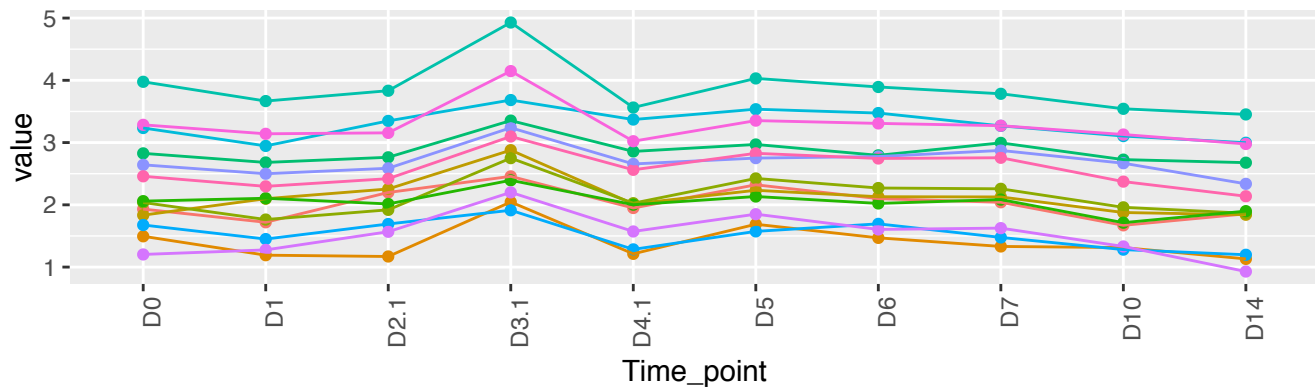
13 genes – WT-cluster-123-original



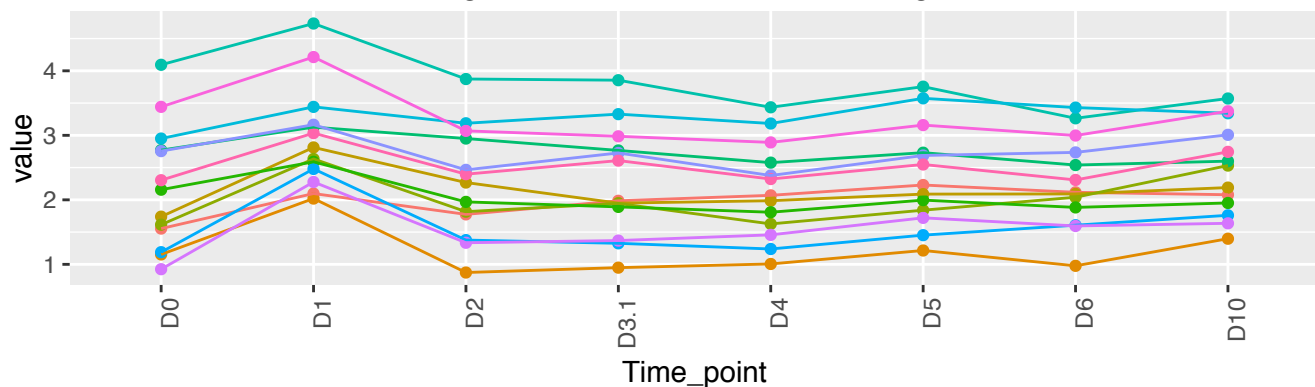
9 genes – KO-cluster-123-original



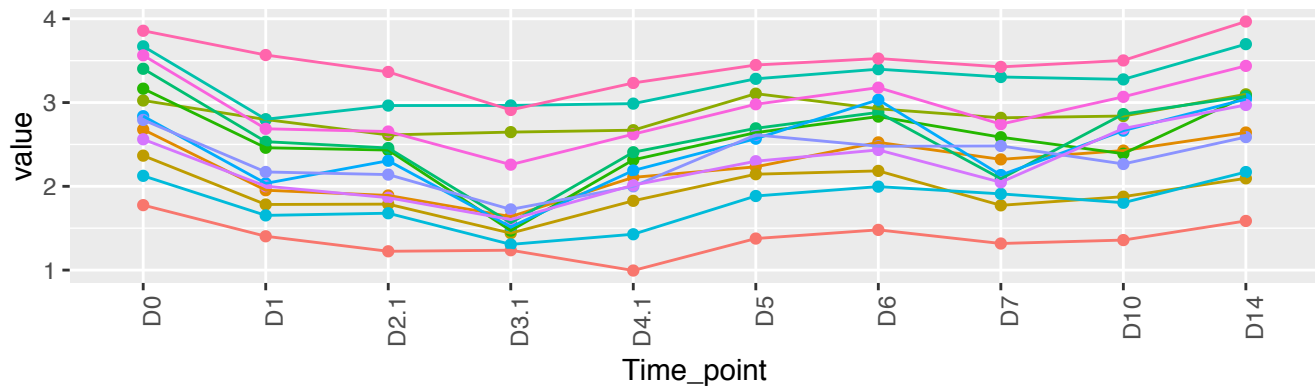
13 genes – WT-cluster-122-original



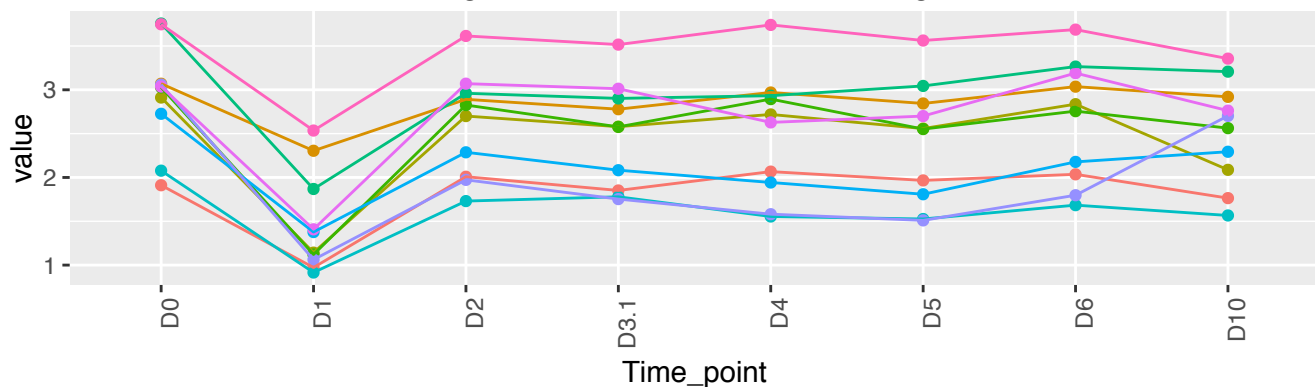
13 genes – KO-cluster-122-original



13 genes – WT-cluster-121-original

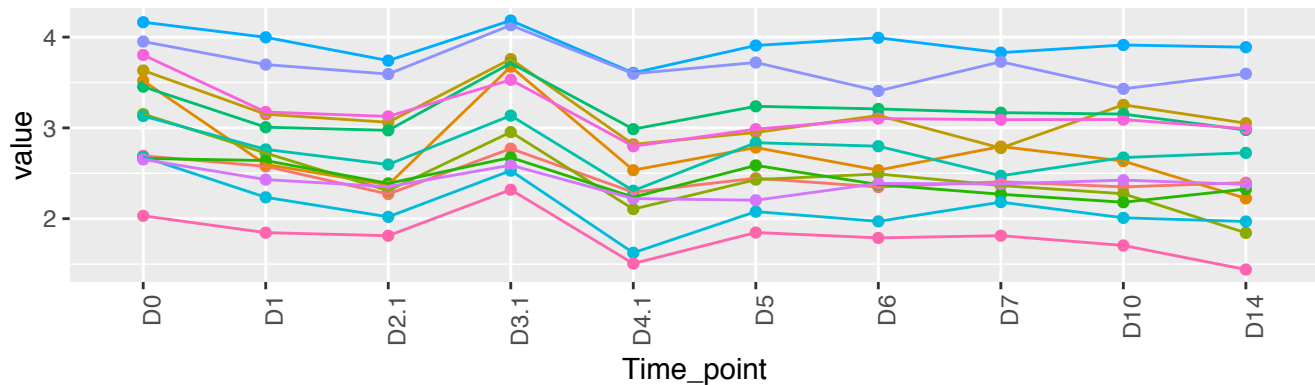


10 genes – KO-cluster-121-original

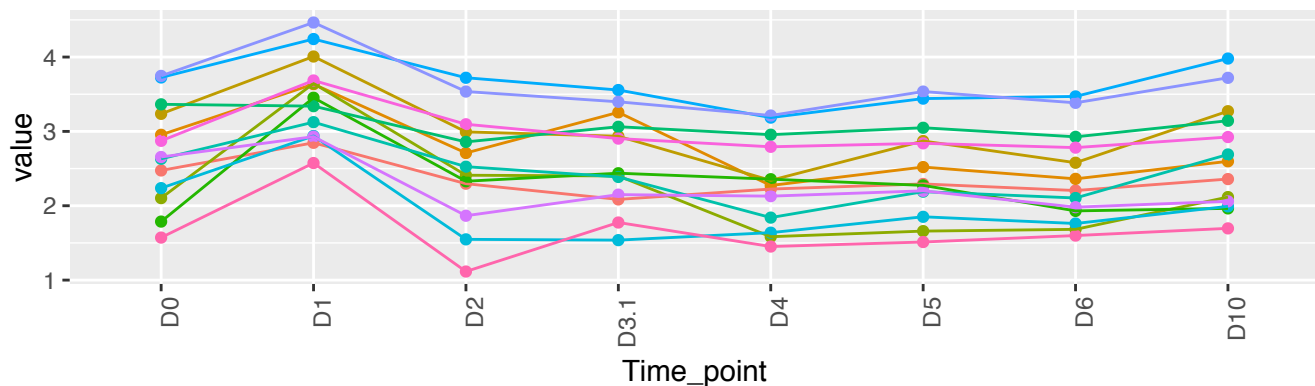




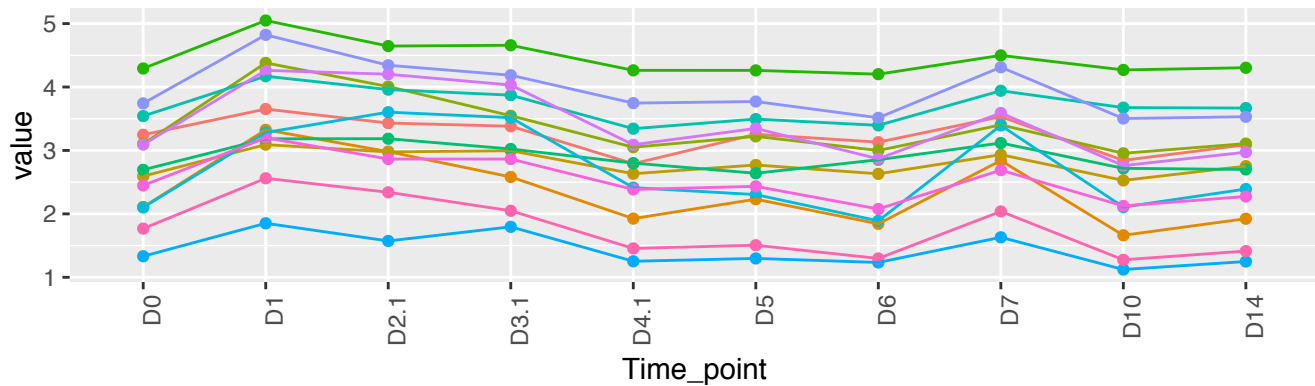
13 genes – WT-cluster-120-original



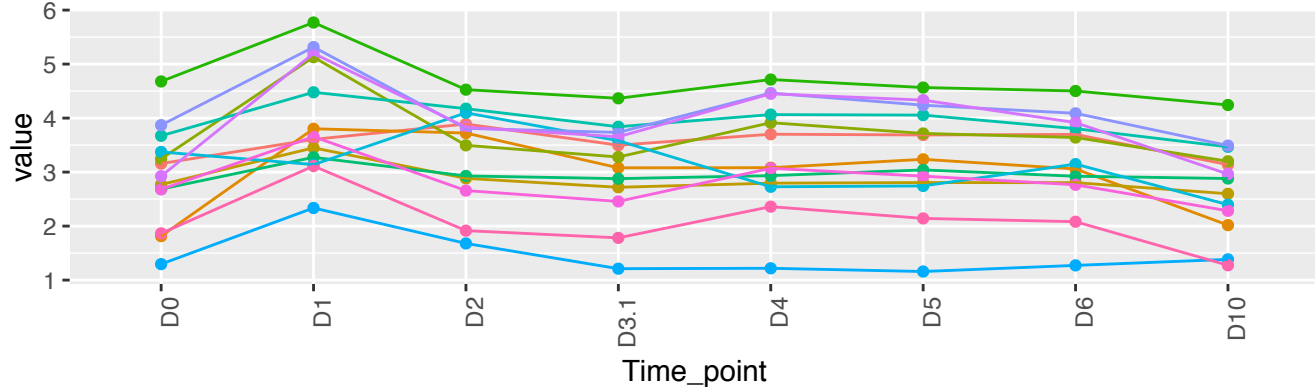
13 genes – KO-cluster-120-original



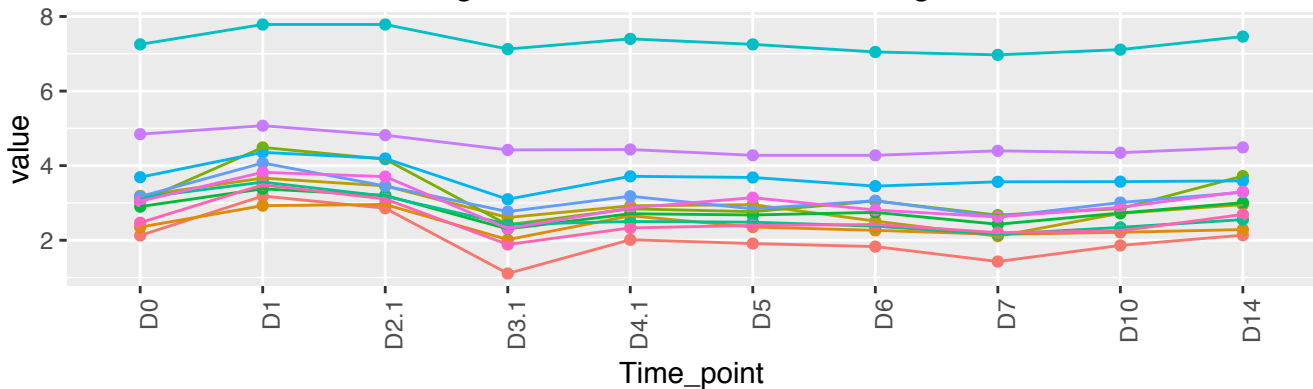
13 genes – WT-cluster-119-original



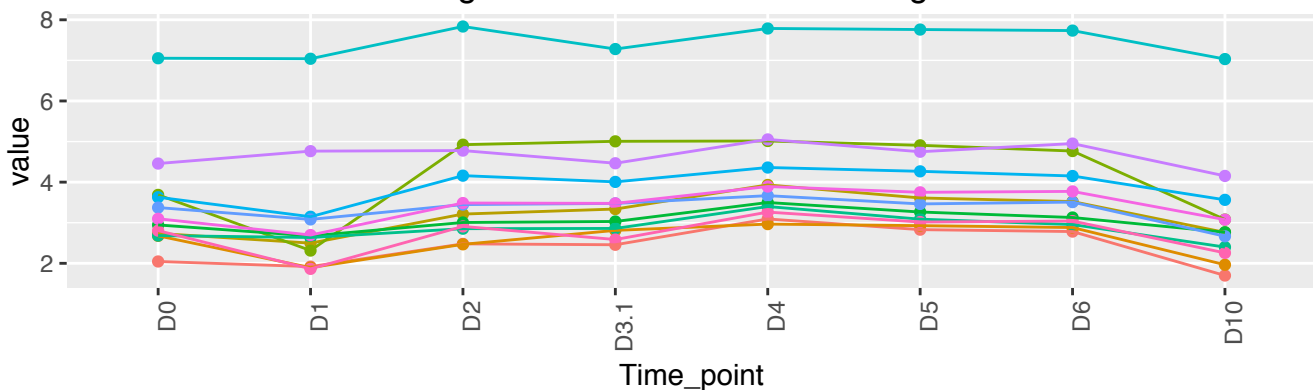
13 genes – KO-cluster-119-original



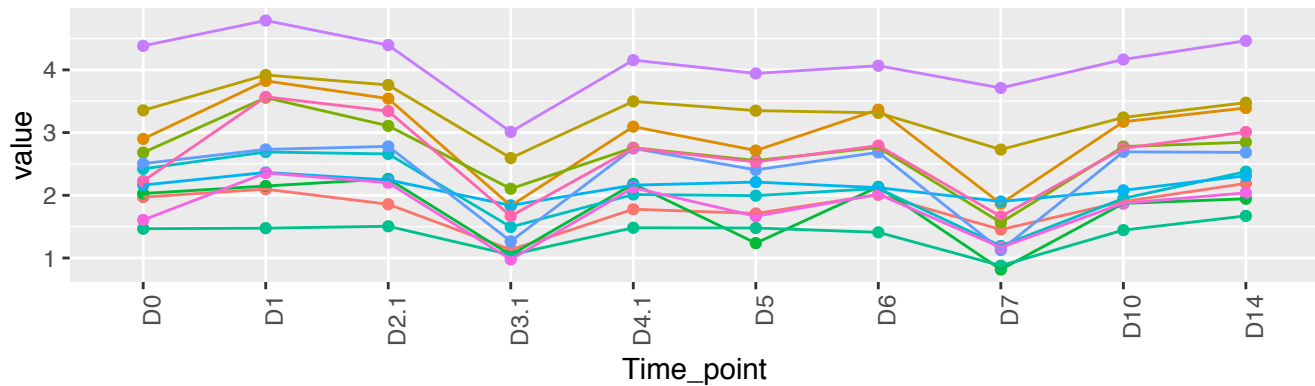
12 genes – WT-cluster-118-original



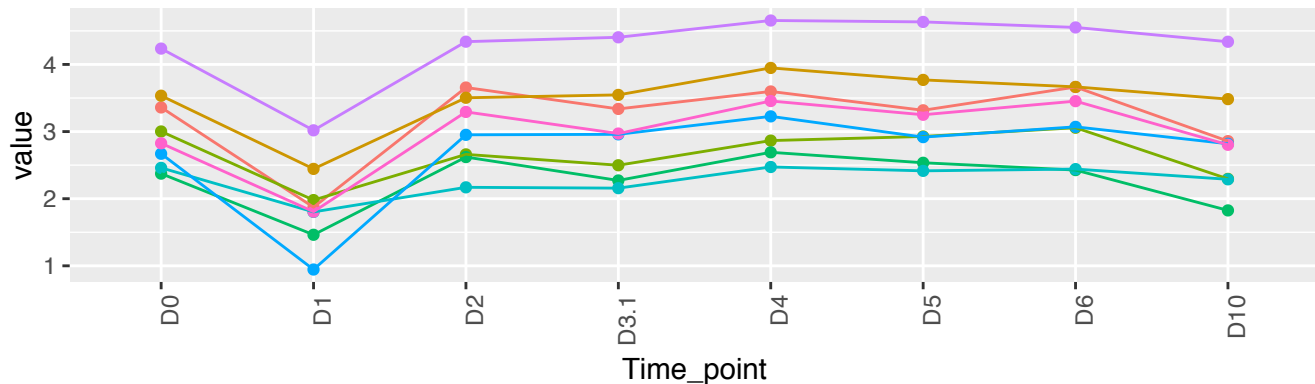
12 genes – KO-cluster-118-original



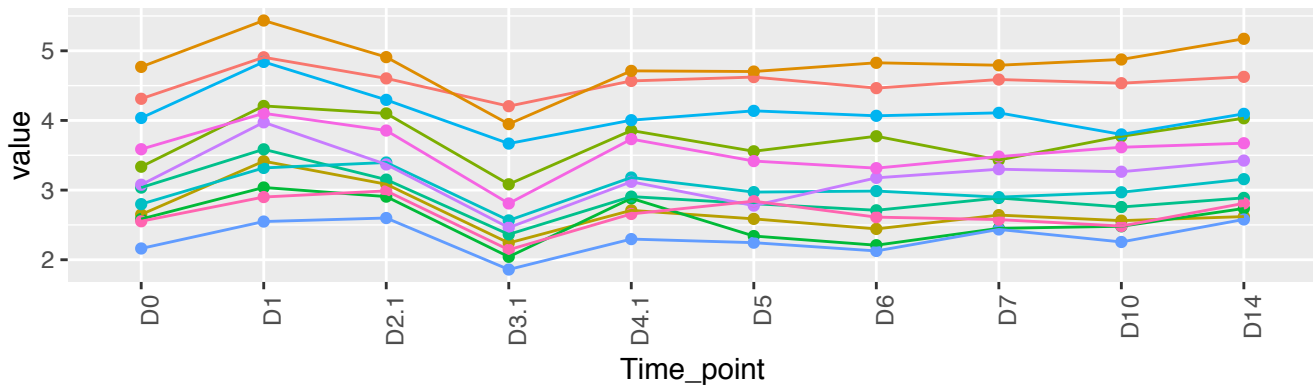
12 genes – WT-cluster-117-original



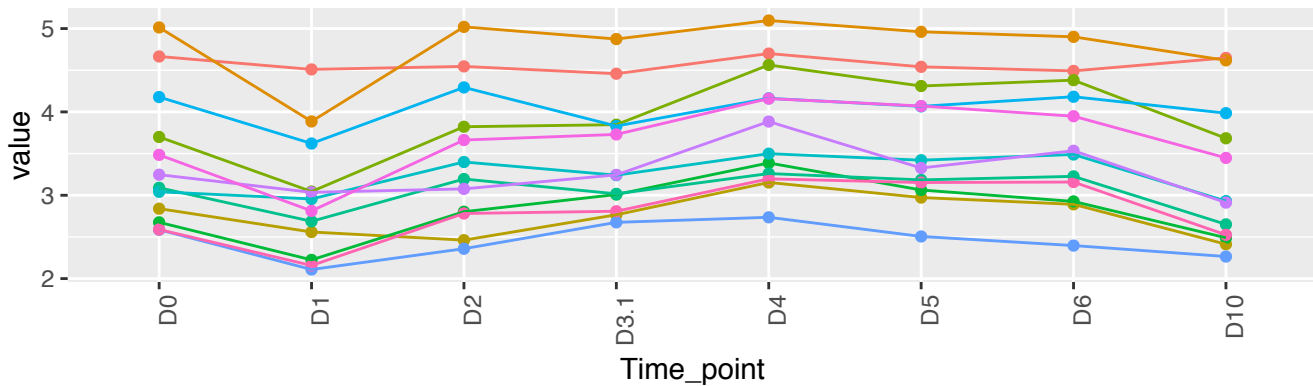
8 genes – KO-cluster-117-original



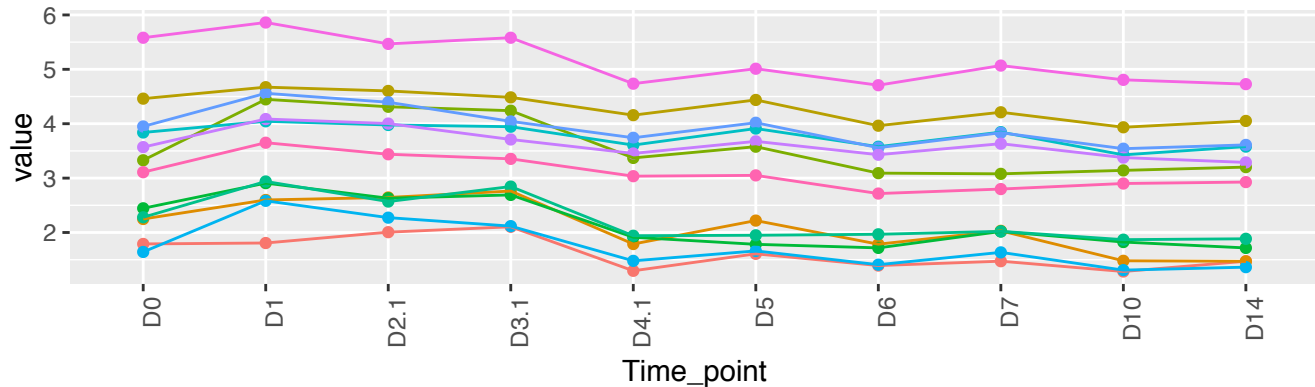
12 genes – WT-cluster-116-original



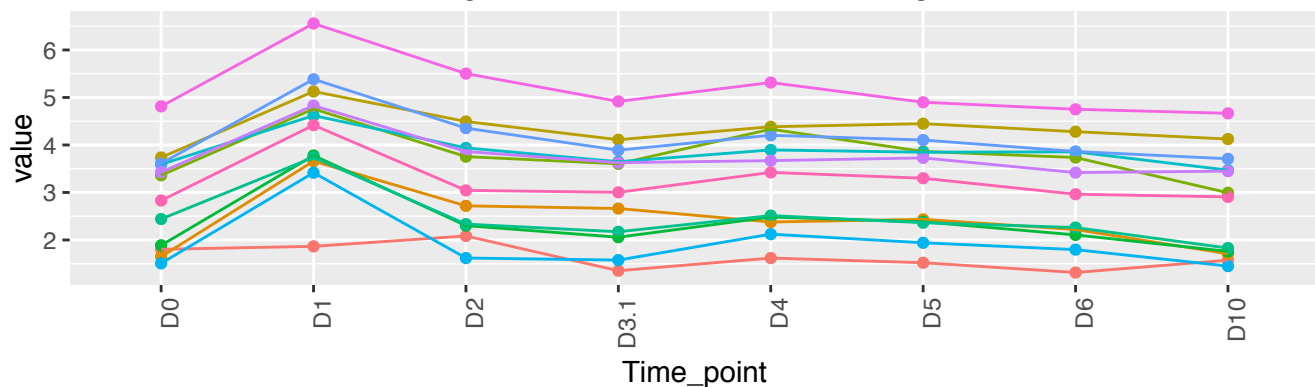
12 genes – KO-cluster-116-original



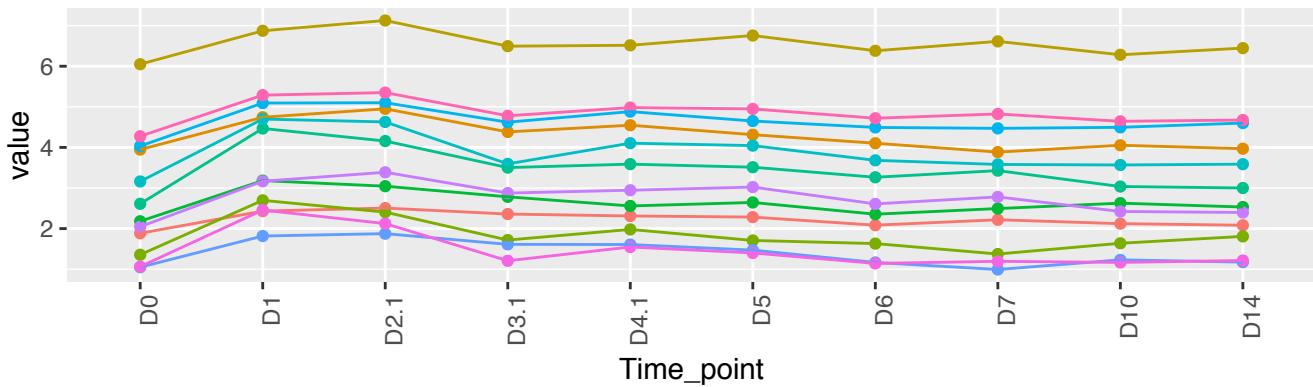
12 genes – WT-cluster-115-original



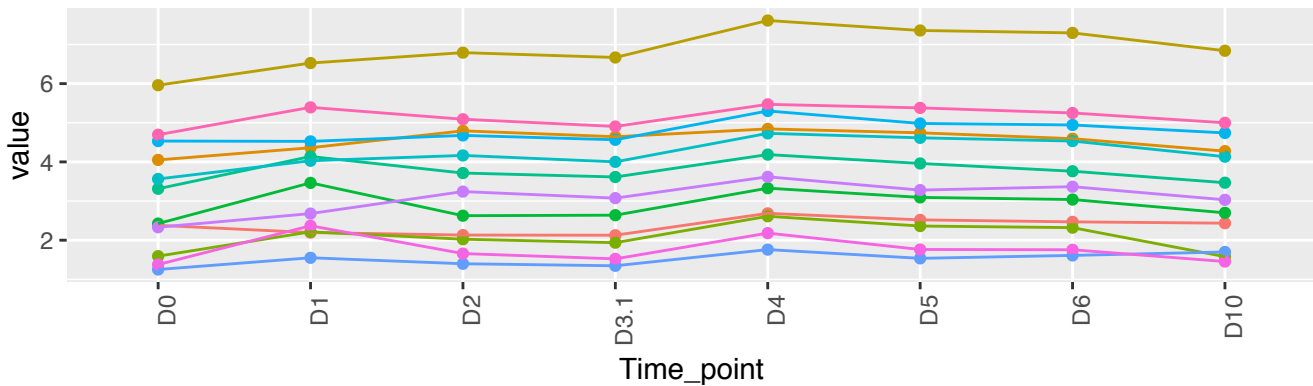
12 genes – KO-cluster-115-original



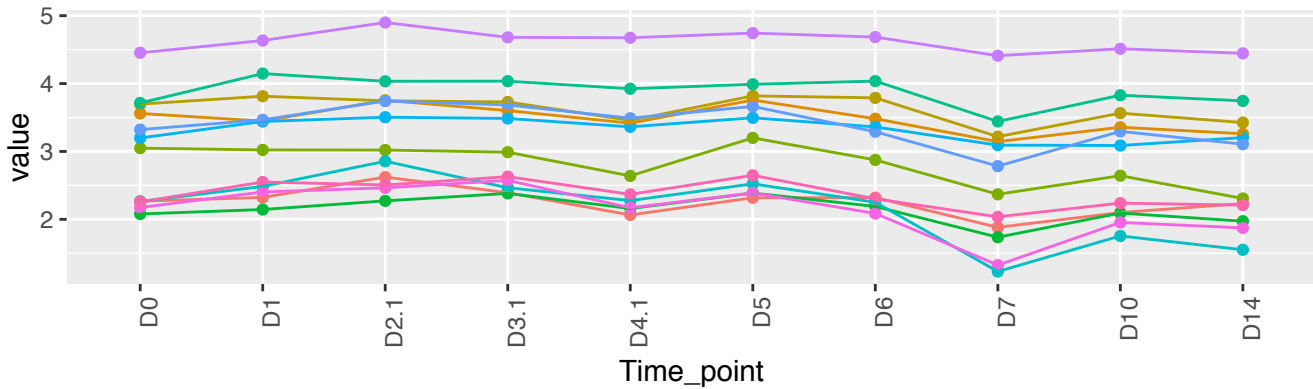
12 genes – WT-cluster-114-original



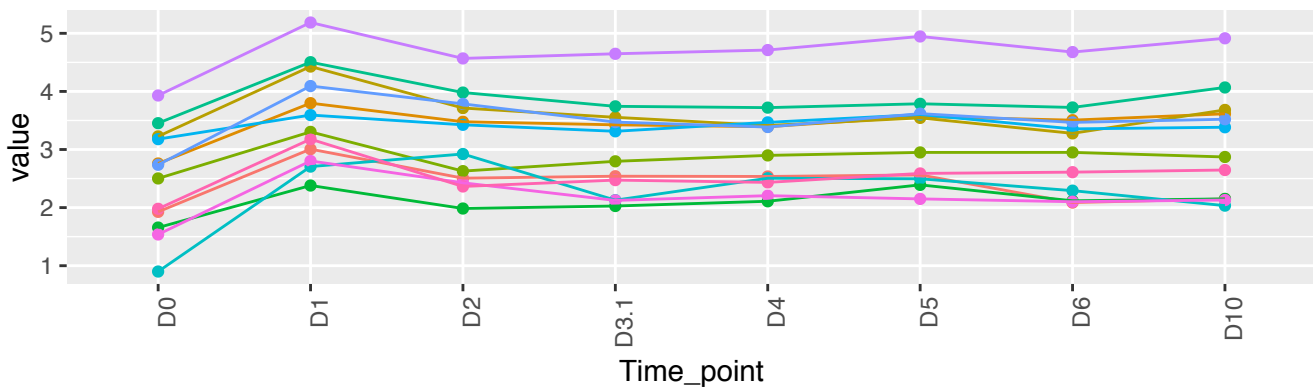
12 genes – KO-cluster-114-original



12 genes – WT-cluster-113-original

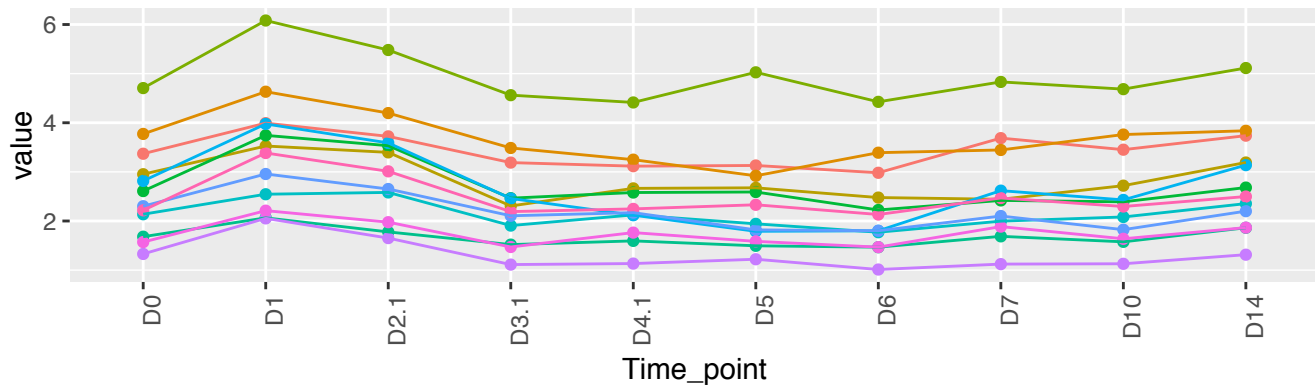


12 genes – KO-cluster-113-original

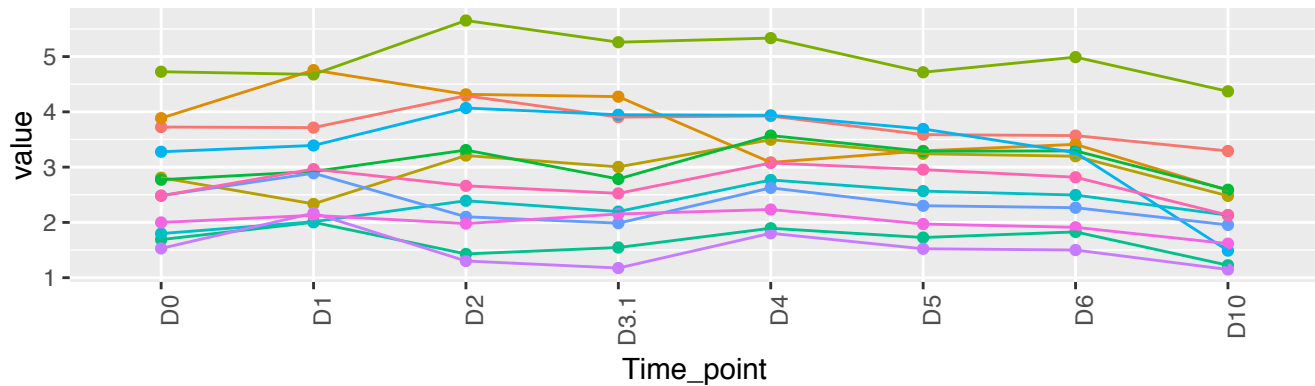




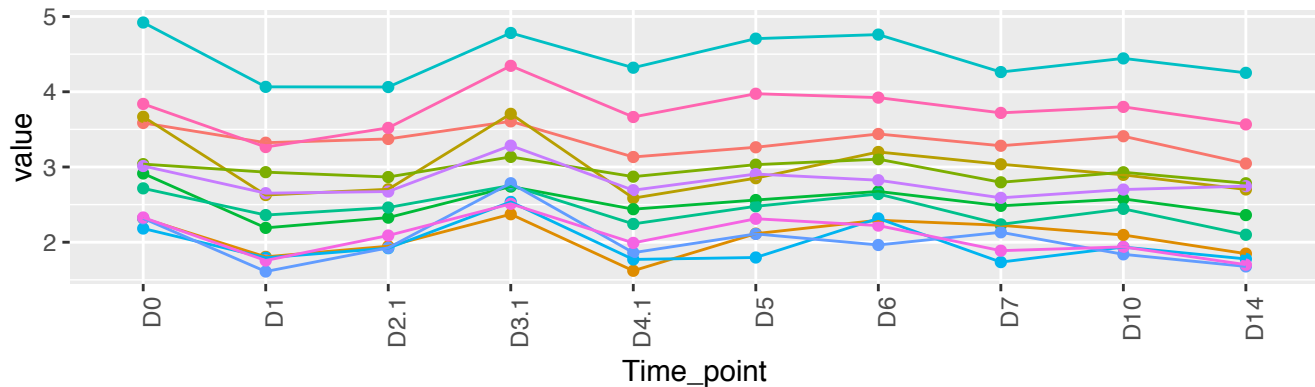
12 genes – WT-cluster-112-original



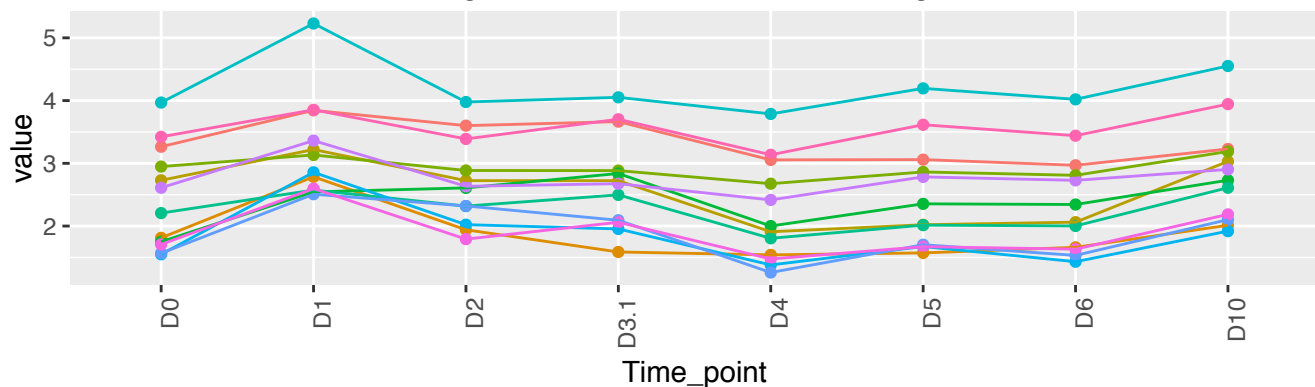
12 genes – KO-cluster-112-original



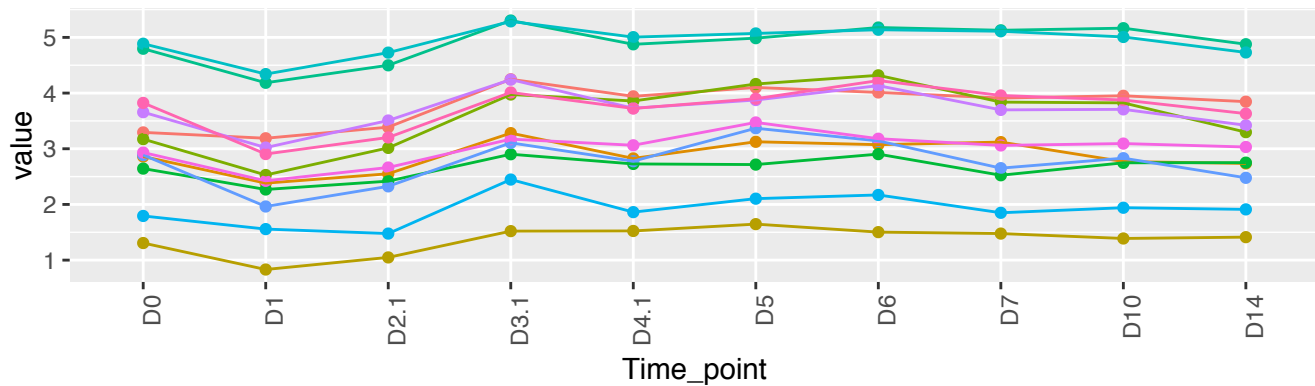
12 genes – WT-cluster-111-original



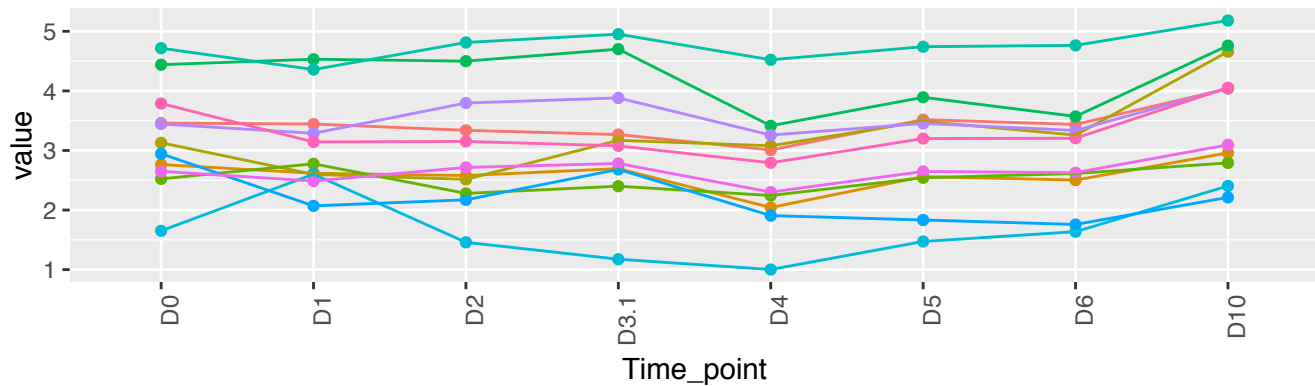
12 genes – KO-cluster-111-original



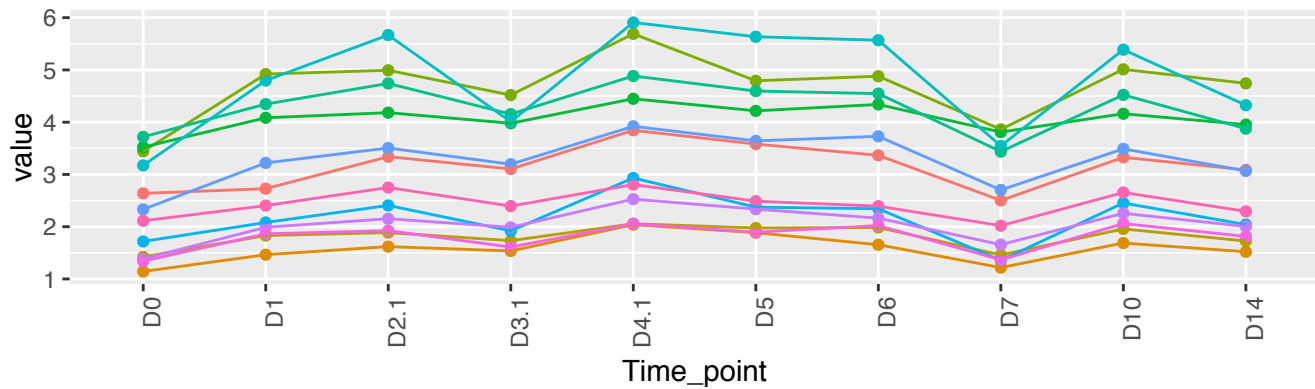
12 genes – WT-cluster-110-original



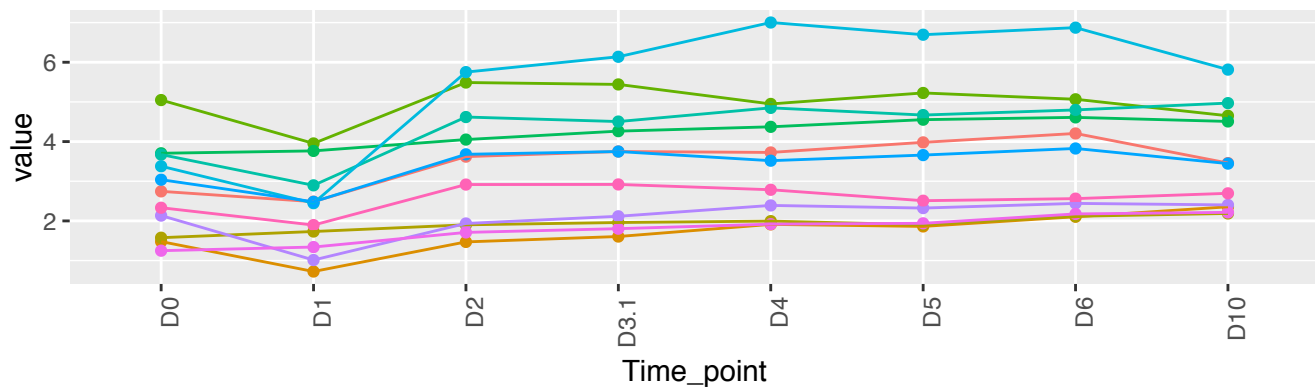
11 genes – KO-cluster-110-original



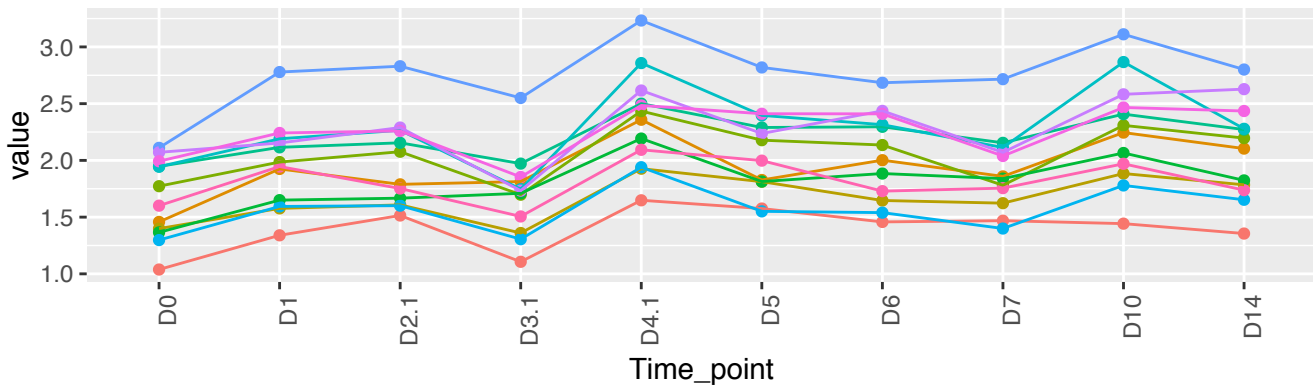
12 genes – WT-cluster-109-original



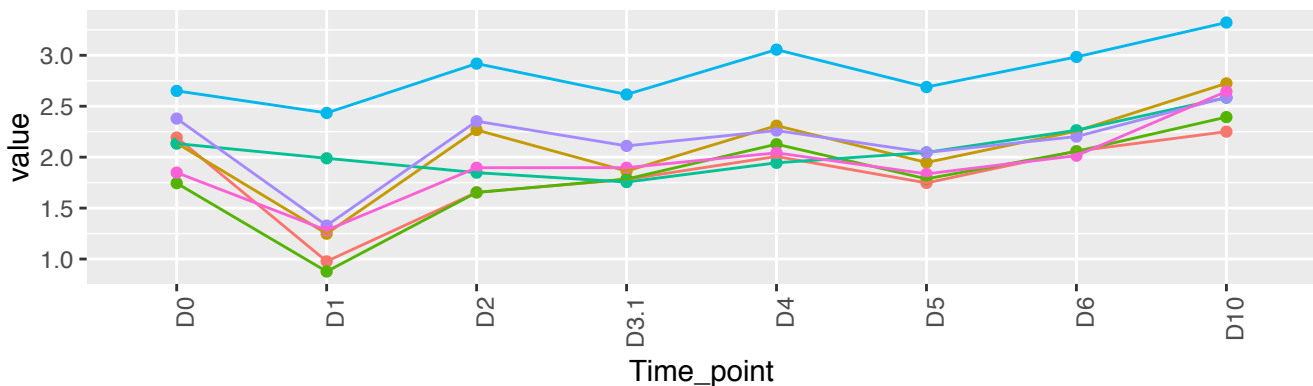
11 genes – KO-cluster-109-original



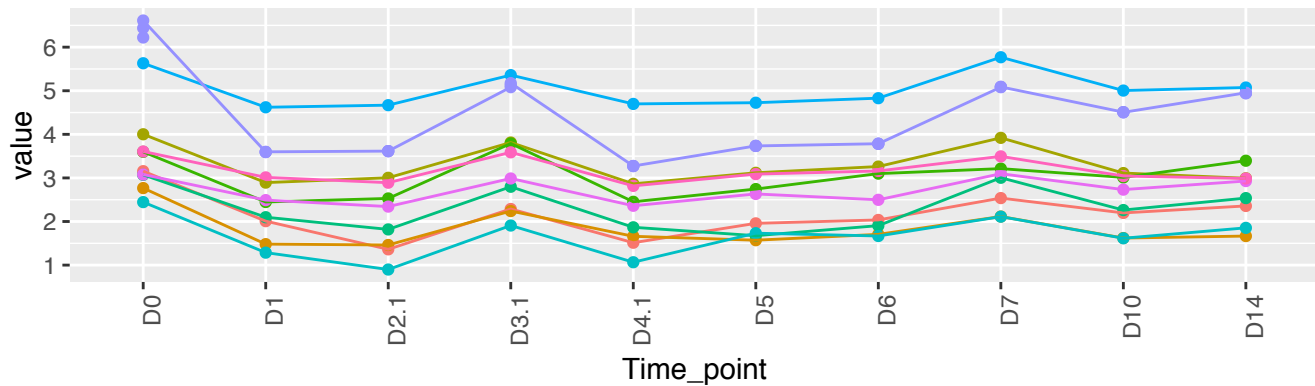
12 genes – WT-cluster-108-original



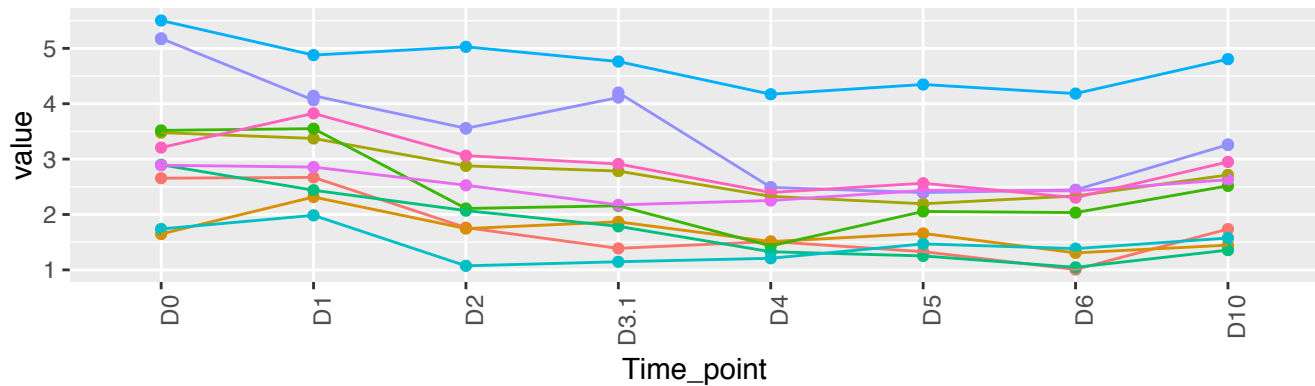
7 genes – KO-cluster-108-original



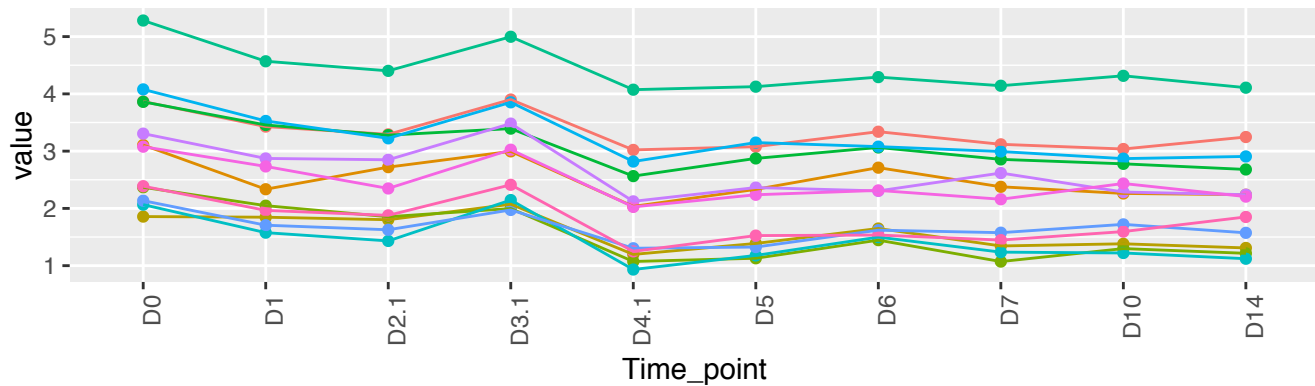
12 genes – WT-cluster-107-original



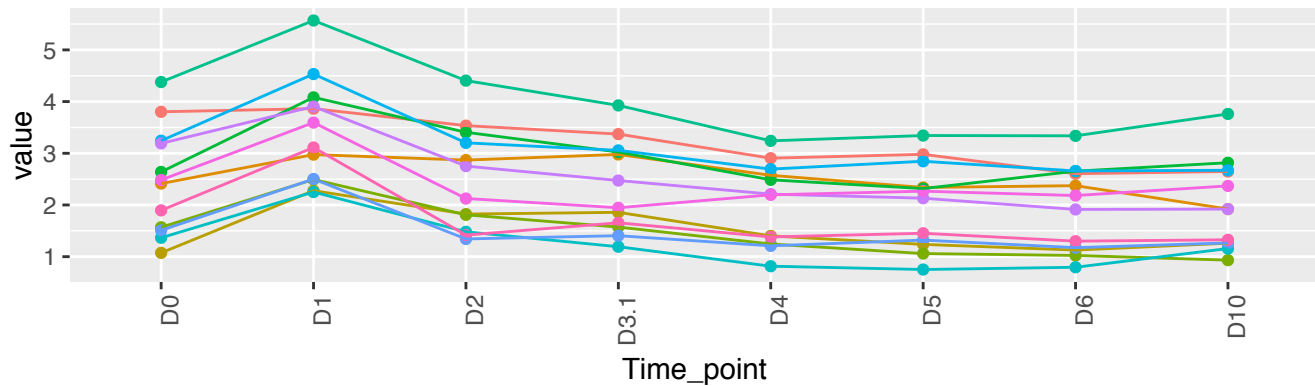
12 genes – KO-cluster-107-original



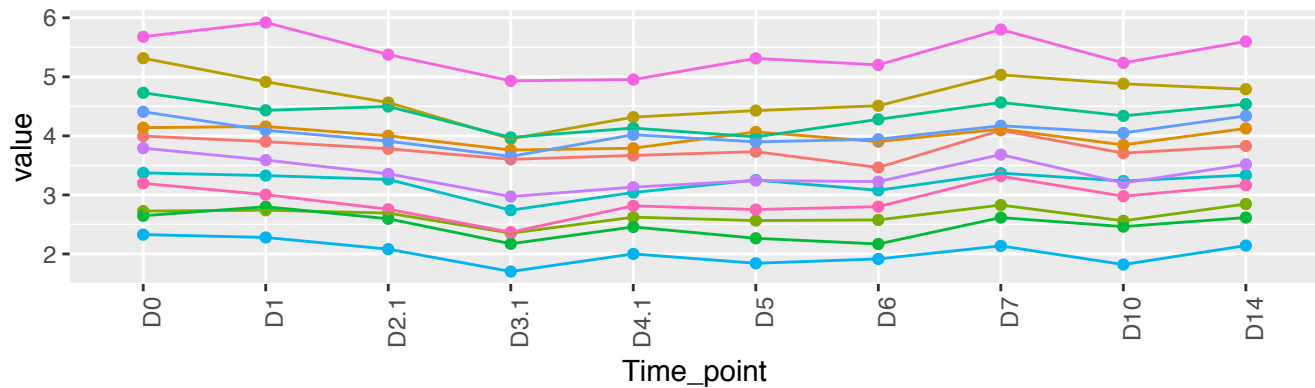
12 genes – WT-cluster-106-original



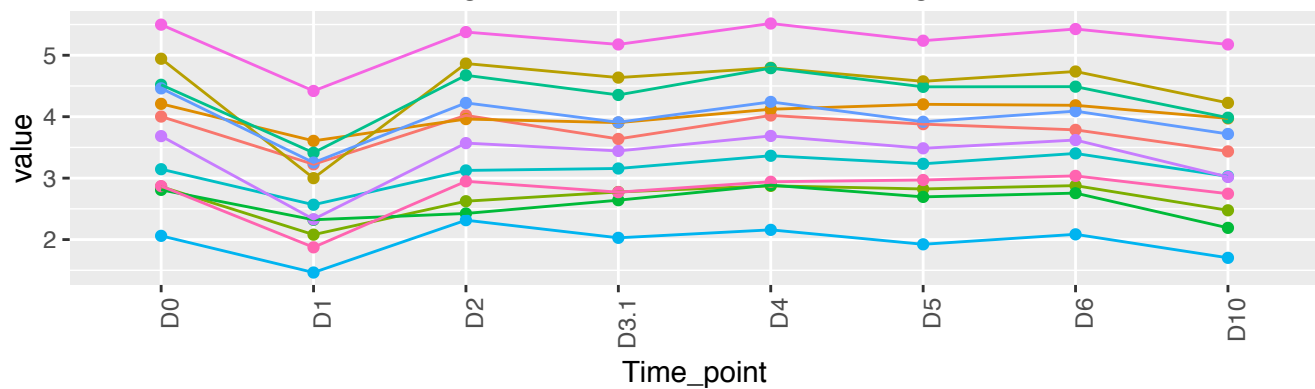
12 genes – KO-cluster-106-original



12 genes – WT-cluster-105-original

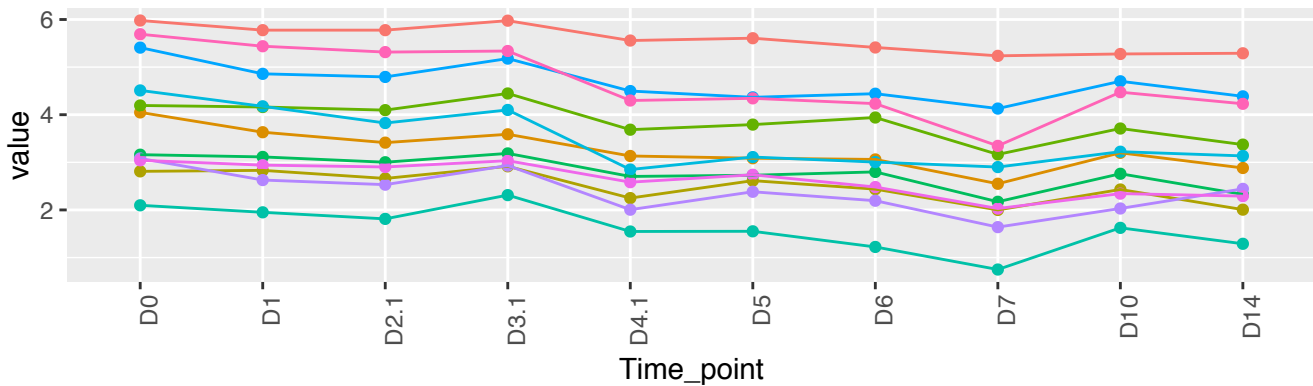


12 genes – KO-cluster-105-original

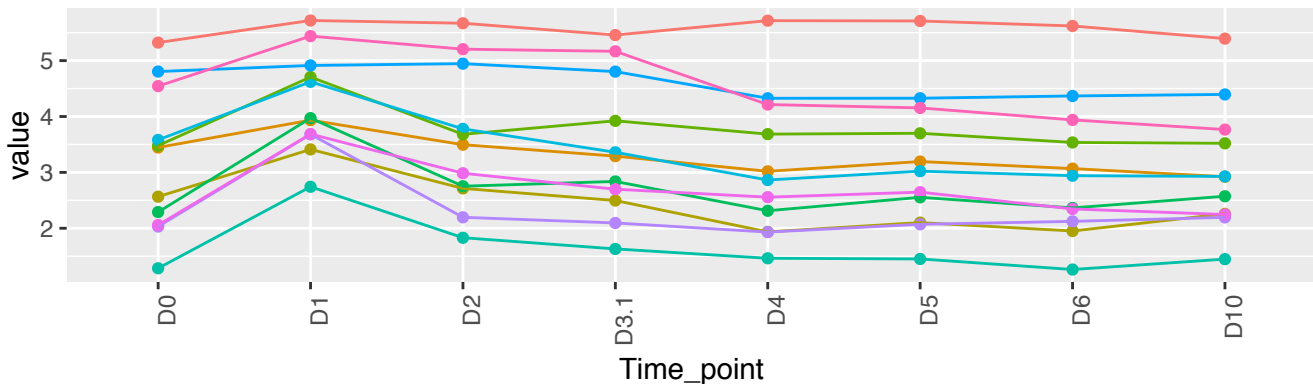




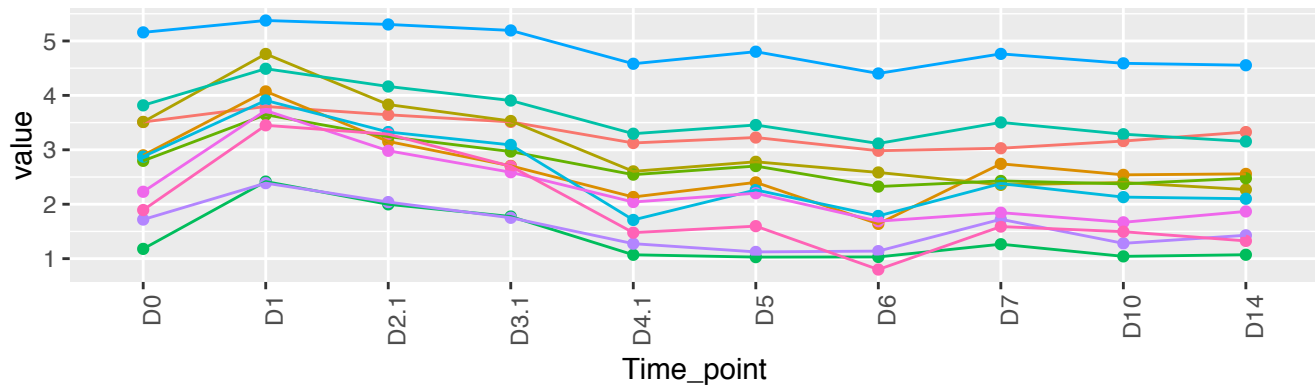
11 genes – WT-cluster-104-original



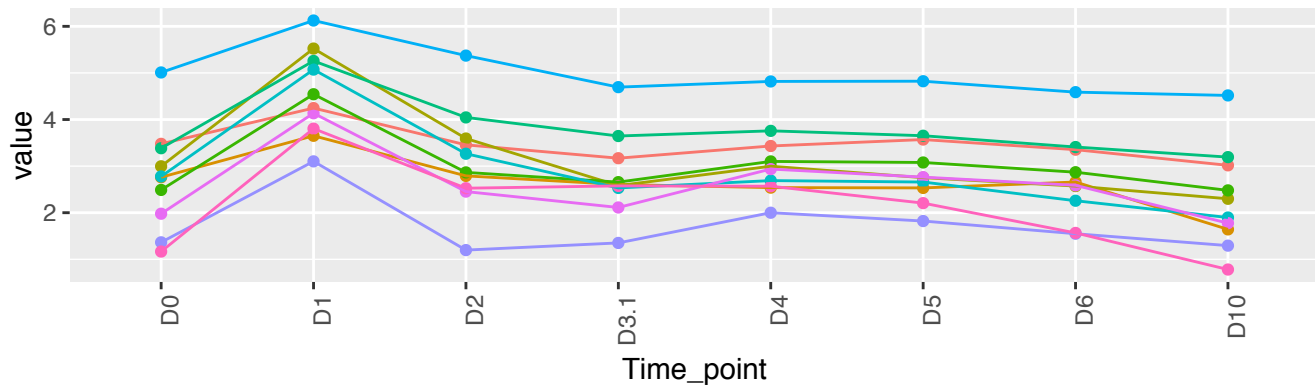
11 genes – KO-cluster-104-original



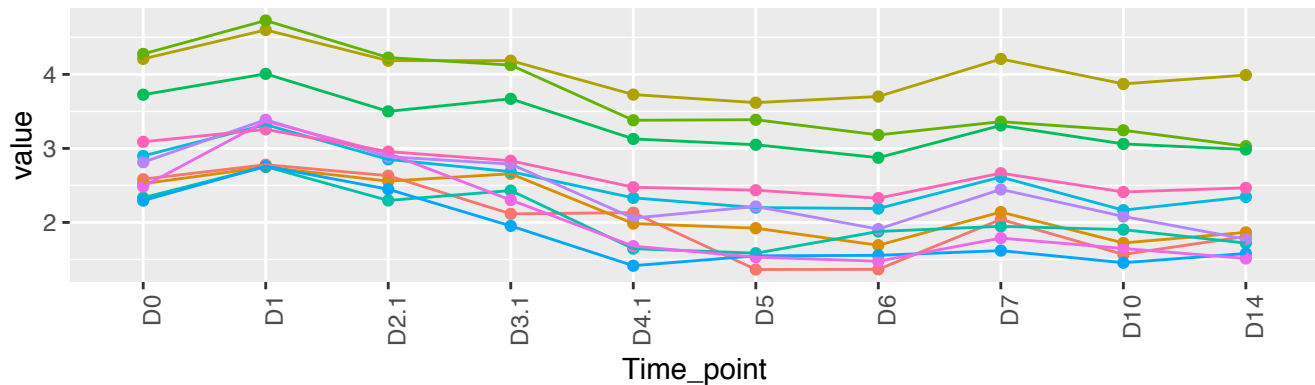
11 genes – WT-cluster-103-original



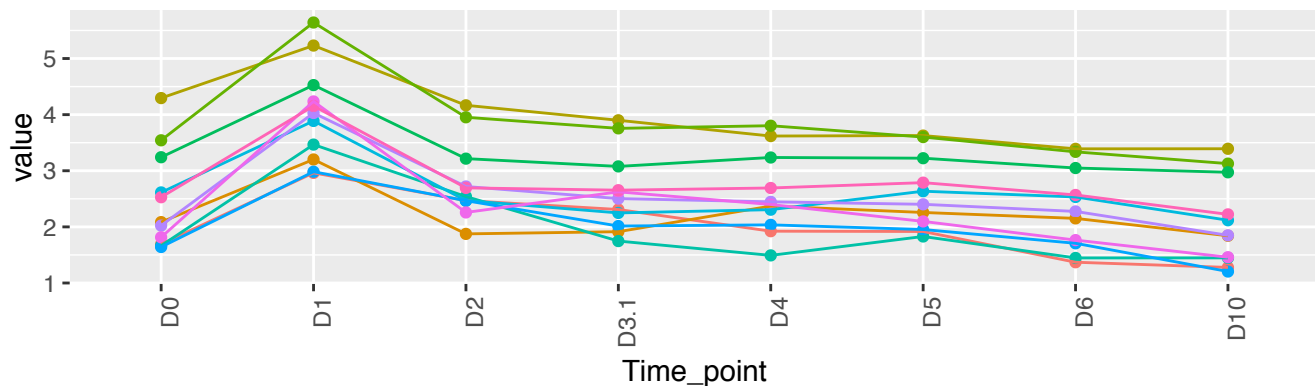
10 genes – KO-cluster-103-original



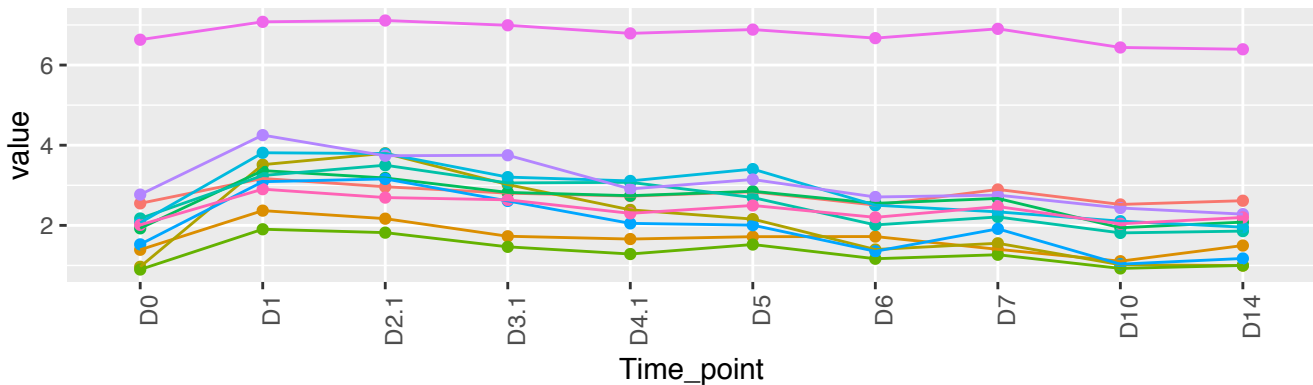
11 genes – WT-cluster-102-original



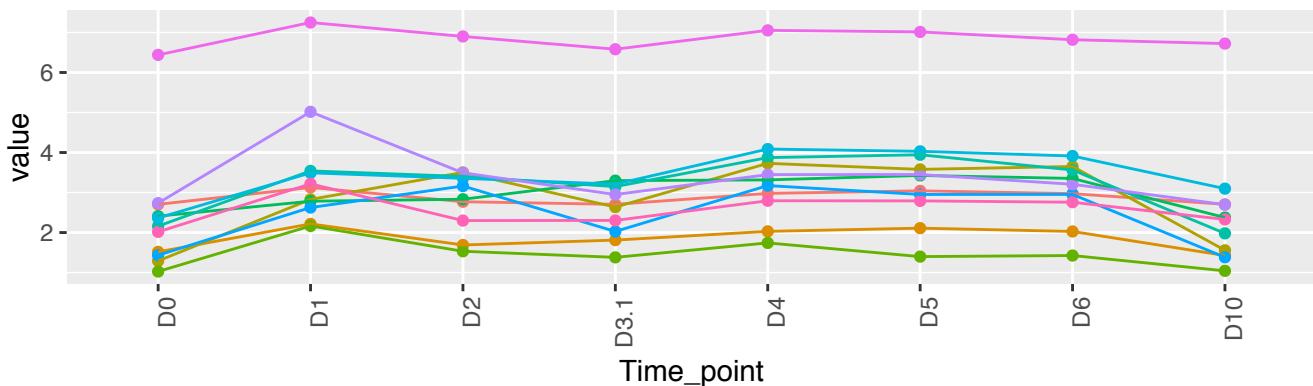
11 genes – KO-cluster-102-original



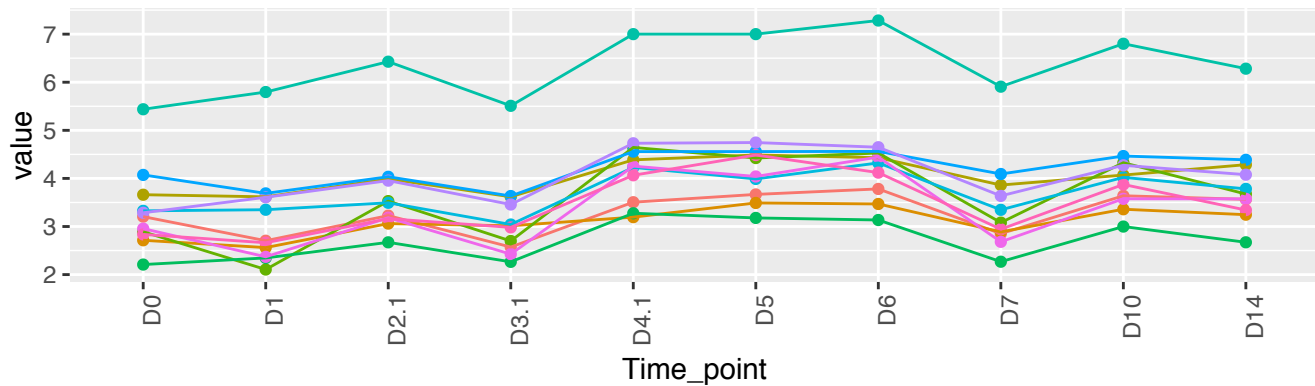
11 genes – WT-cluster-101-original



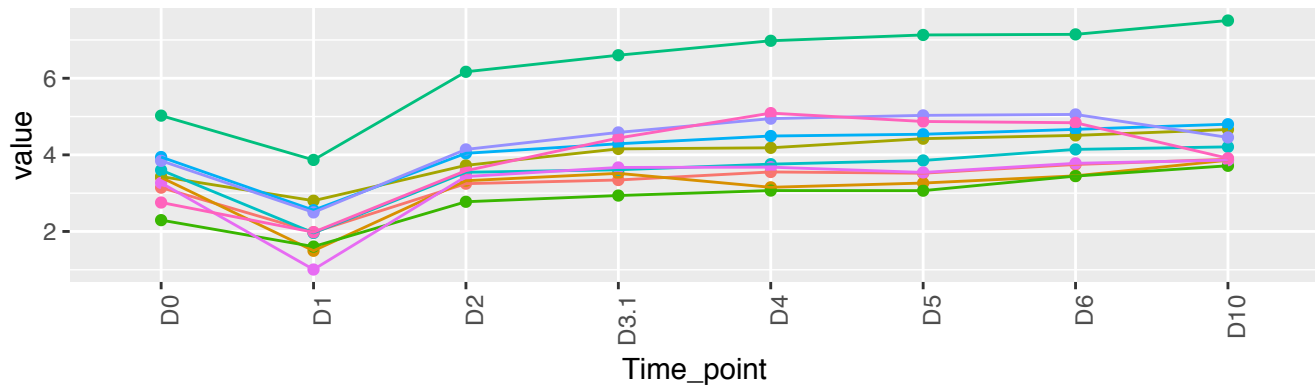
11 genes – KO-cluster-101-original



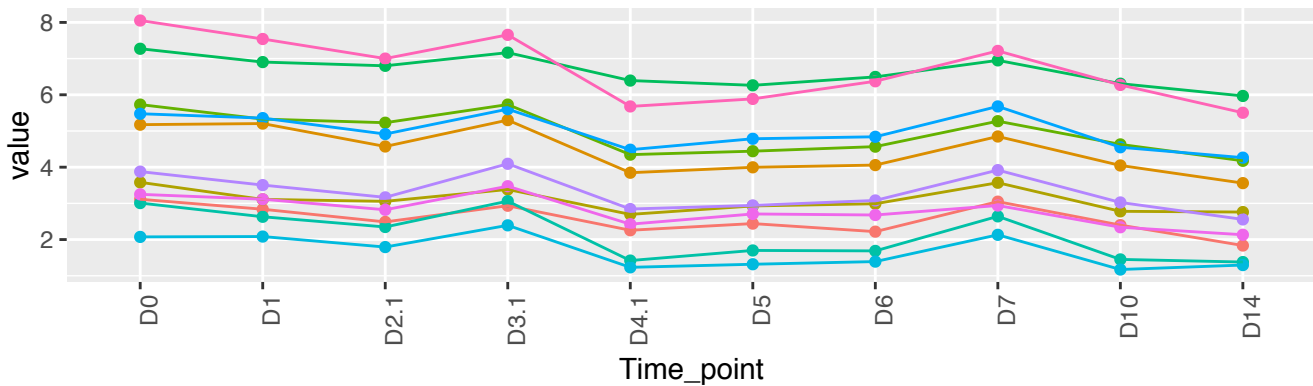
11 genes – WT-cluster-100-original



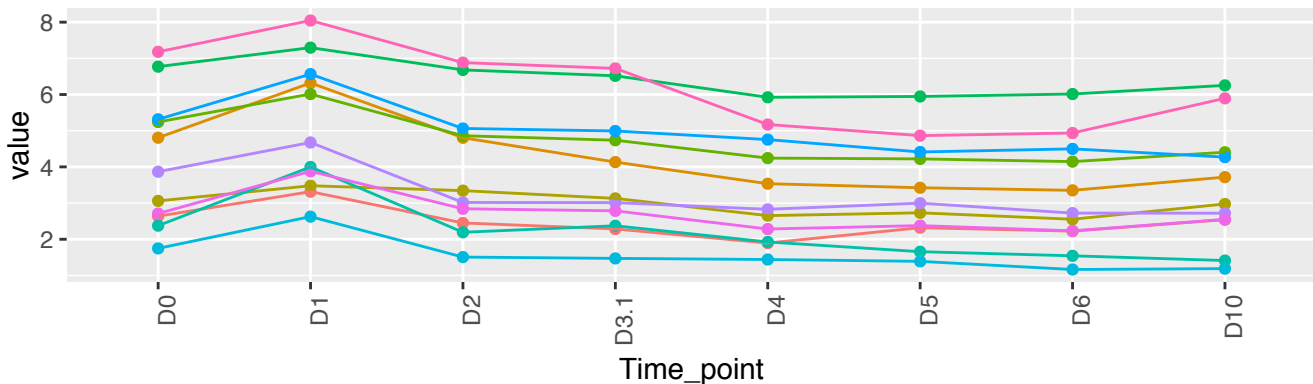
10 genes – KO-cluster-100-original



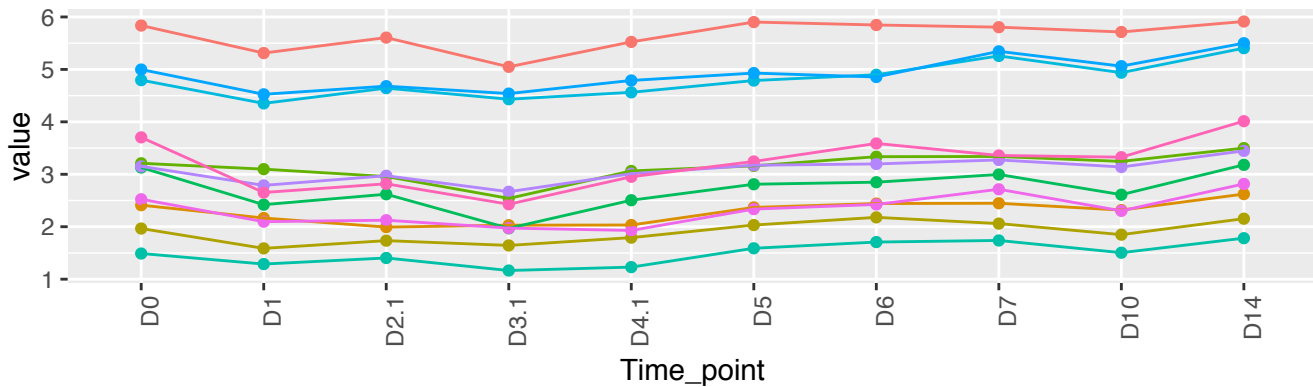
11 genes – WT-cluster-99-original



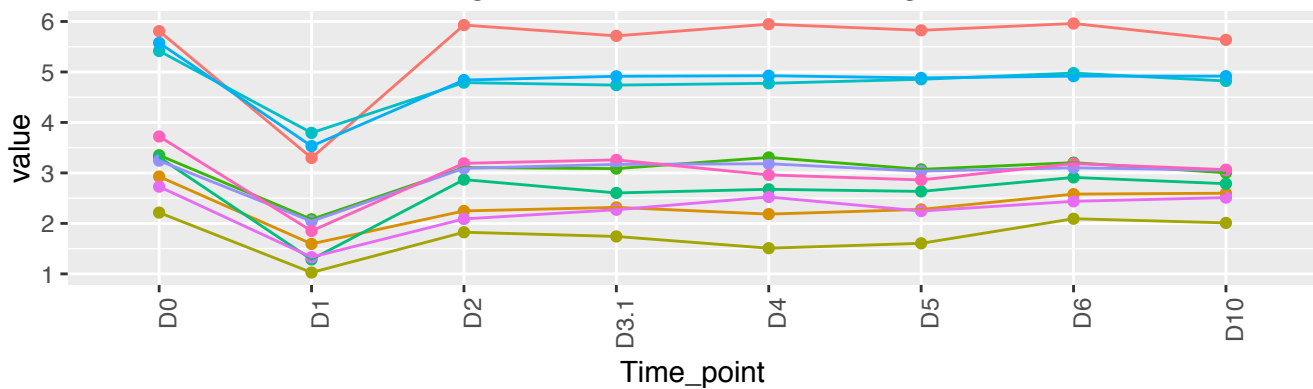
11 genes – KO-cluster-99-original



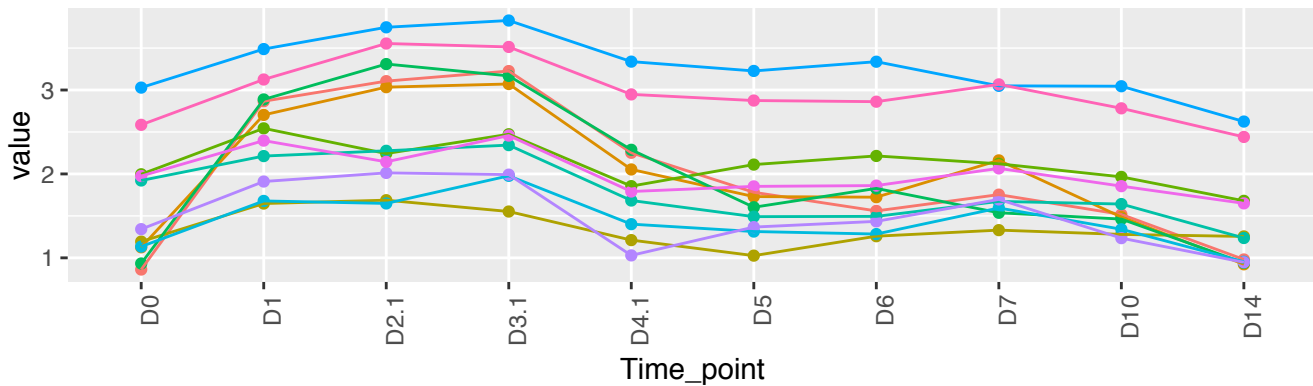
11 genes – WT-cluster-98-original



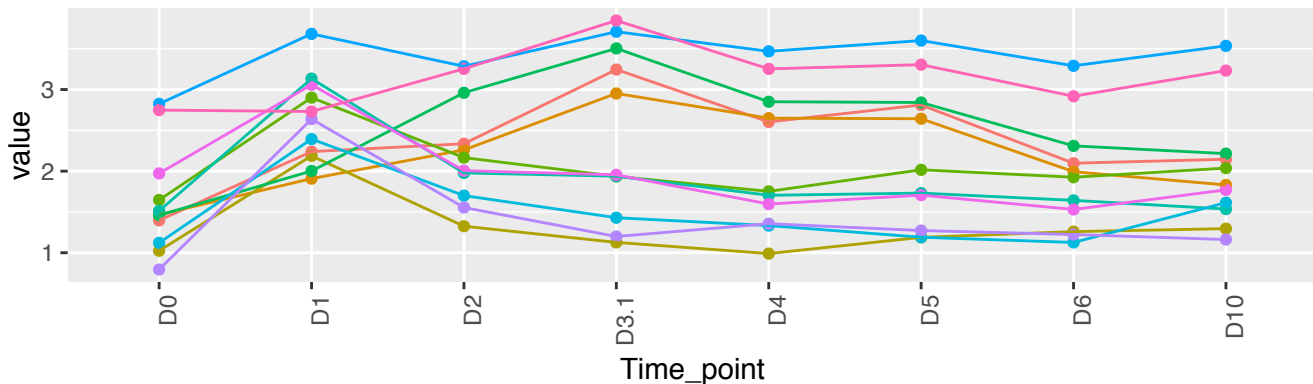
10 genes – KO-cluster-98-original



11 genes – WT-cluster-97-original

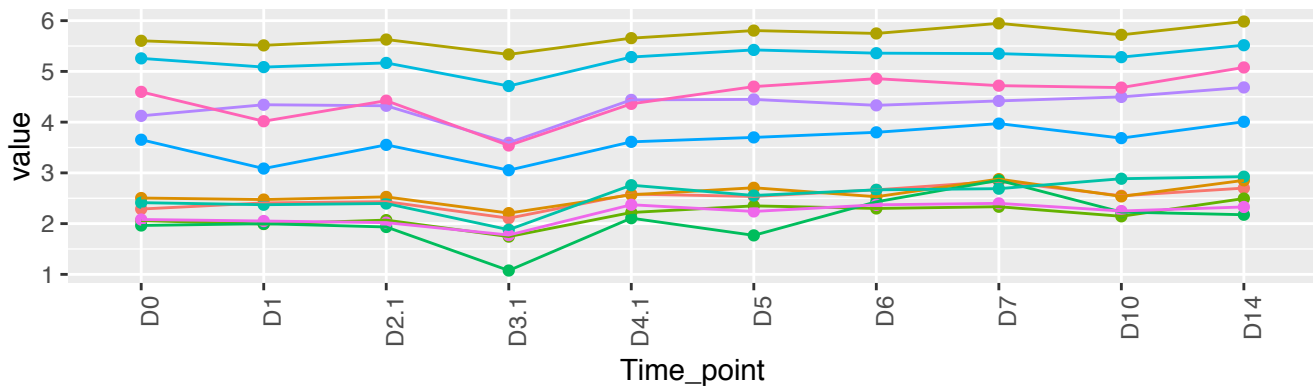


11 genes – KO-cluster-97-original

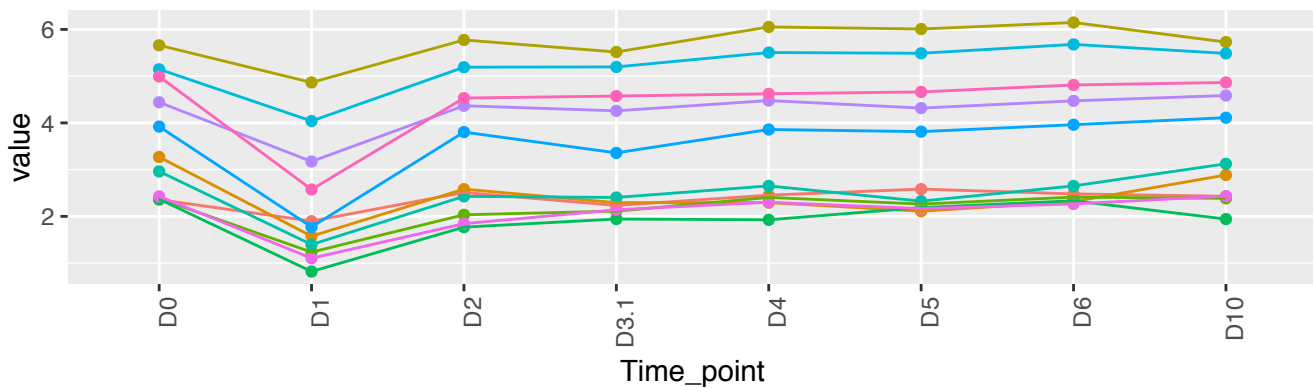




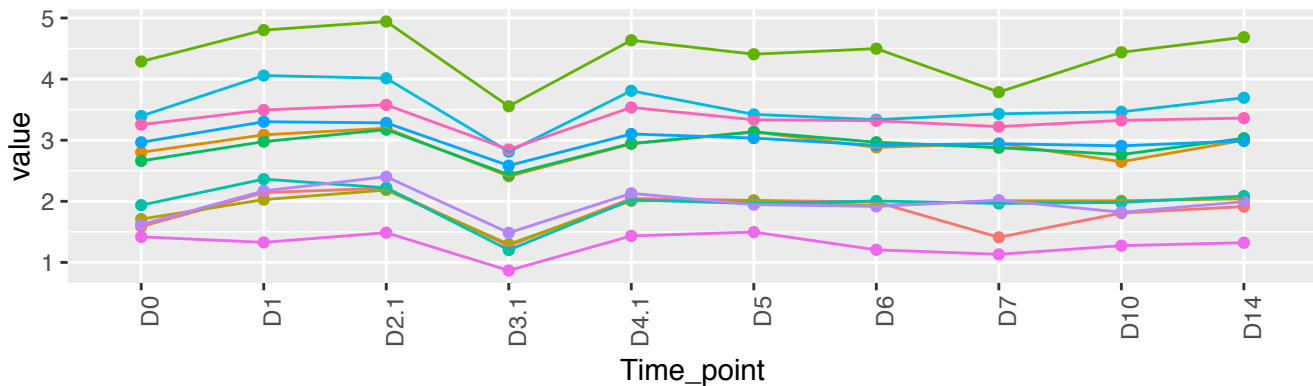
11 genes – WT-cluster-96-original



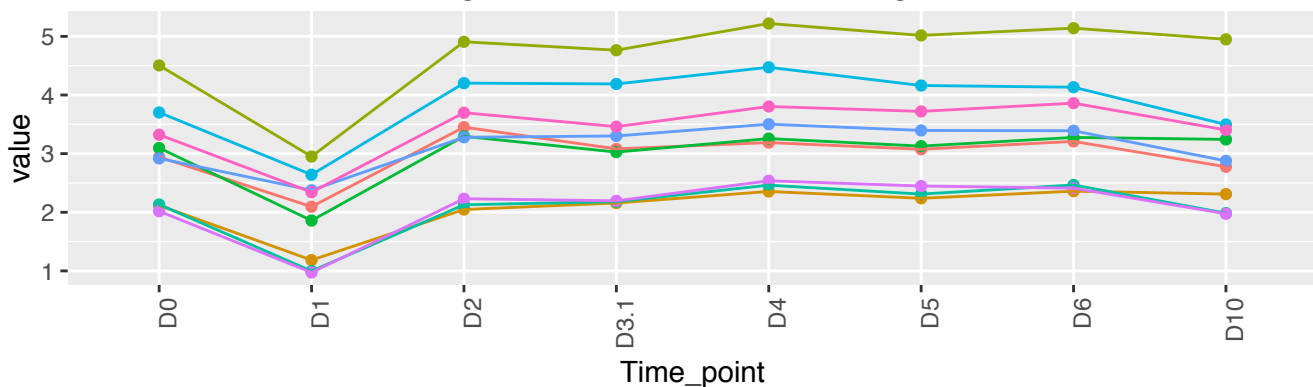
11 genes – KO-cluster-96-original



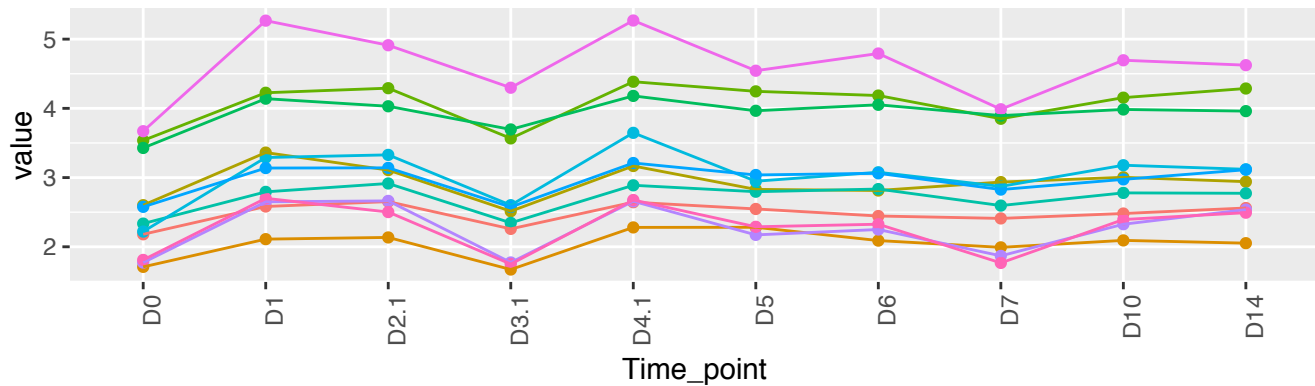
11 genes – WT-cluster-95-original



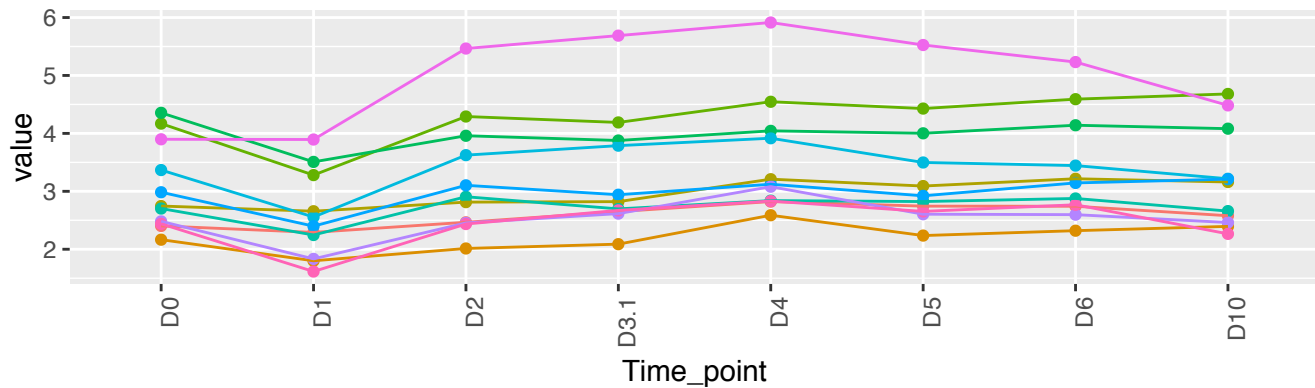
9 genes – KO-cluster-95-original



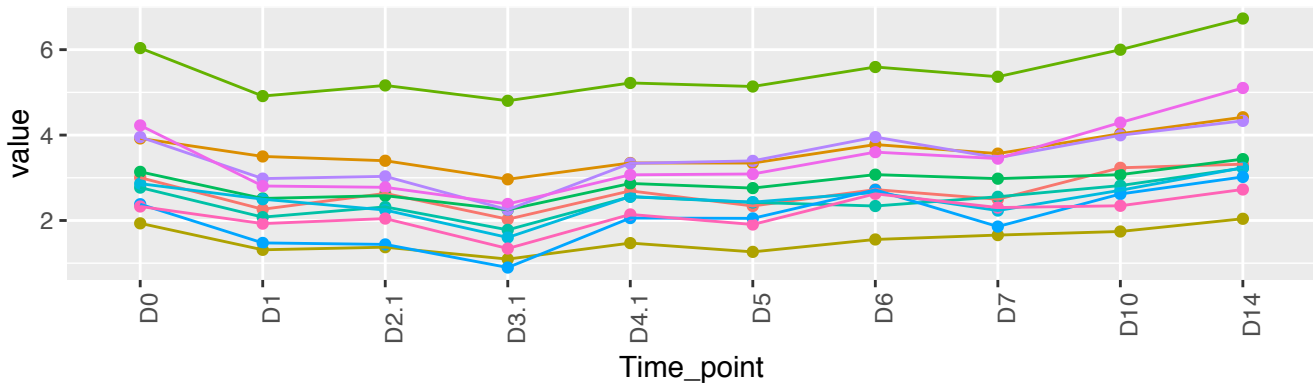
11 genes – WT-cluster-94-original



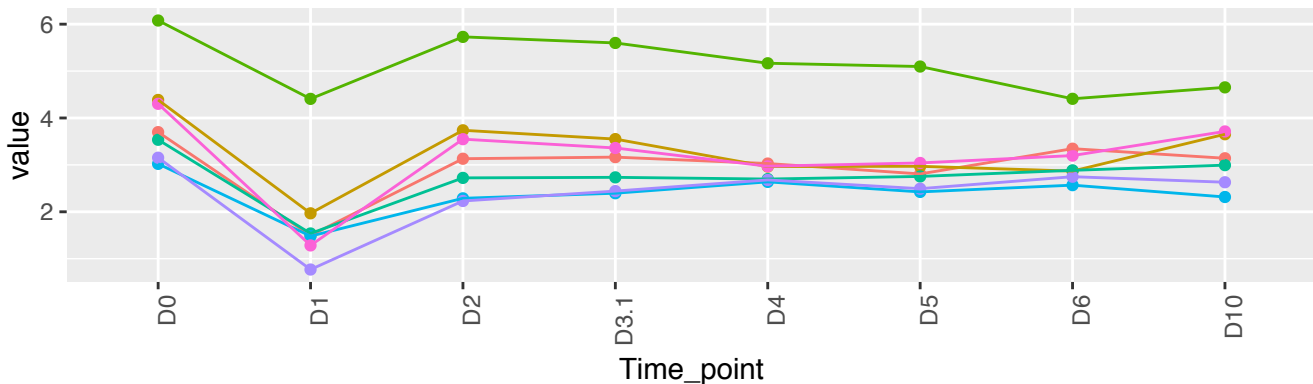
11 genes – KO-cluster-94-original



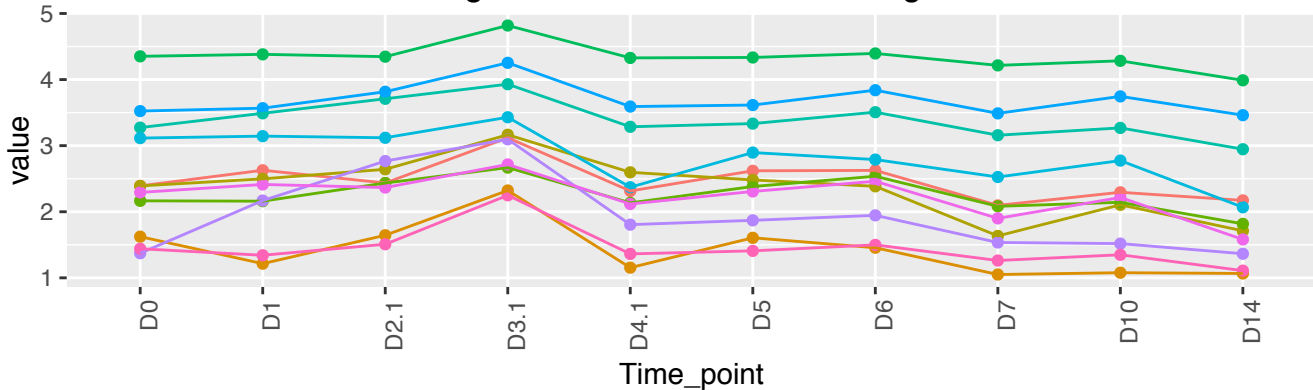
11 genes – WT-cluster-93-original



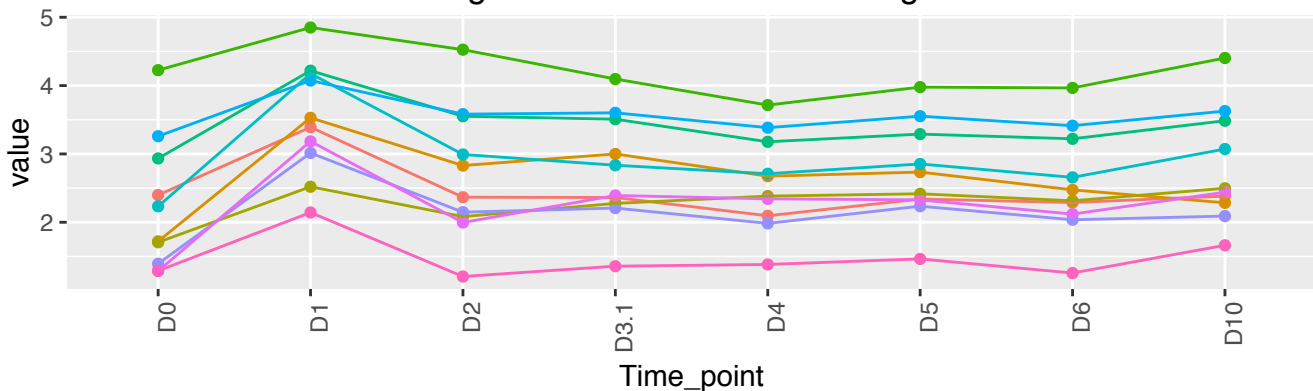
7 genes – KO-cluster-93-original



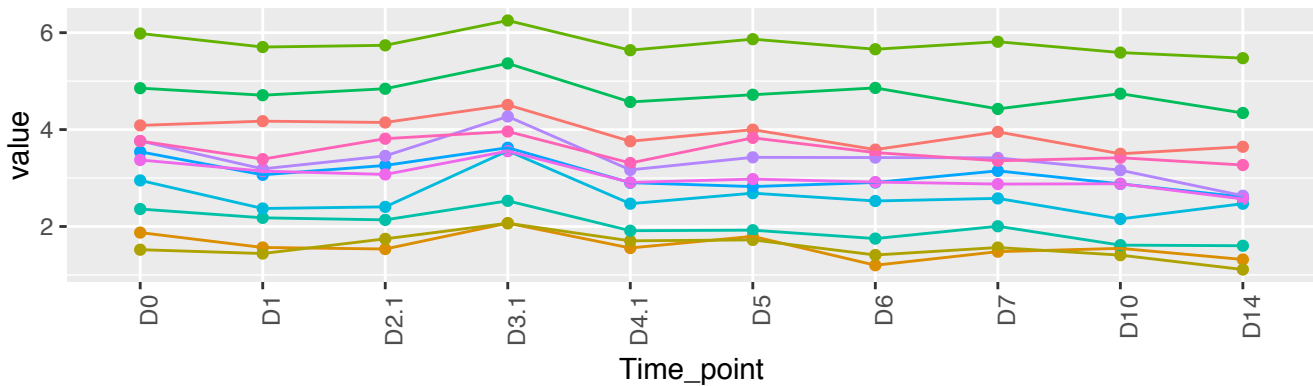
11 genes – WT-cluster-92-original



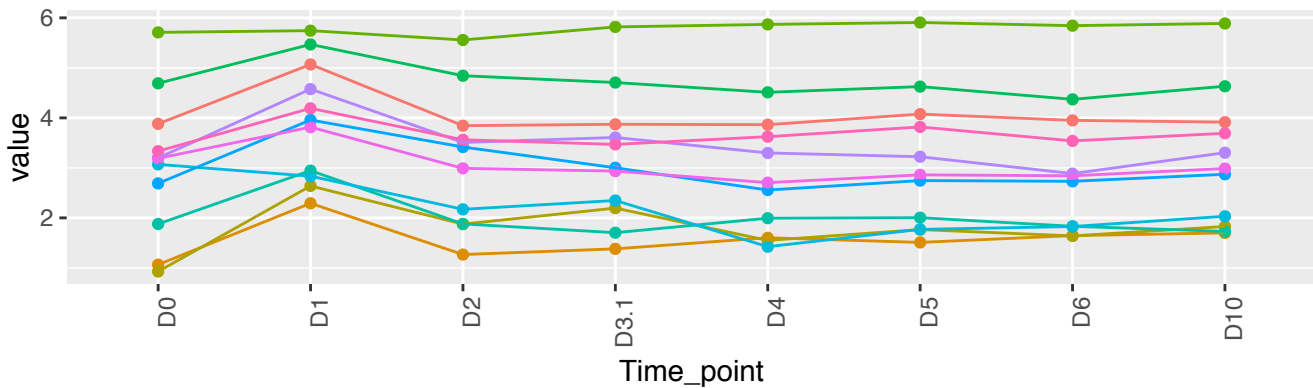
10 genes – KO-cluster-92-original



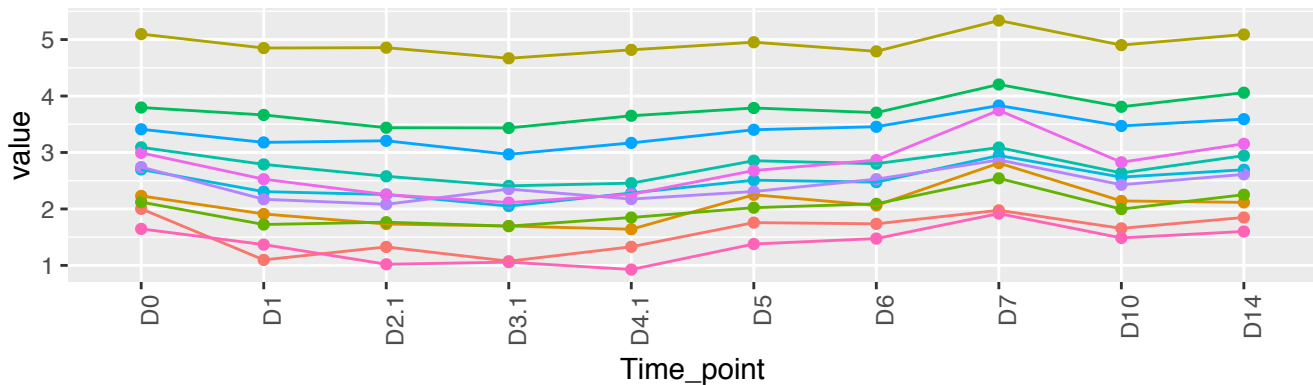
11 genes – WT-cluster-91-original



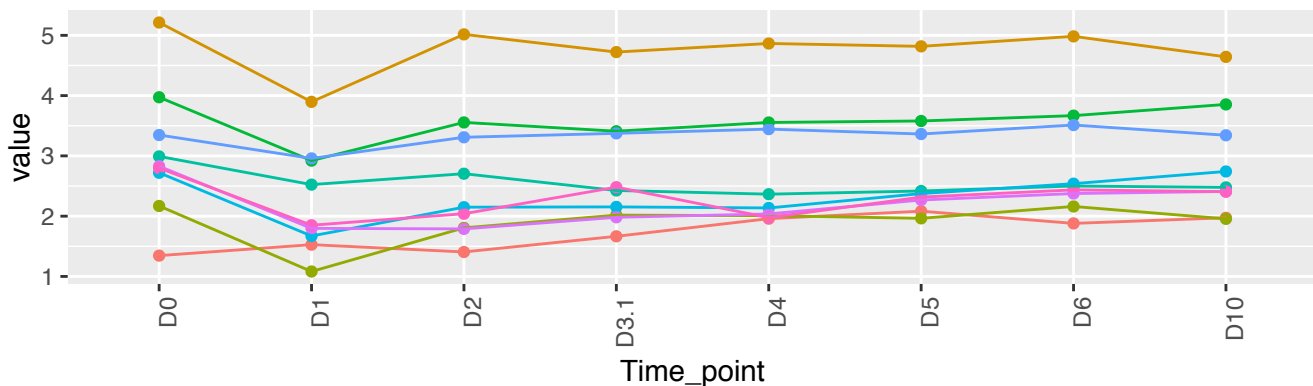
11 genes – KO-cluster-91-original



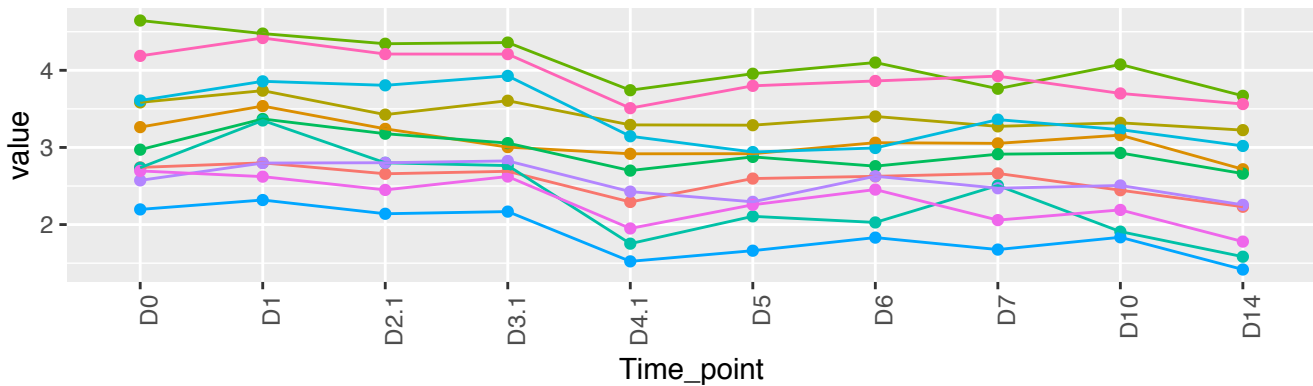
11 genes – WT-cluster-90-original



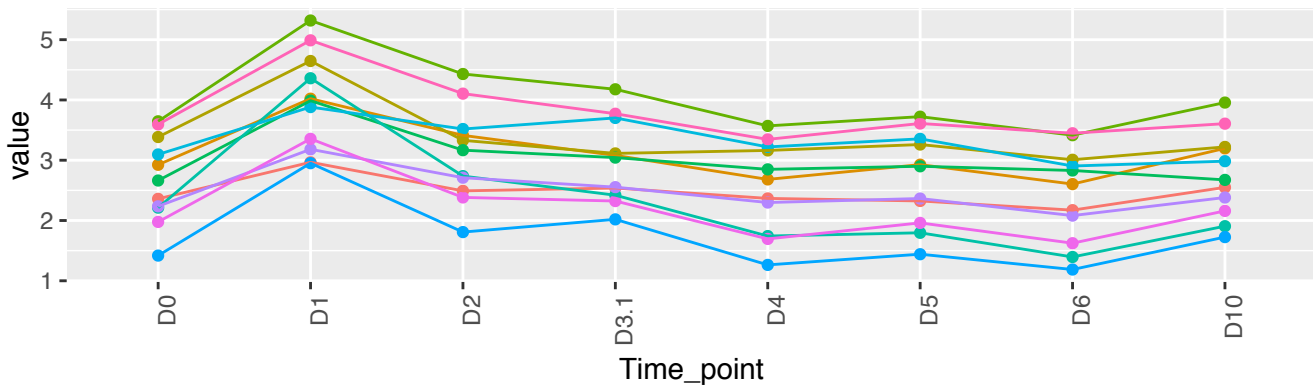
9 genes – KO-cluster-90-original



11 genes – WT-cluster-89-original

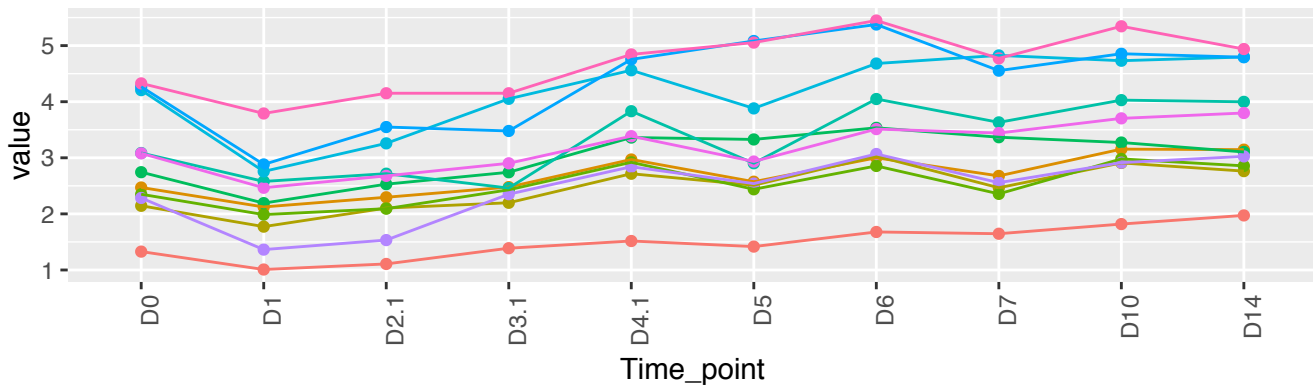


11 genes – KO-cluster-89-original

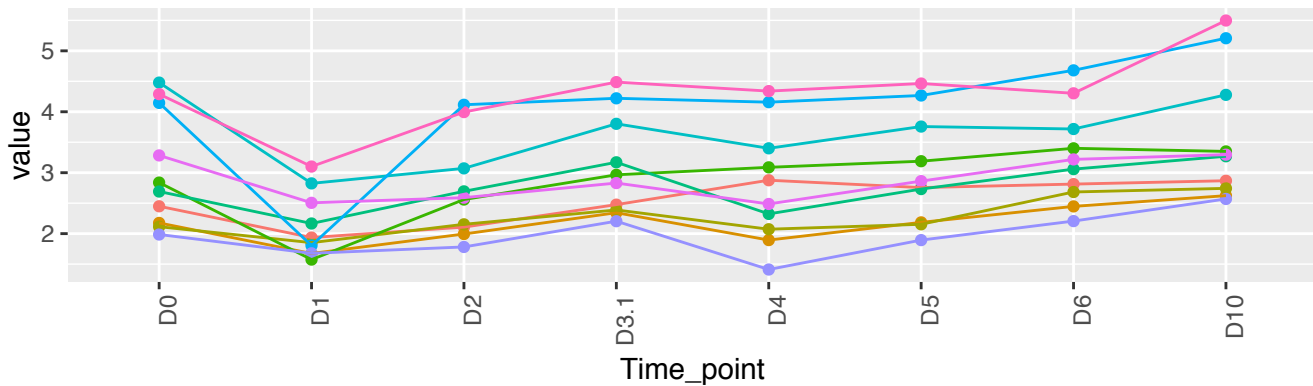




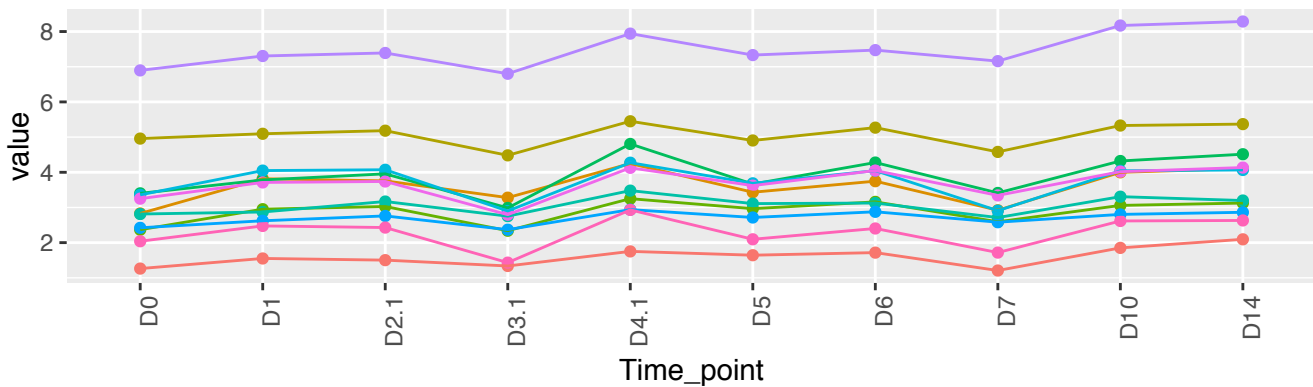
11 genes – WT-cluster-88-original



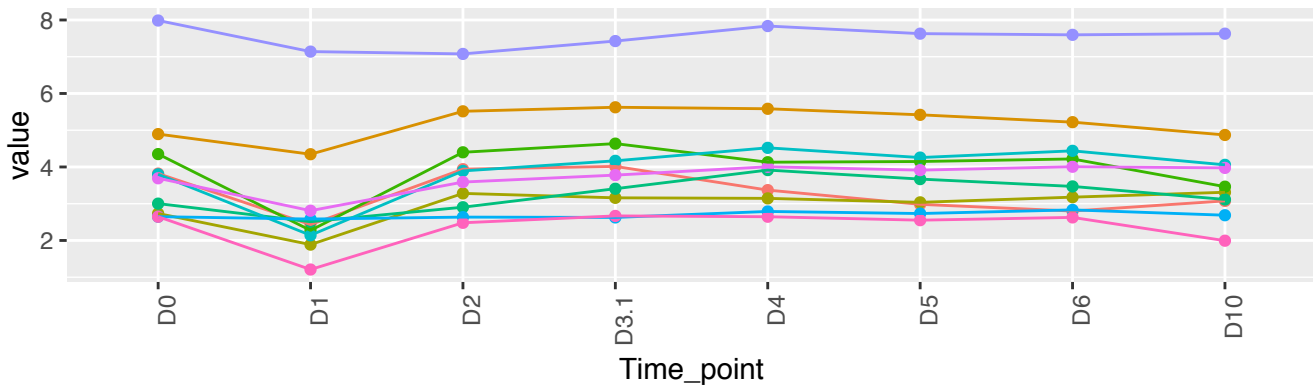
10 genes – KO-cluster-88-original



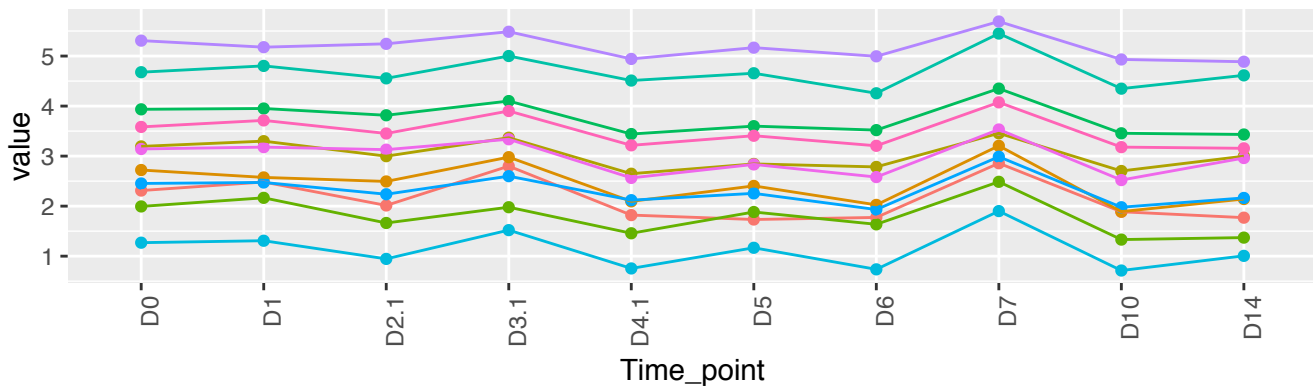
11 genes – WT-cluster-87-original



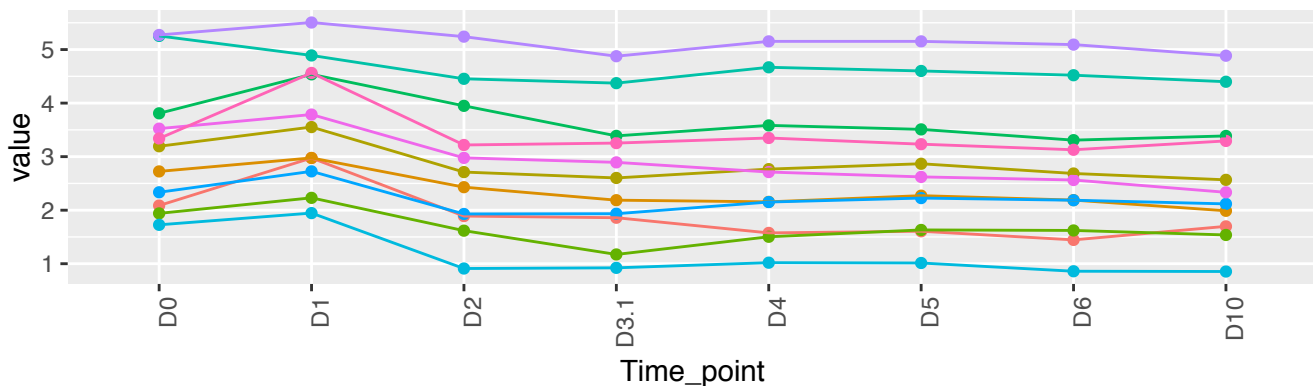
10 genes – KO-cluster-87-original



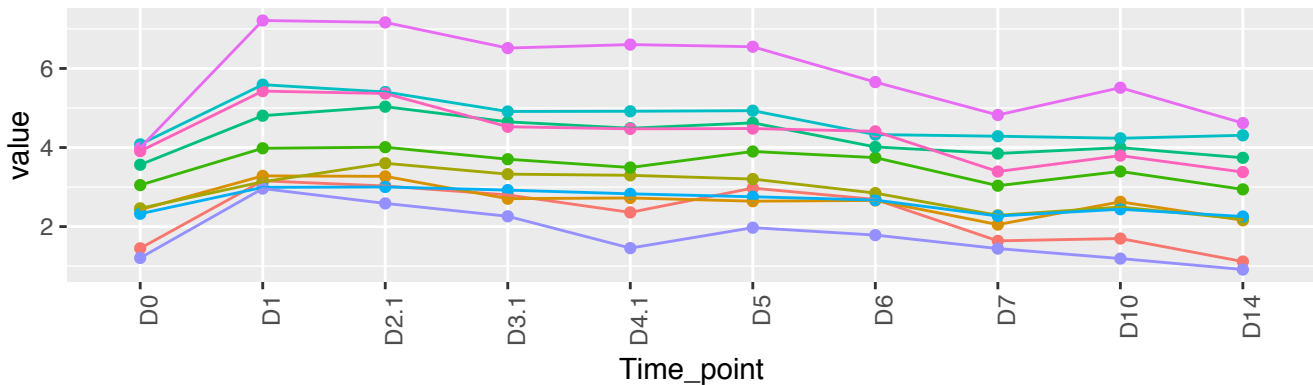
11 genes – WT-cluster-86-original



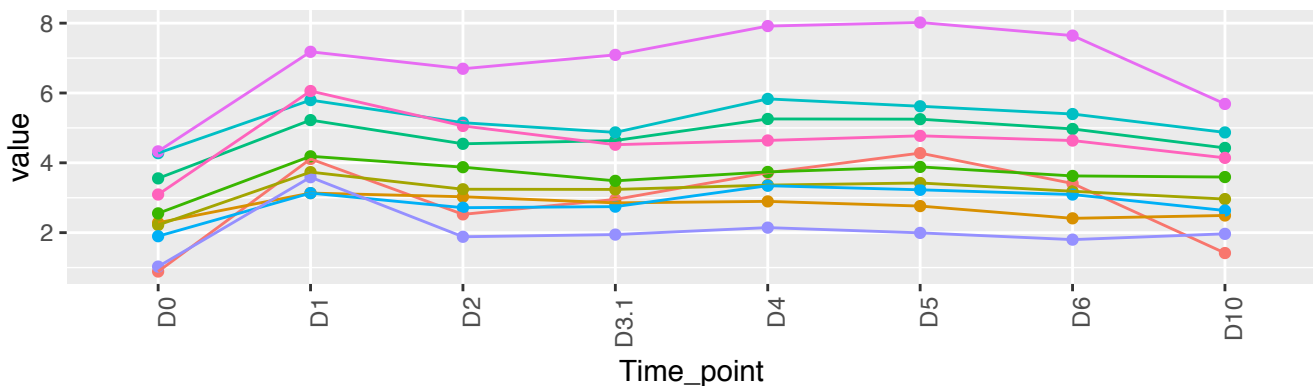
11 genes – KO-cluster-86-original



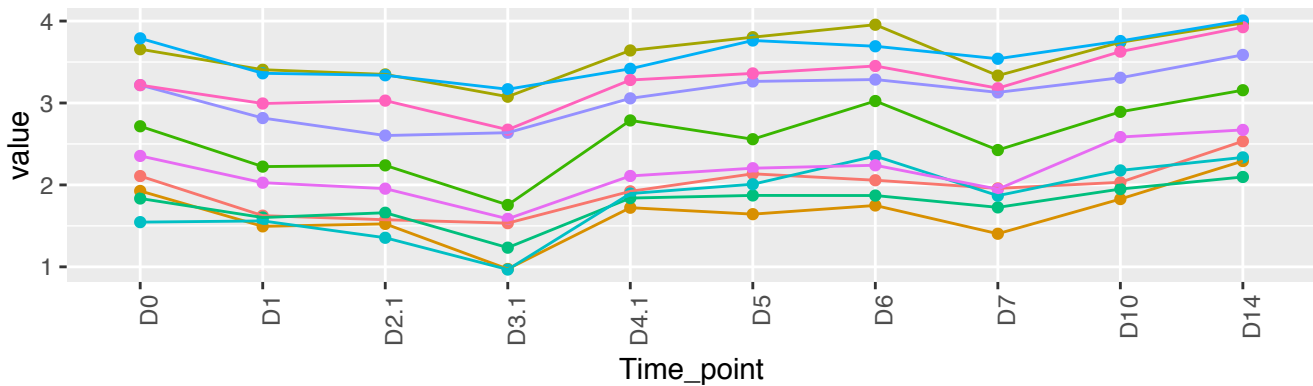
10 genes – WT-cluster-85-original



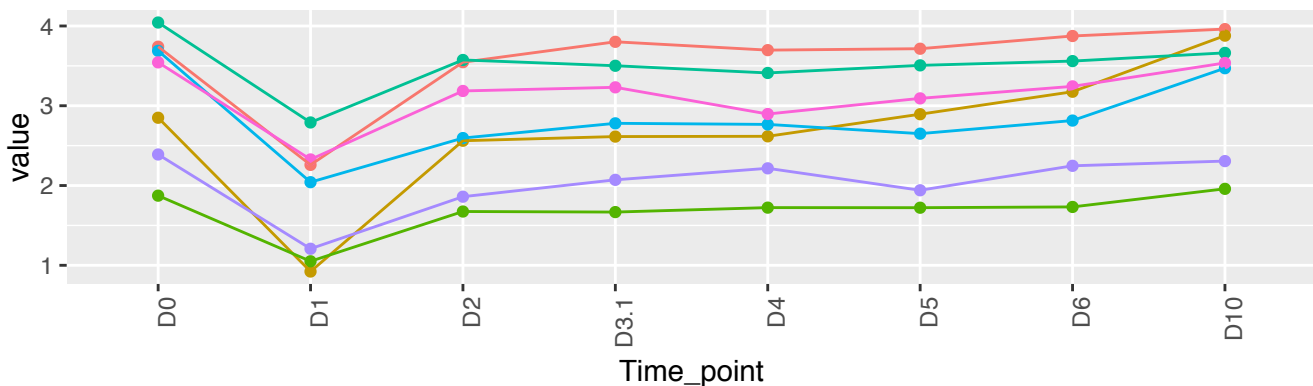
10 genes – KO-cluster-85-original



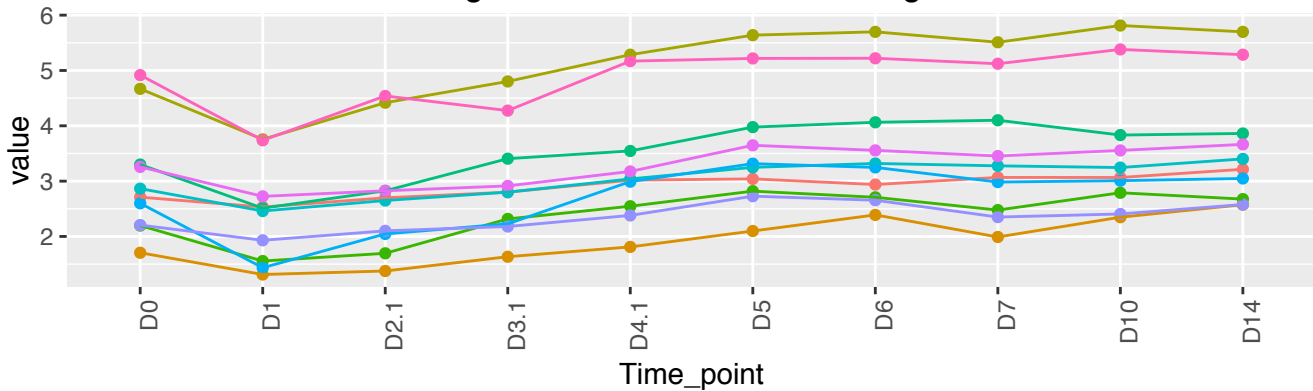
10 genes – WT-cluster-84-original



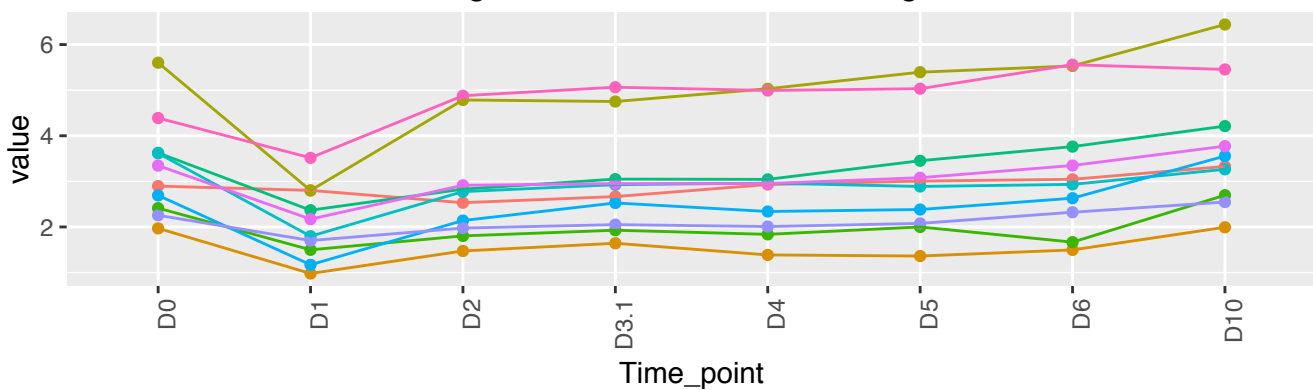
7 genes – KO-cluster-84-original



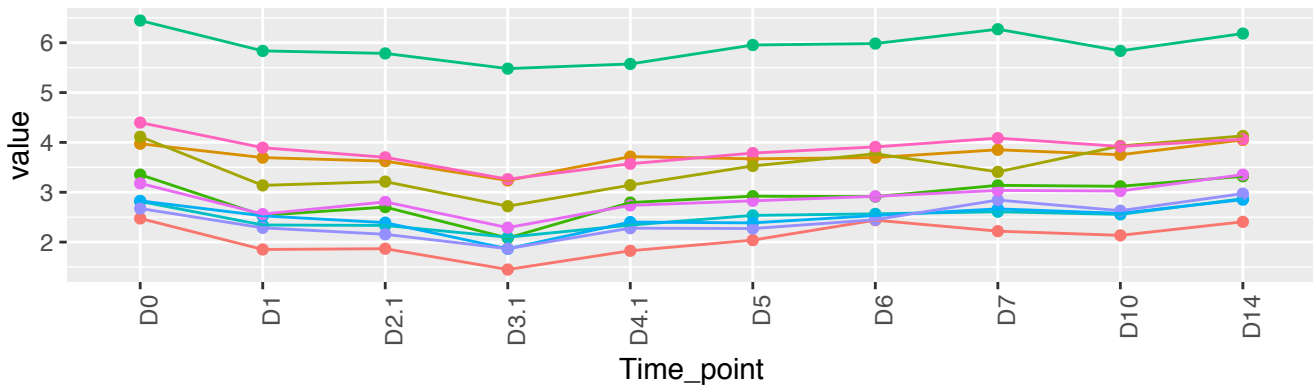
10 genes – WT-cluster-83-original



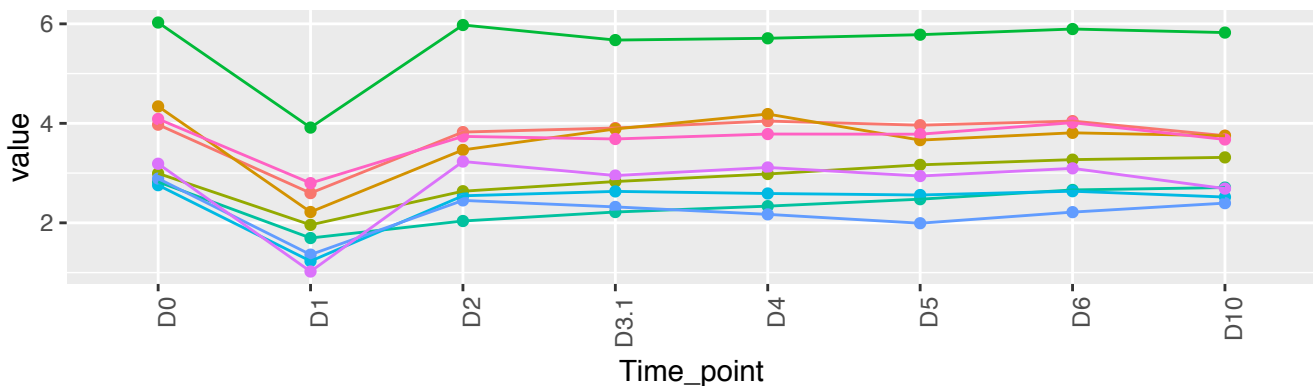
10 genes – KO-cluster-83-original



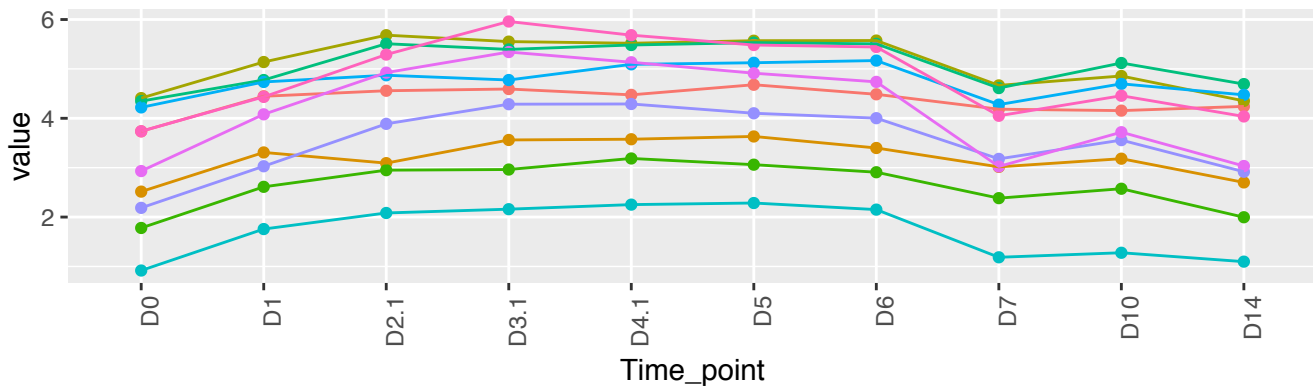
10 genes – WT-cluster-82-original



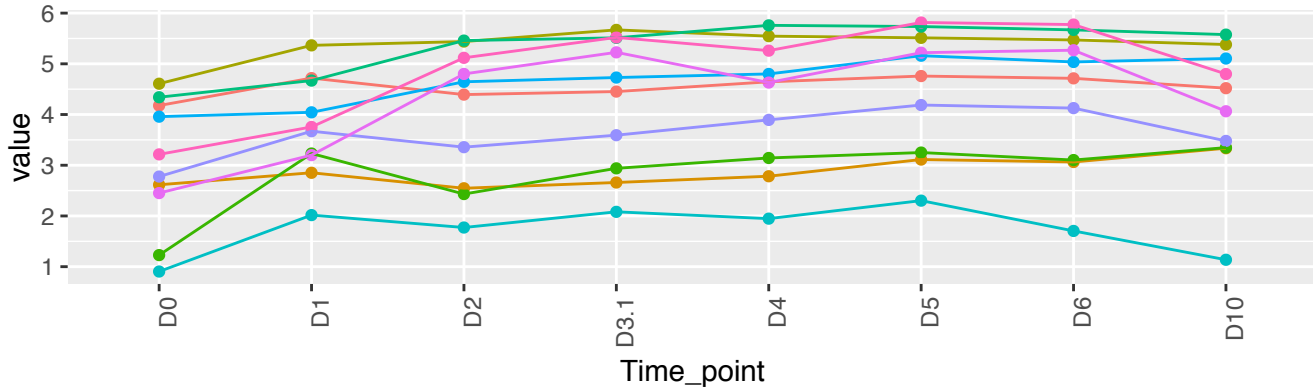
9 genes – KO-cluster-82-original



10 genes – WT-cluster-81-original

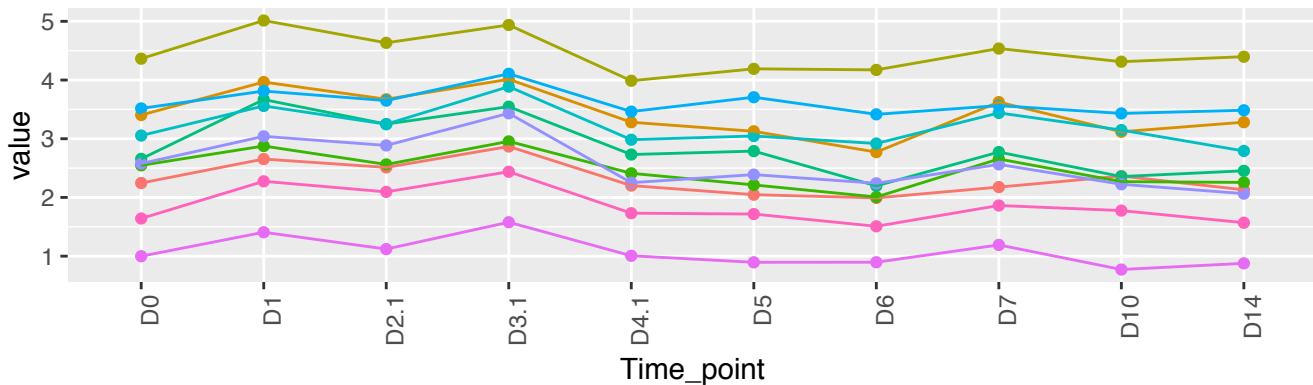


10 genes – KO-cluster-81-original

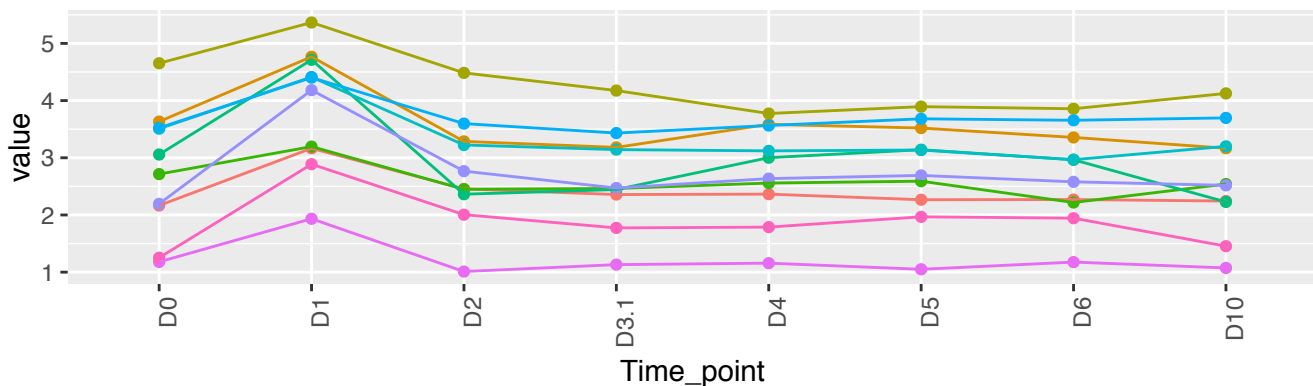




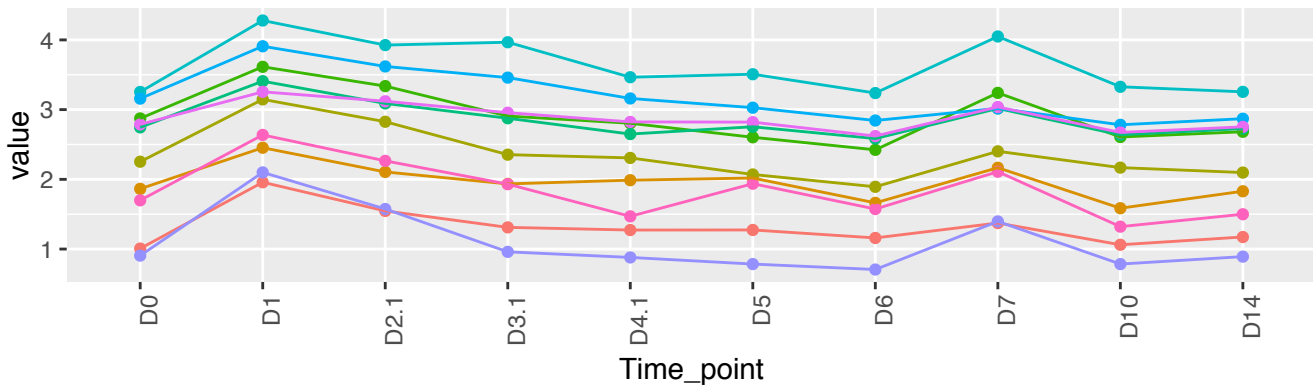
10 genes – WT-cluster-80-original



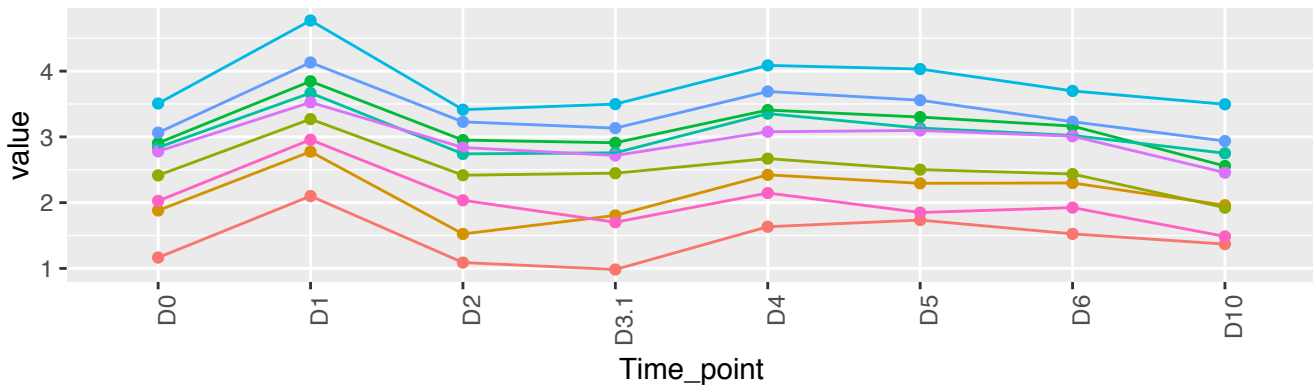
10 genes – KO-cluster-80-original



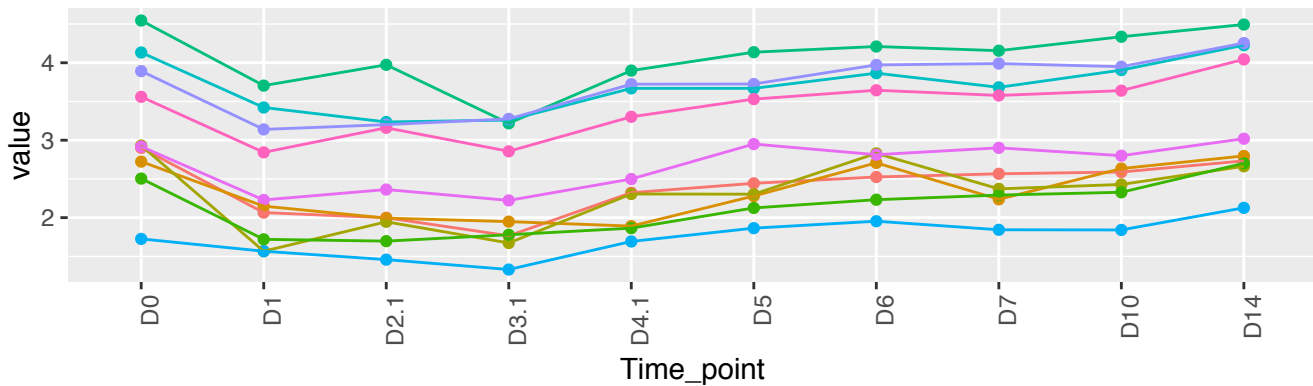
10 genes – WT-cluster-79-original



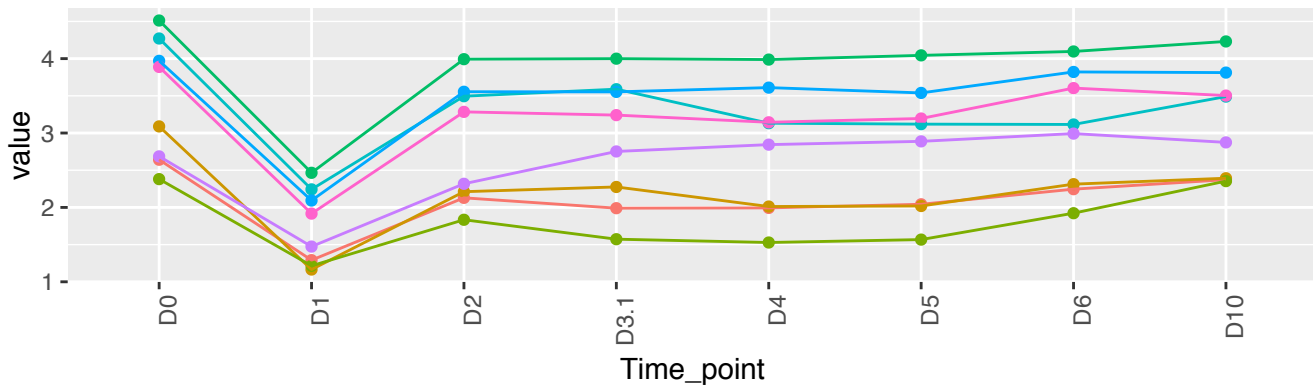
9 genes – KO-cluster-79-original



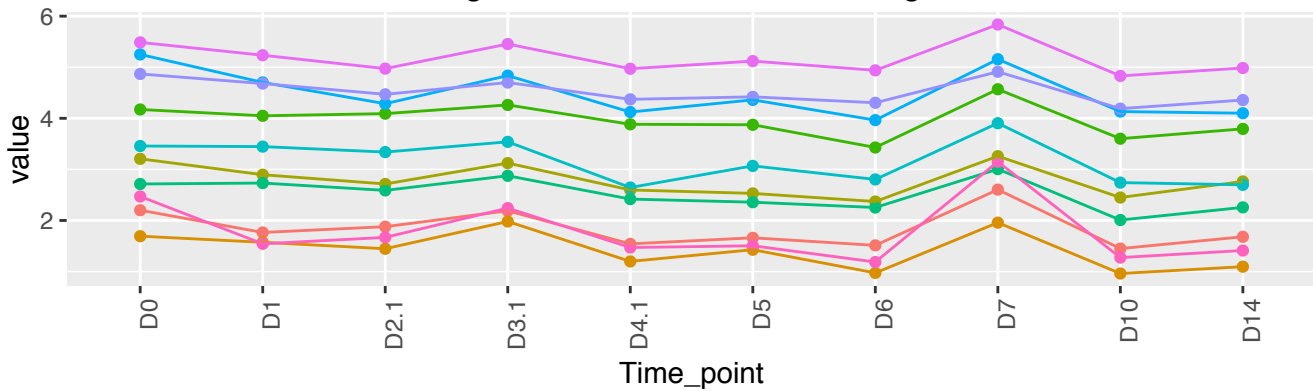
10 genes – WT-cluster-78-original



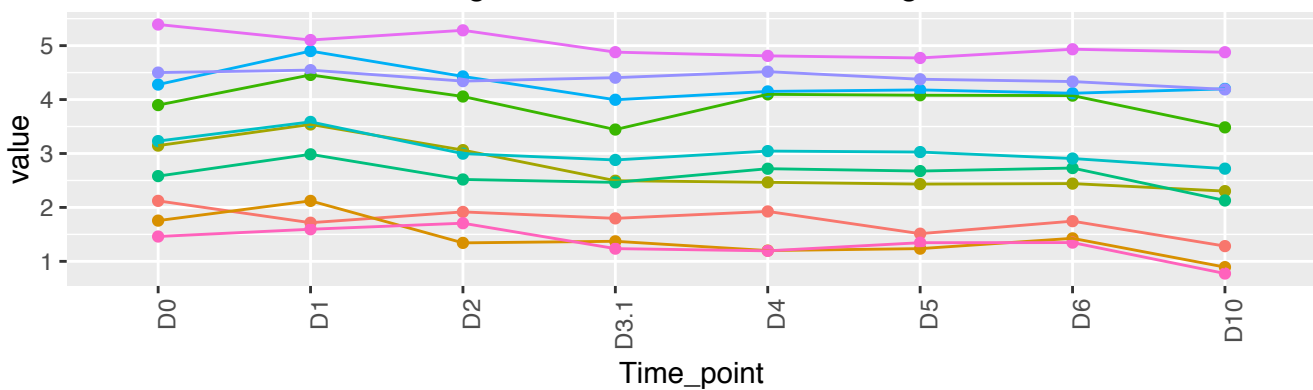
8 genes – KO-cluster-78-original



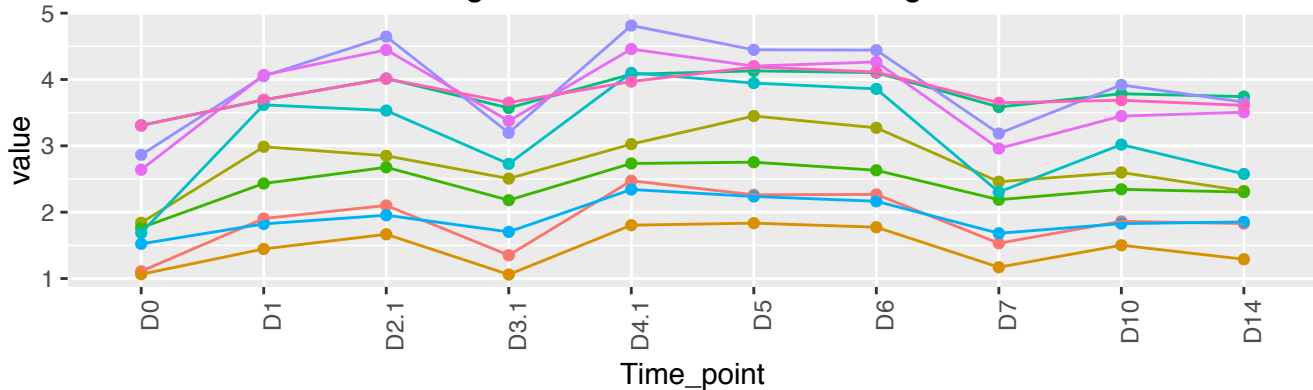
10 genes – WT-cluster-77-original



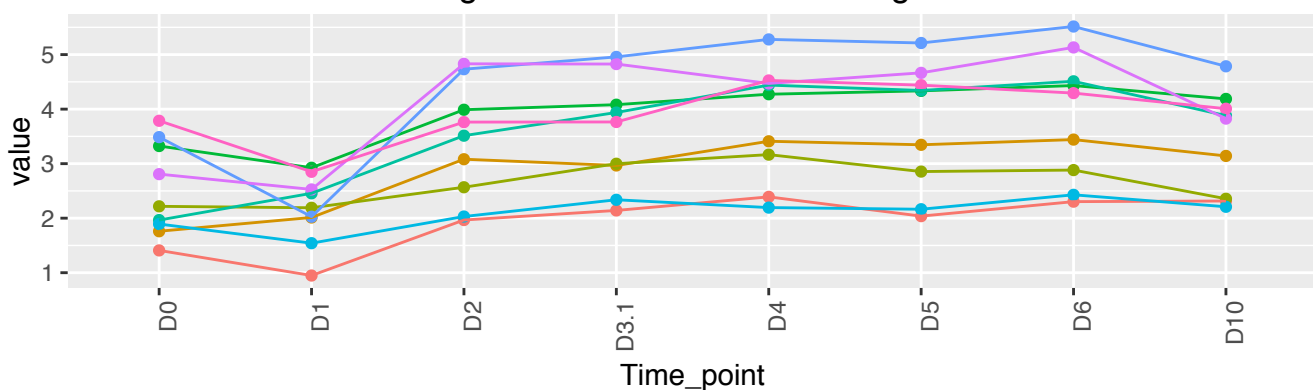
10 genes – KO-cluster-77-original



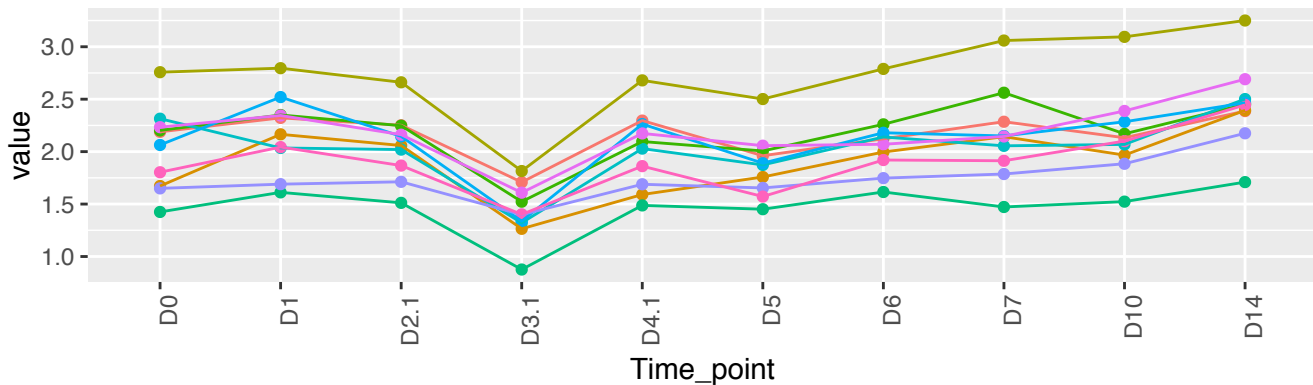
10 genes – WT-cluster-76-original



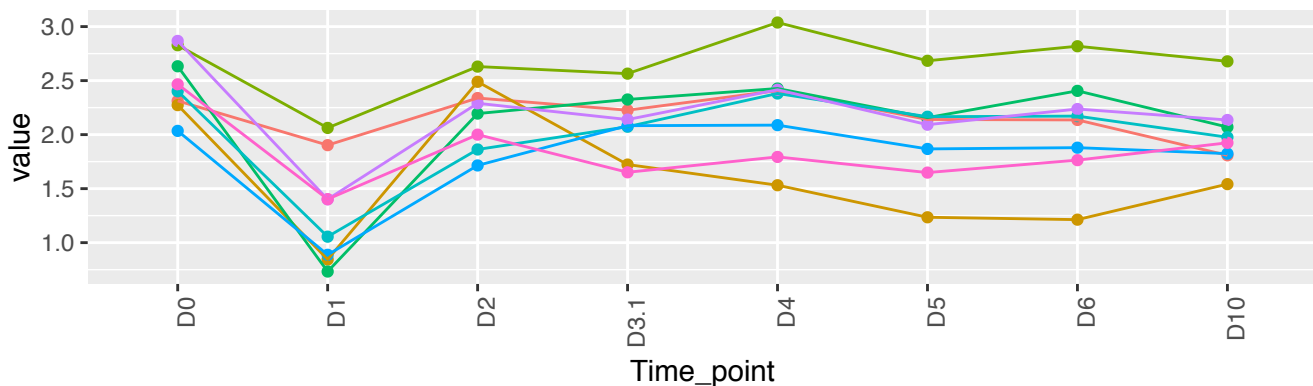
9 genes – KO-cluster-76-original



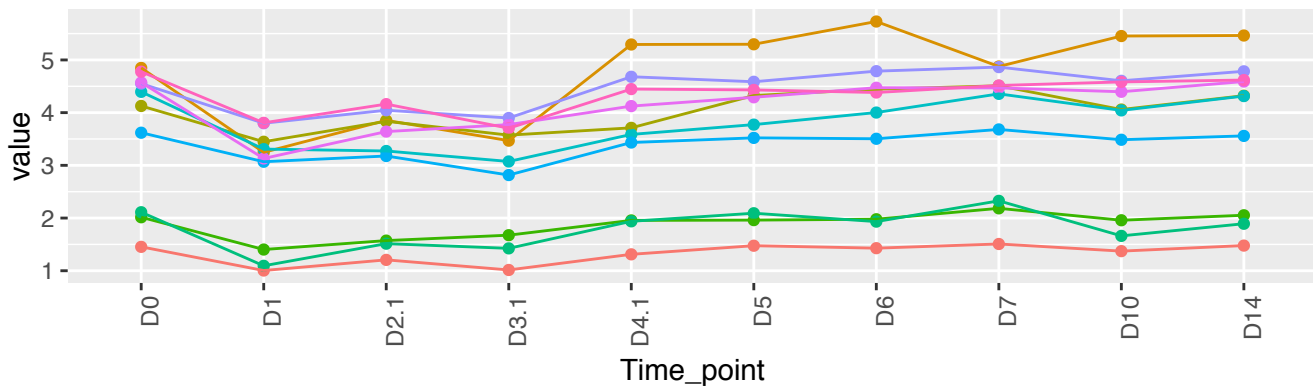
10 genes – WT-cluster-75-original



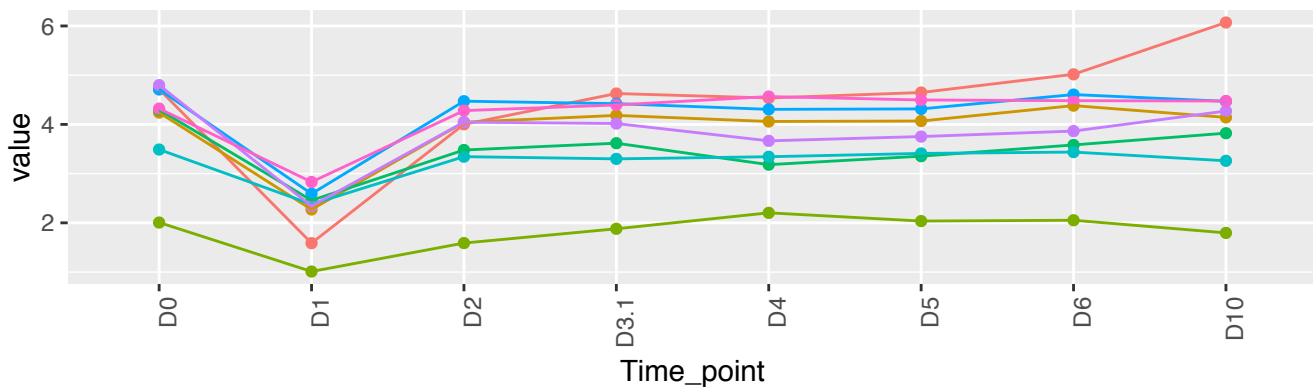
8 genes – KO-cluster-75-original



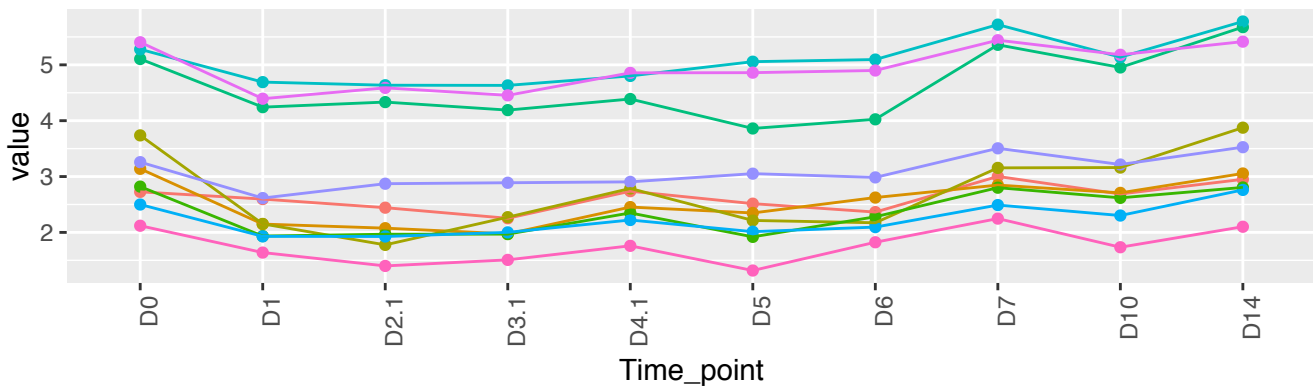
10 genes – WT-cluster-74-original



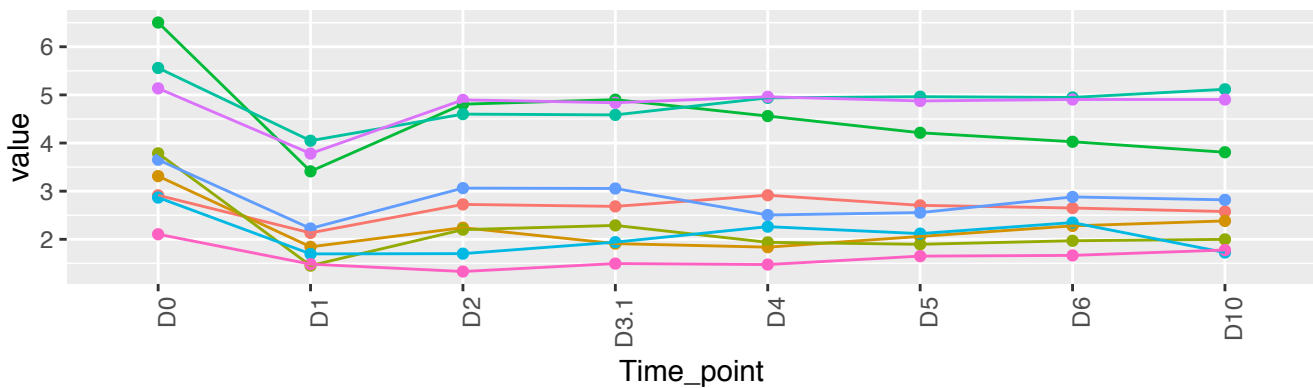
8 genes – KO-cluster-74-original



10 genes – WT-cluster-73-original

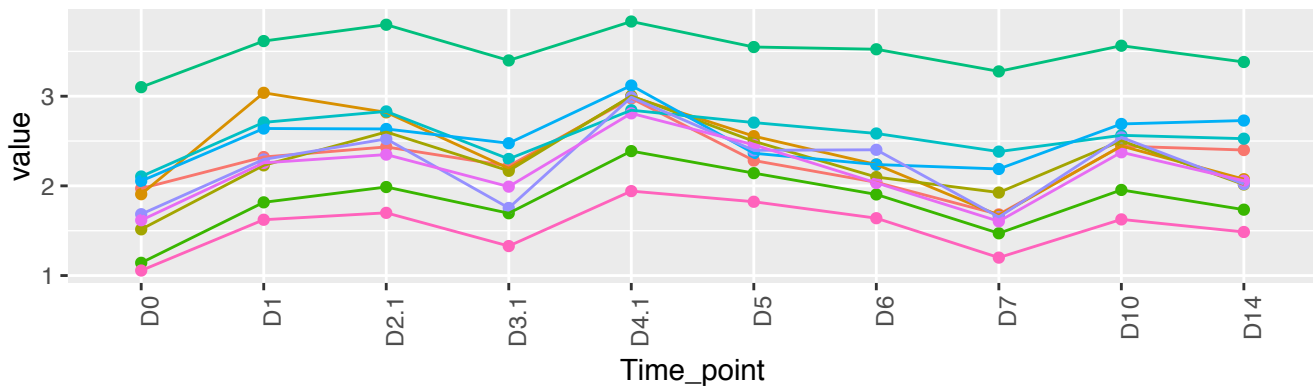


9 genes – KO-cluster-73-original

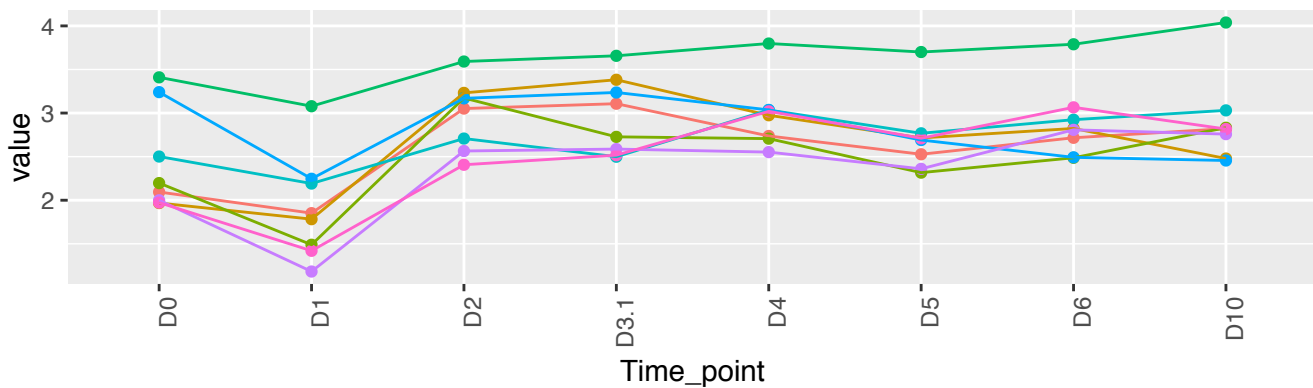




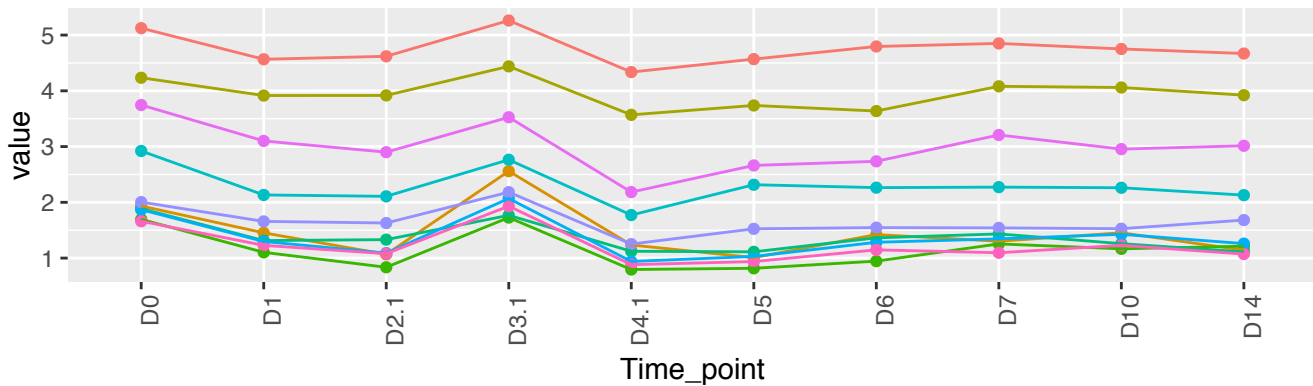
10 genes – WT-cluster-72-original



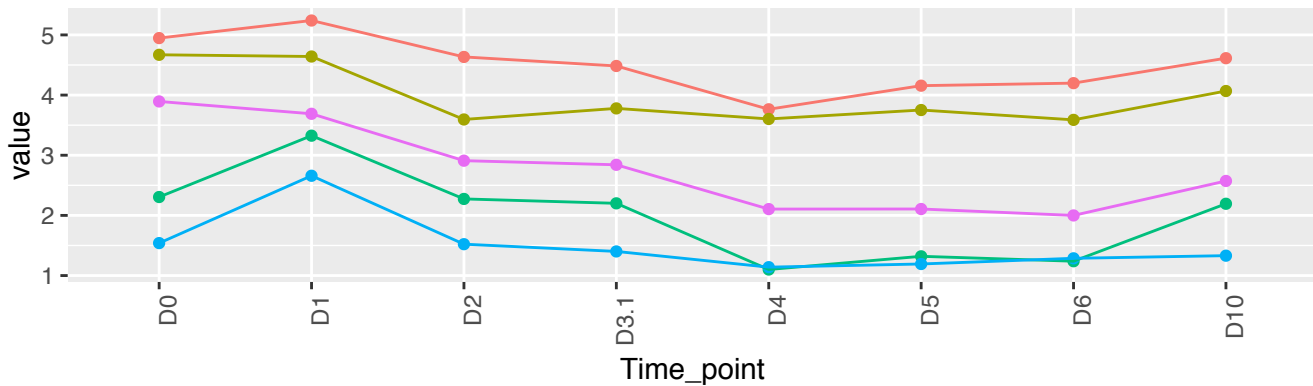
8 genes – KO-cluster-72-original



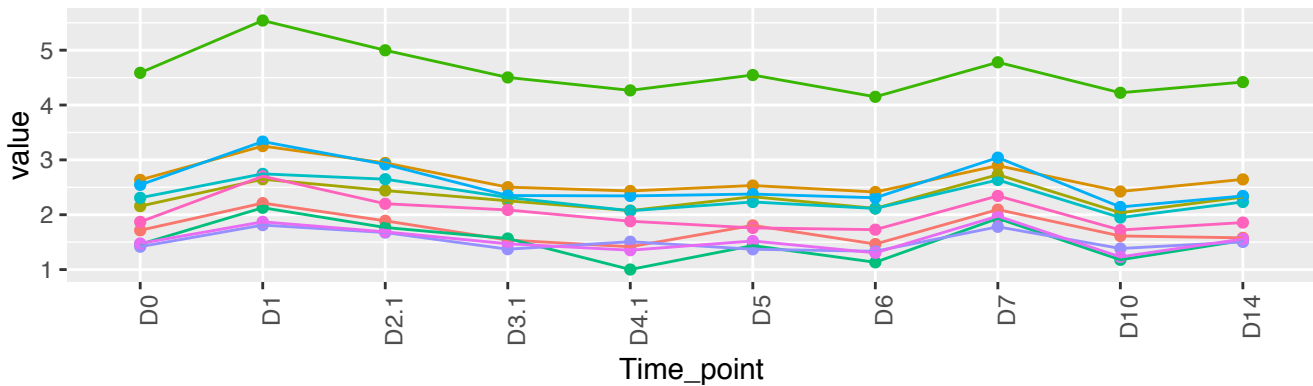
10 genes – WT-cluster-71-original



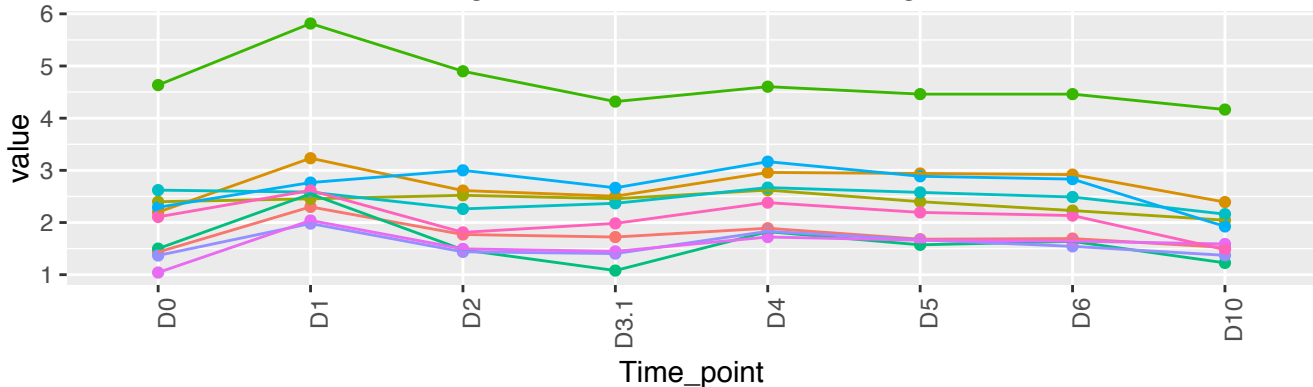
5 genes – KO-cluster-71-original



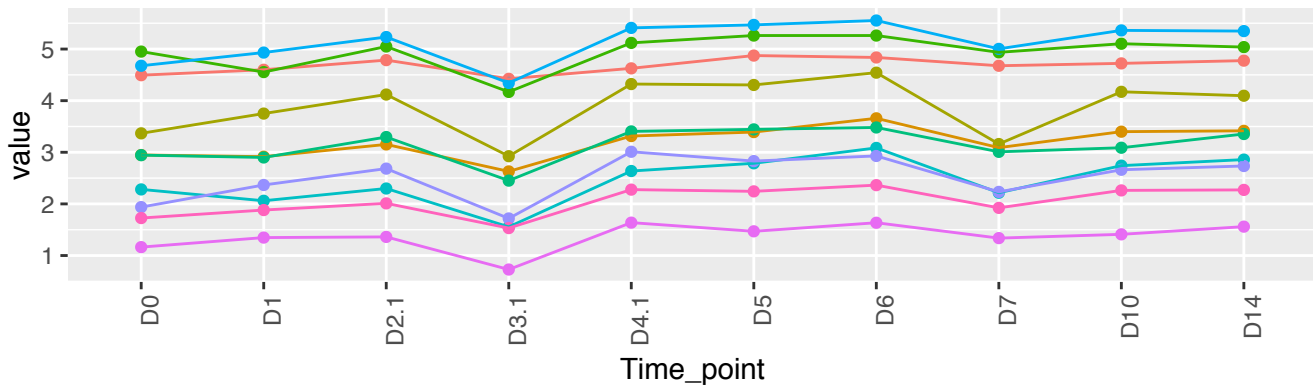
10 genes – WT-cluster-70-original



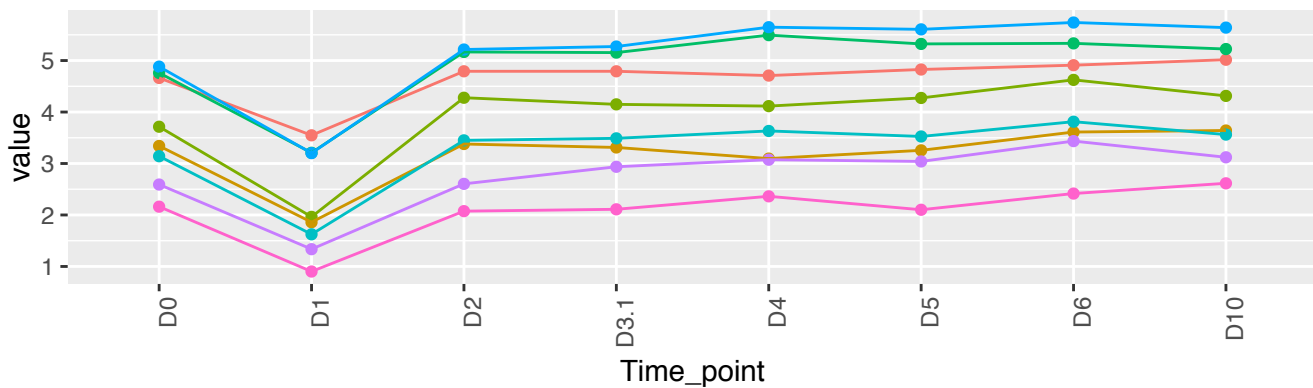
10 genes – KO-cluster-70-original



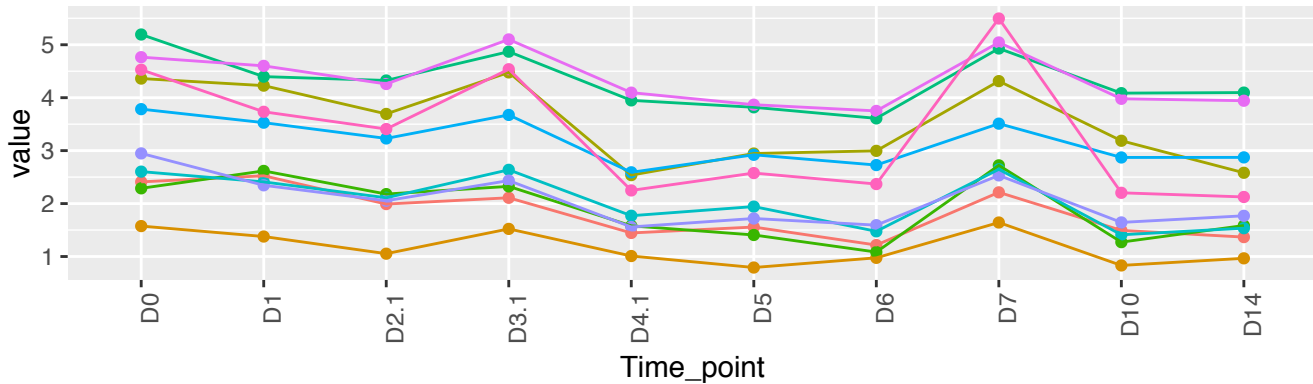
10 genes – WT-cluster-69-original



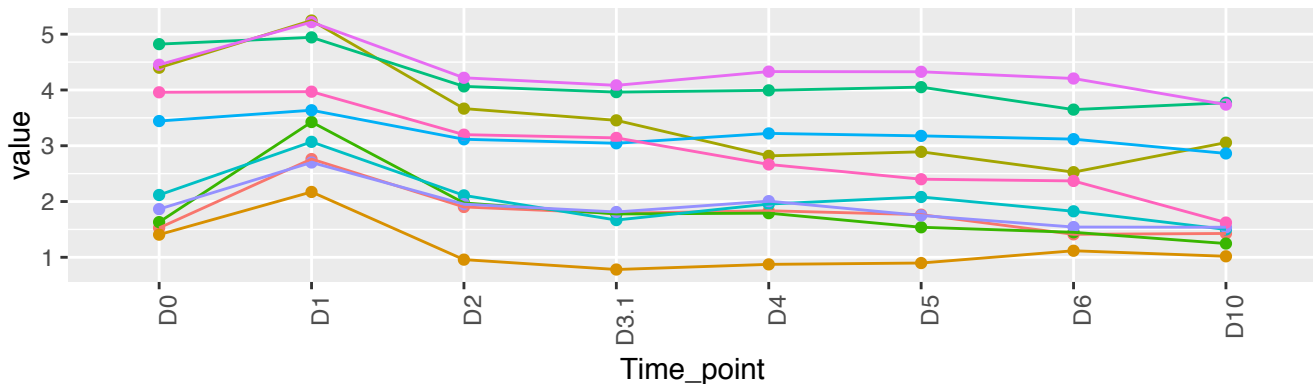
8 genes – KO-cluster-69-original



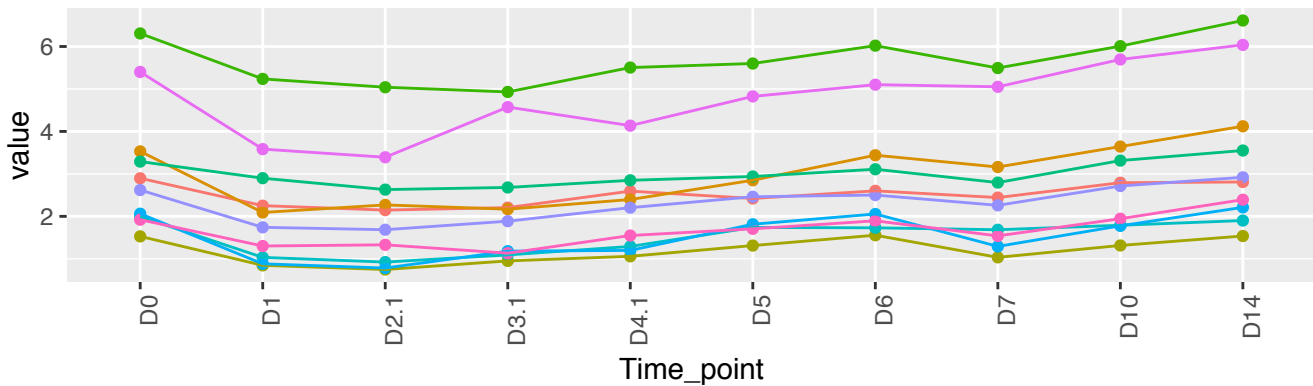
10 genes – WT-cluster-68-original



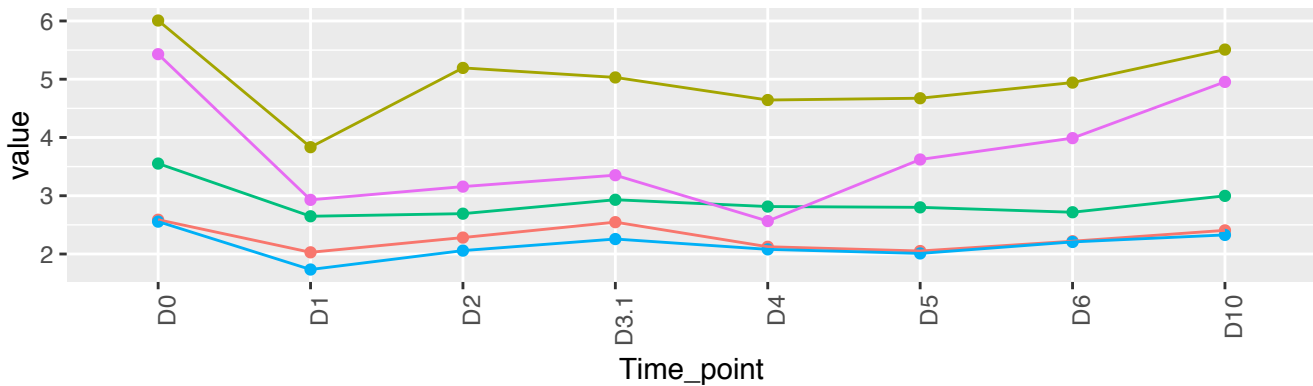
10 genes – KO-cluster-68-original



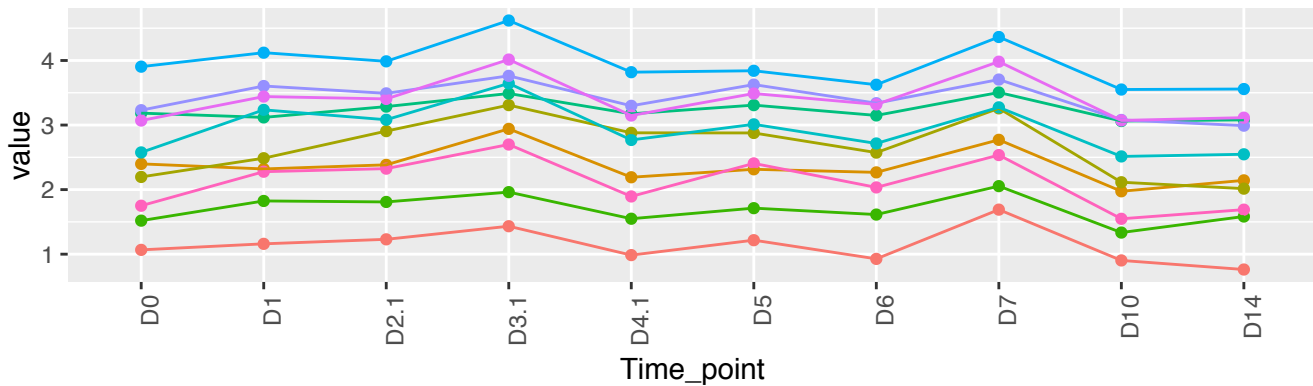
10 genes – WT-cluster-67-original



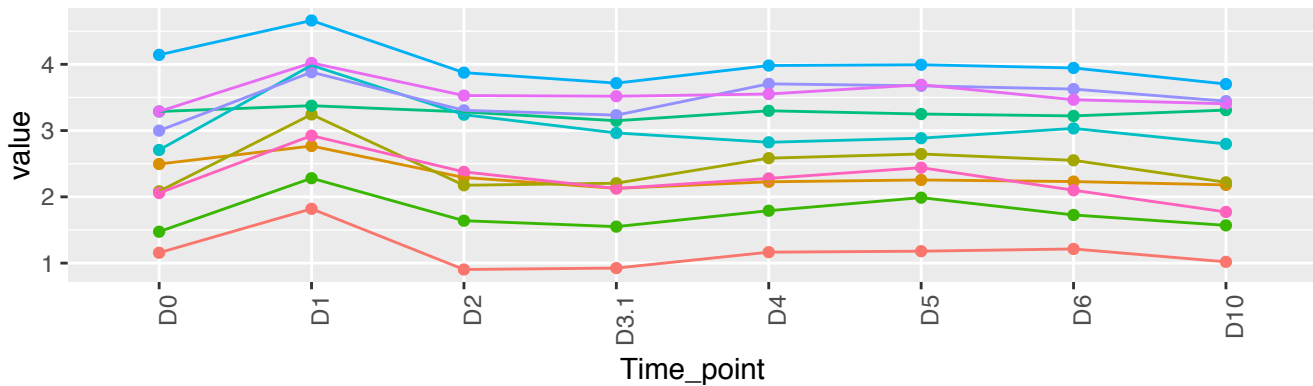
5 genes – KO-cluster-67-original



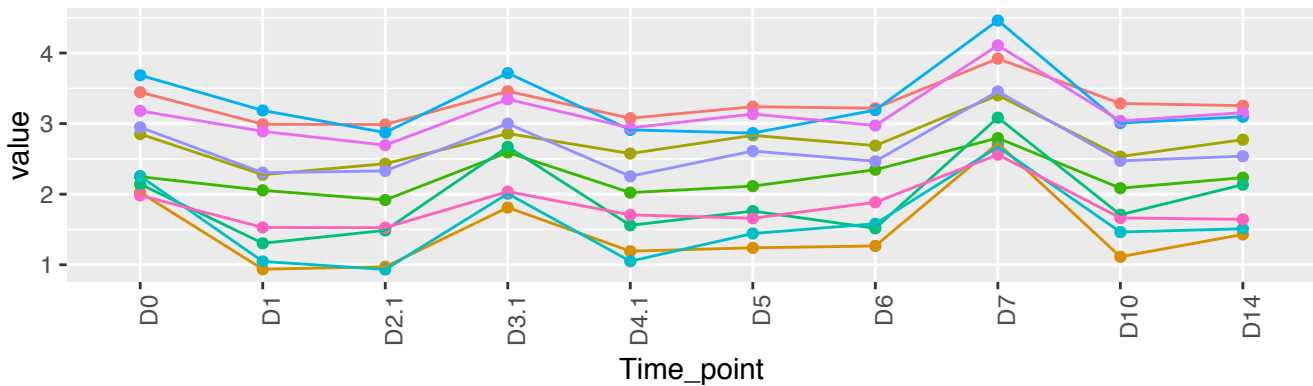
10 genes – WT-cluster-66-original



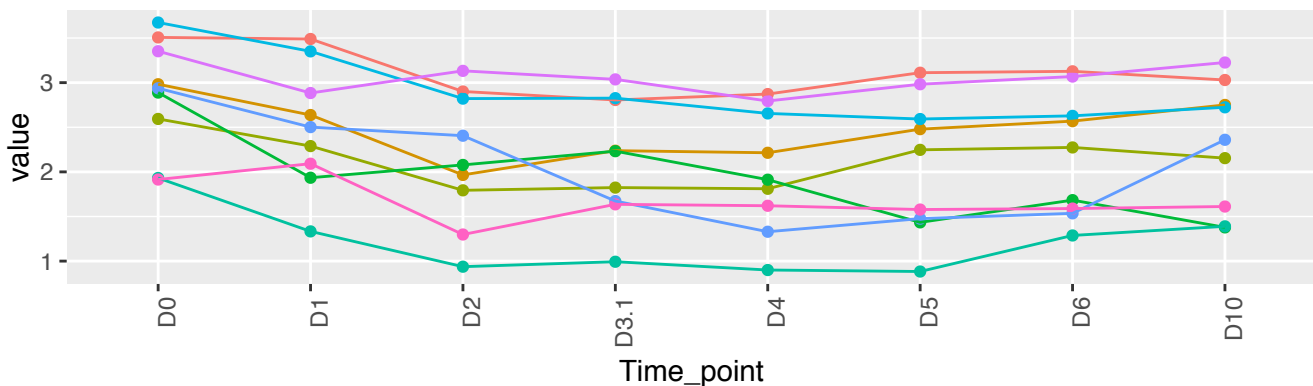
10 genes – KO-cluster-66-original



10 genes – WT-cluster-65-original

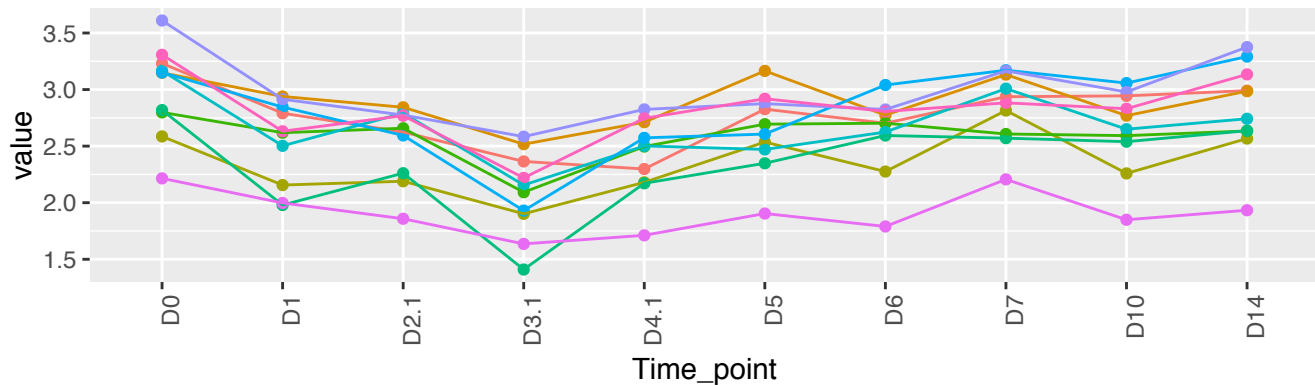


9 genes – KO-cluster-65-original

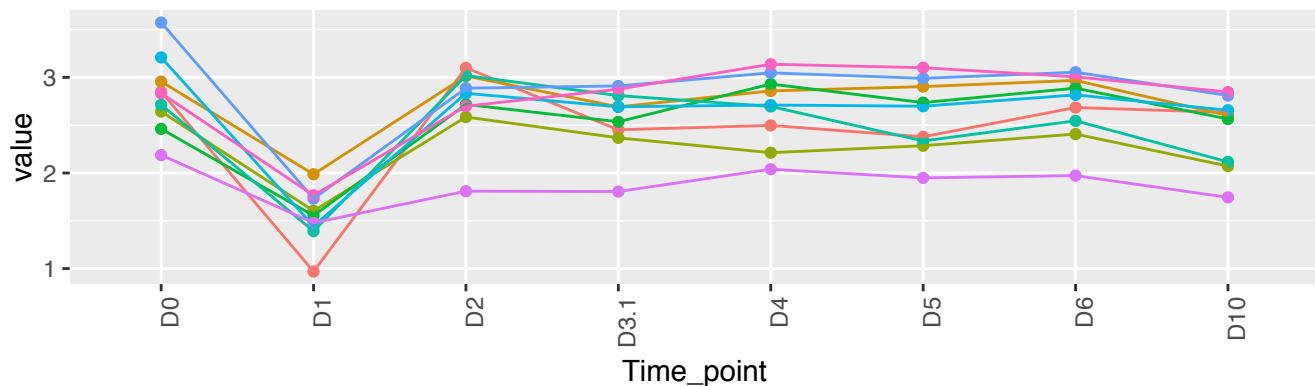




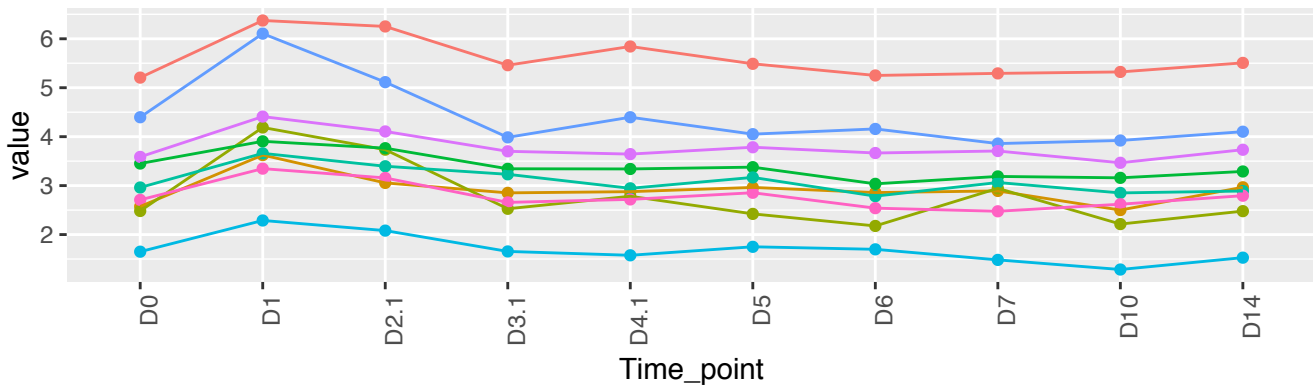
10 genes – WT-cluster-64-original



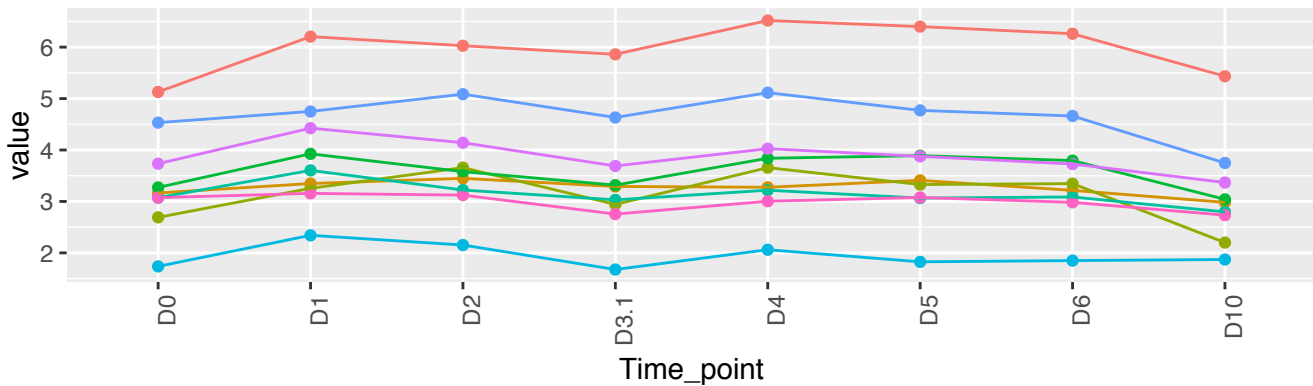
9 genes – KO-cluster-64-original



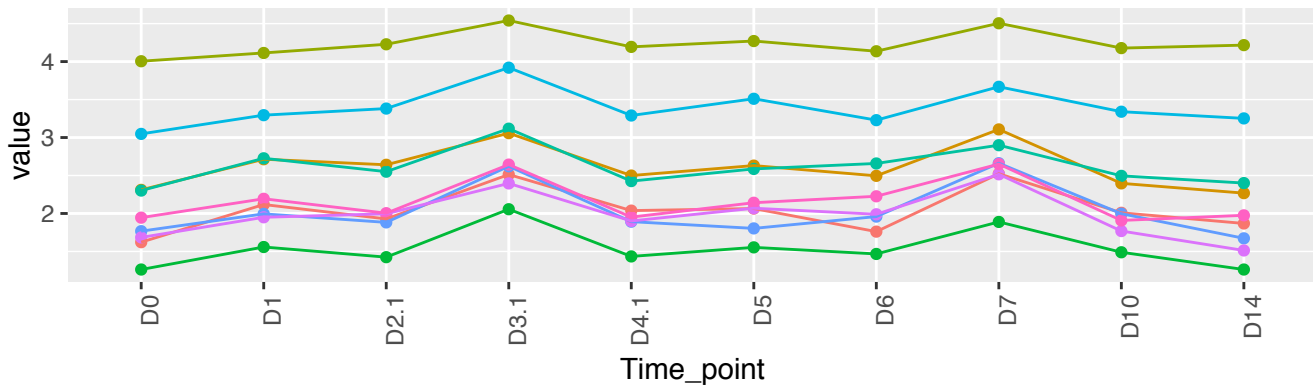
9 genes – WT-cluster-63-original



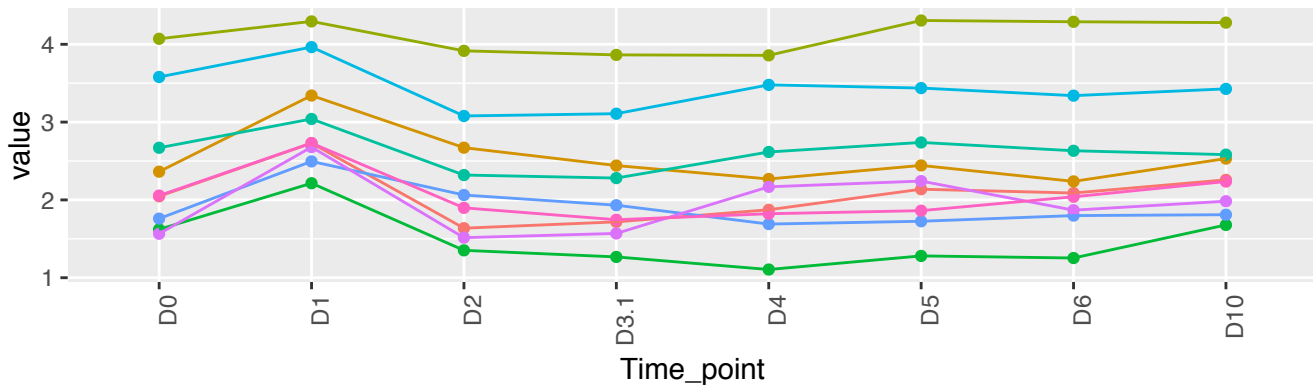
9 genes – KO-cluster-63-original



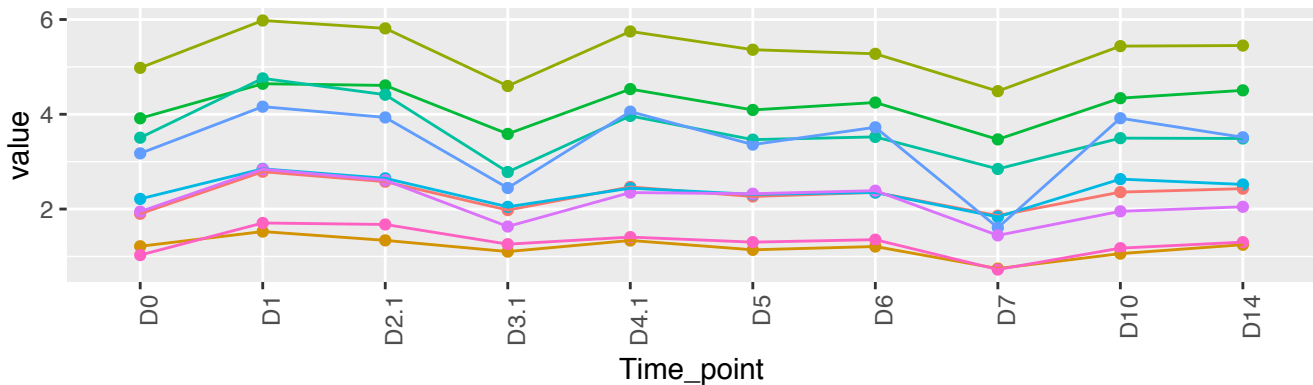
9 genes – WT-cluster-62-original



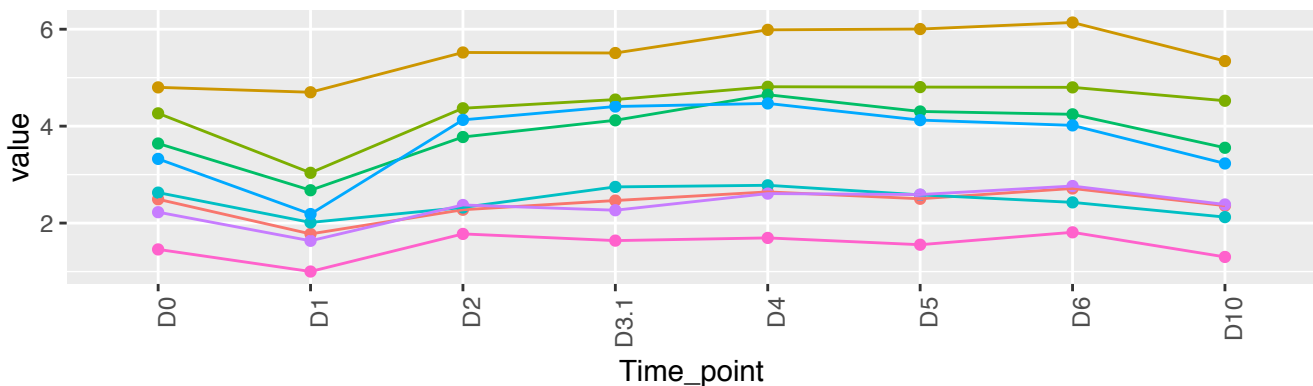
9 genes – KO-cluster-62-original



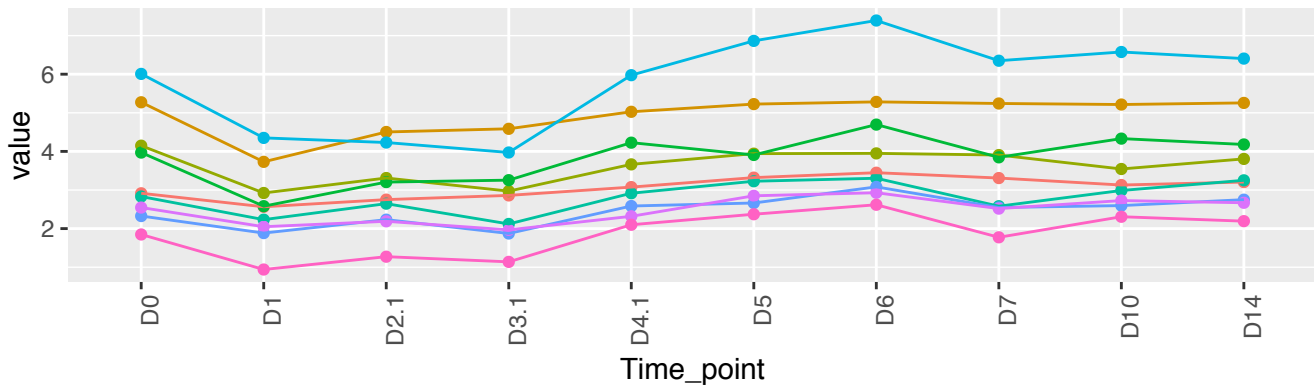
9 genes – WT-cluster-61-original



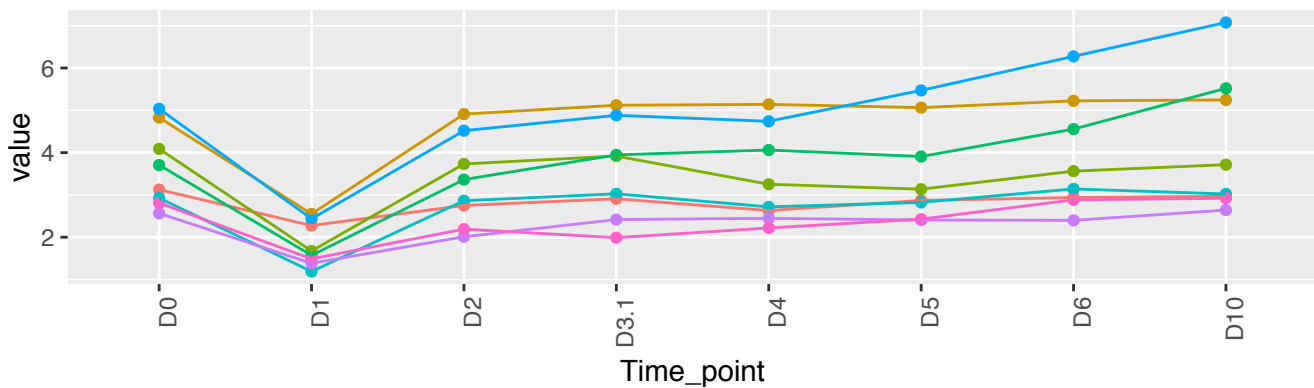
8 genes – KO-cluster-61-original



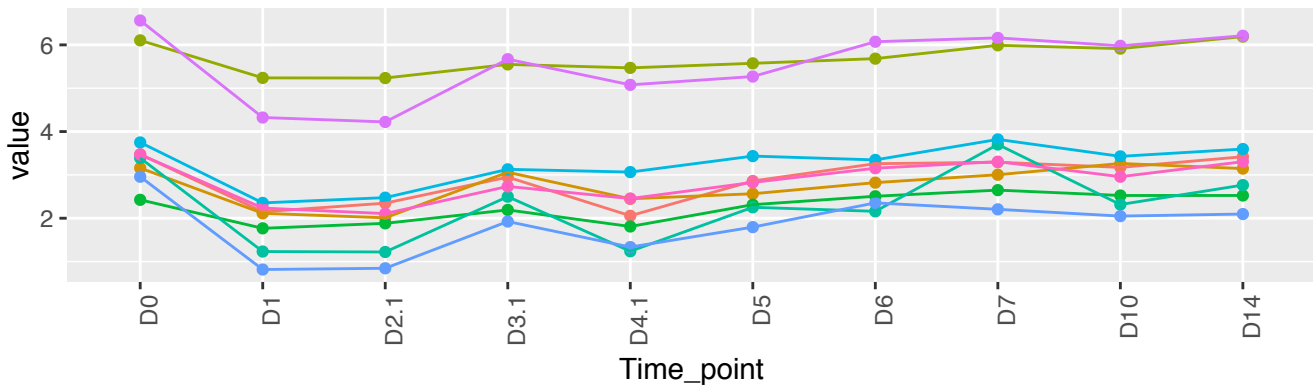
9 genes – WT-cluster-60-original



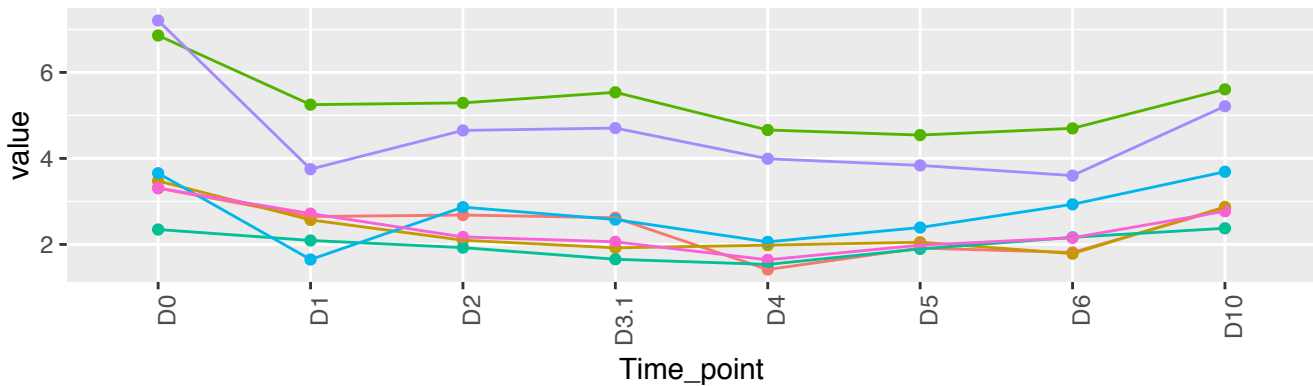
8 genes – KO-cluster-60-original



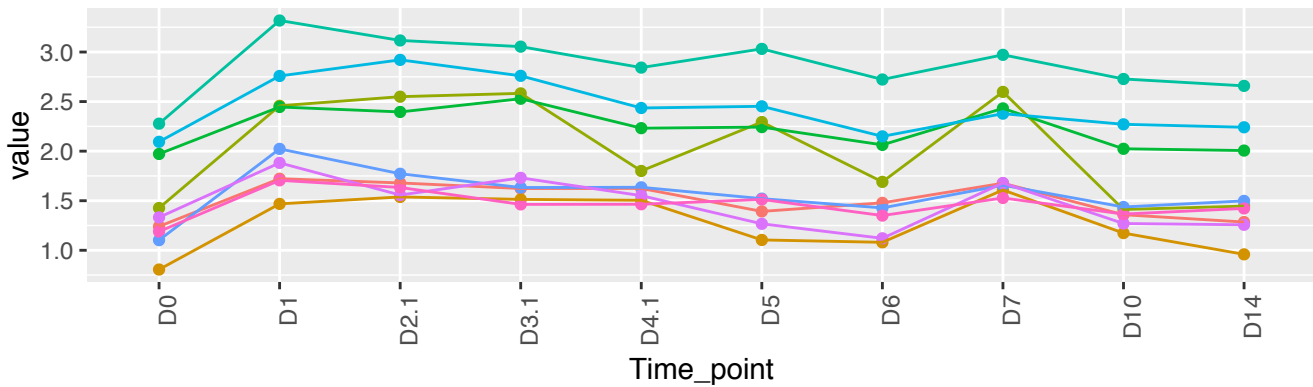
9 genes – WT-cluster-59-original



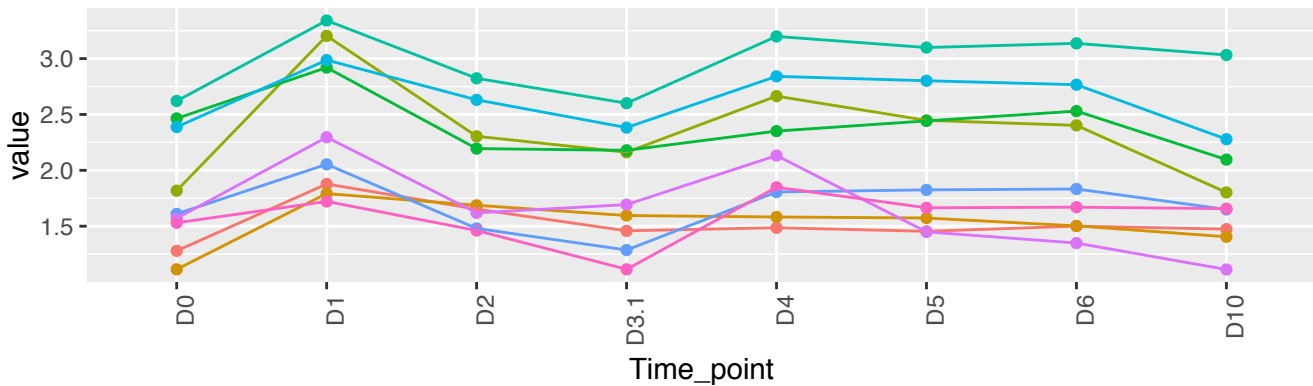
7 genes – KO-cluster-59-original



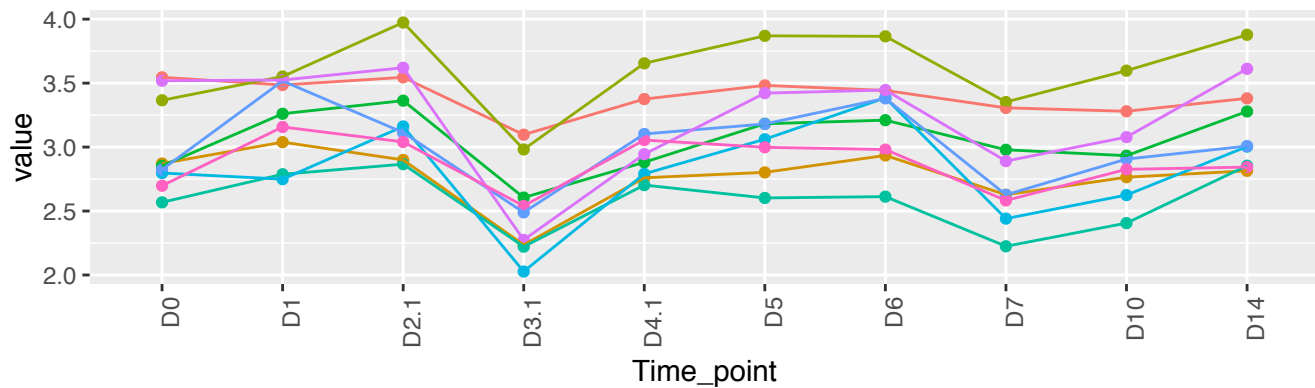
9 genes – WT-cluster-58-original



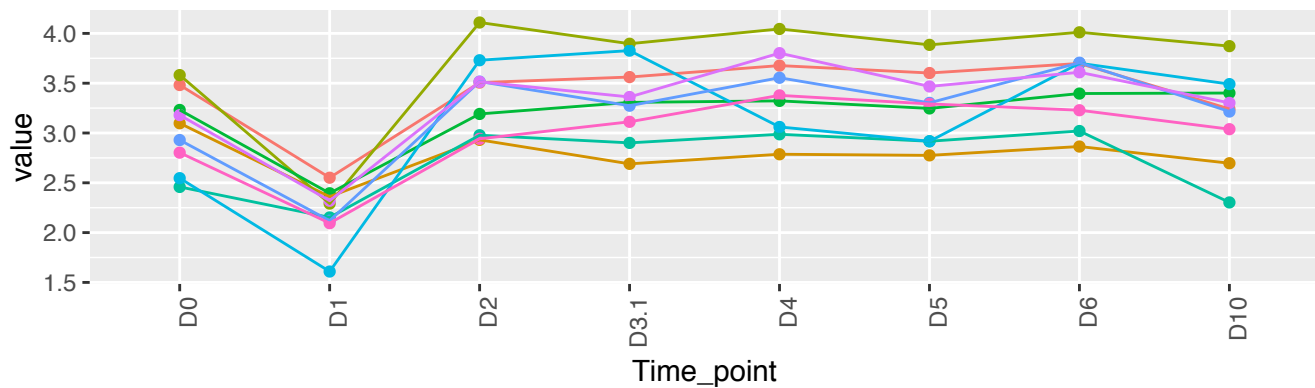
9 genes – KO-cluster-58-original



9 genes – WT-cluster-57-original

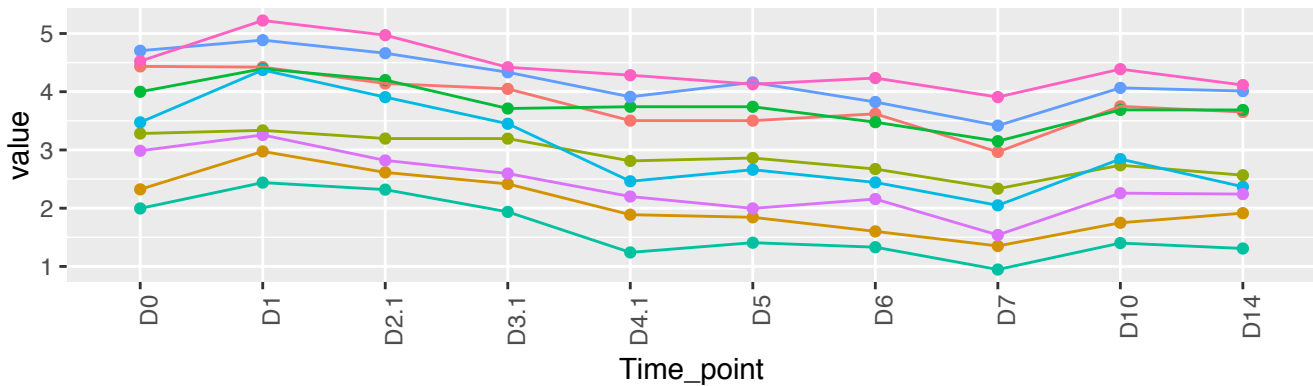


9 genes – KO-cluster-57-original

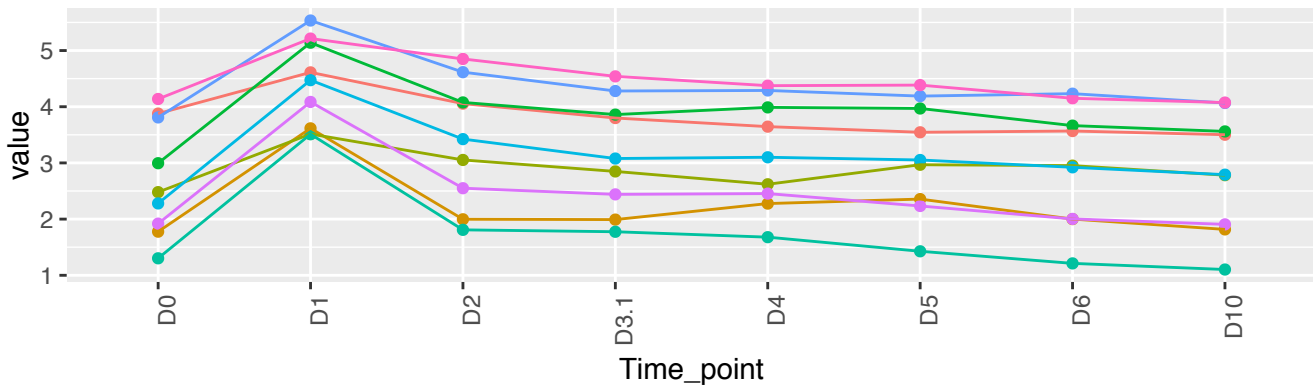




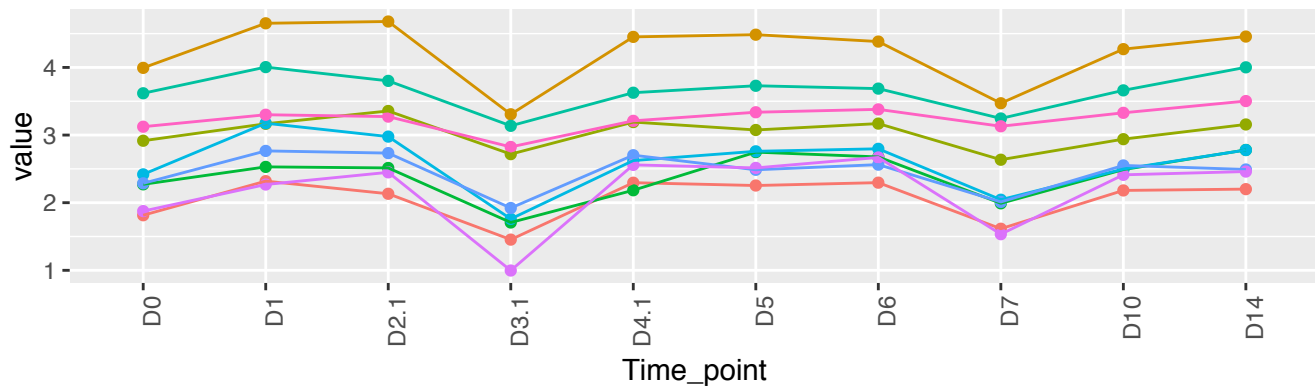
9 genes – WT-cluster-56-original



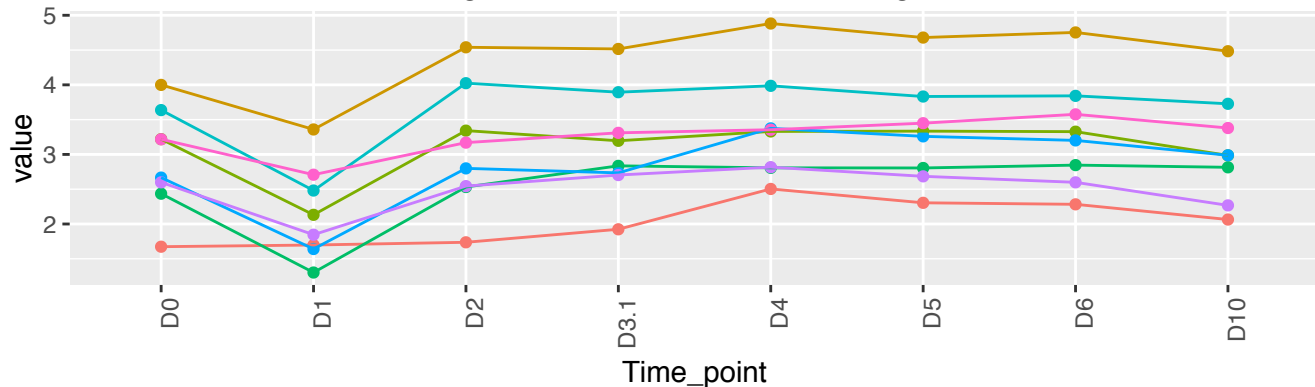
9 genes – KO-cluster-56-original



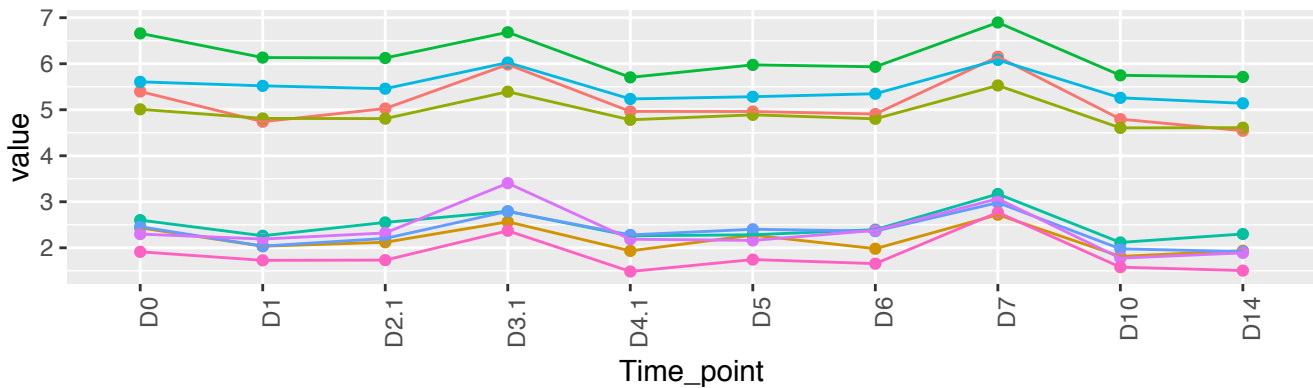
9 genes – WT-cluster-55-original



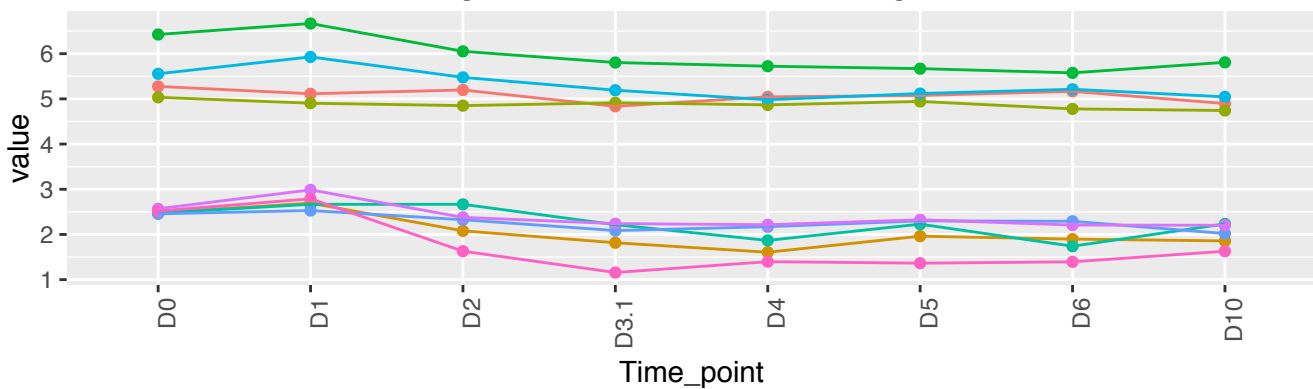
8 genes – KO-cluster-55-original



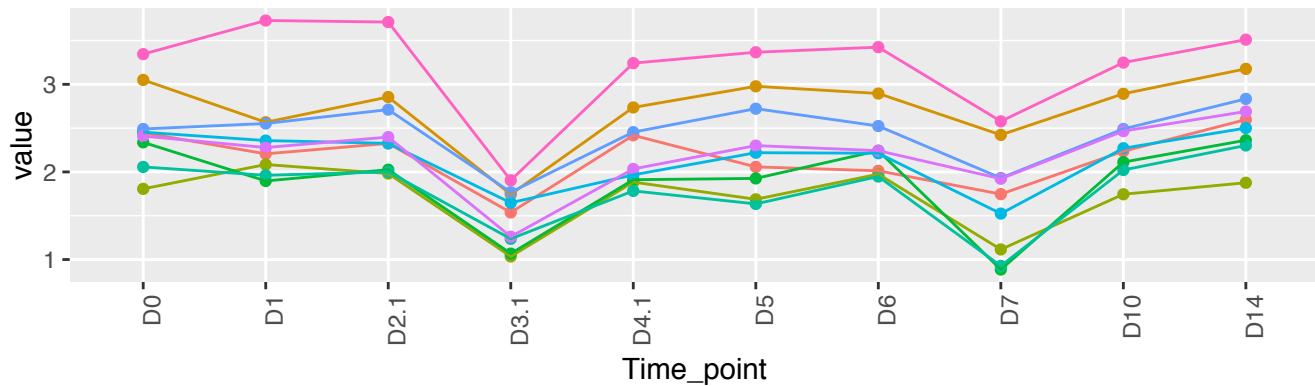
9 genes – WT-cluster-54-original



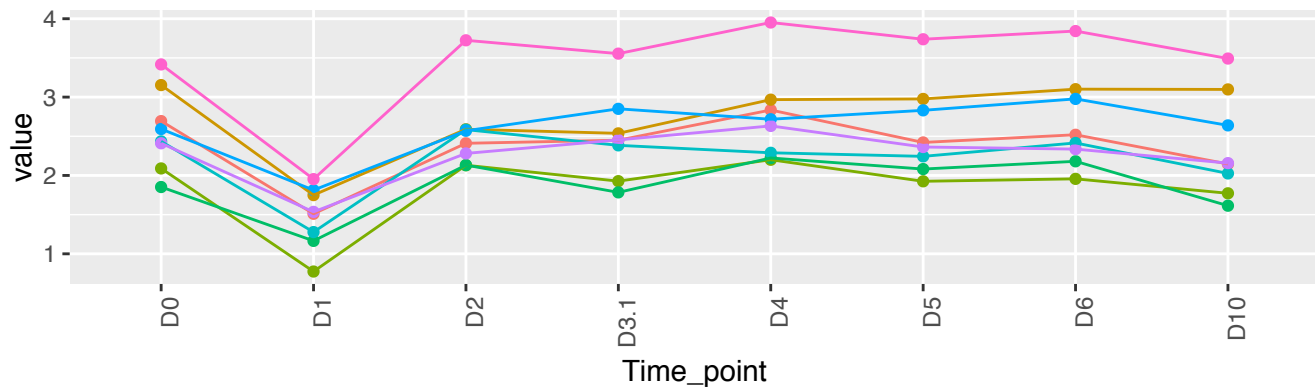
9 genes – KO-cluster-54-original



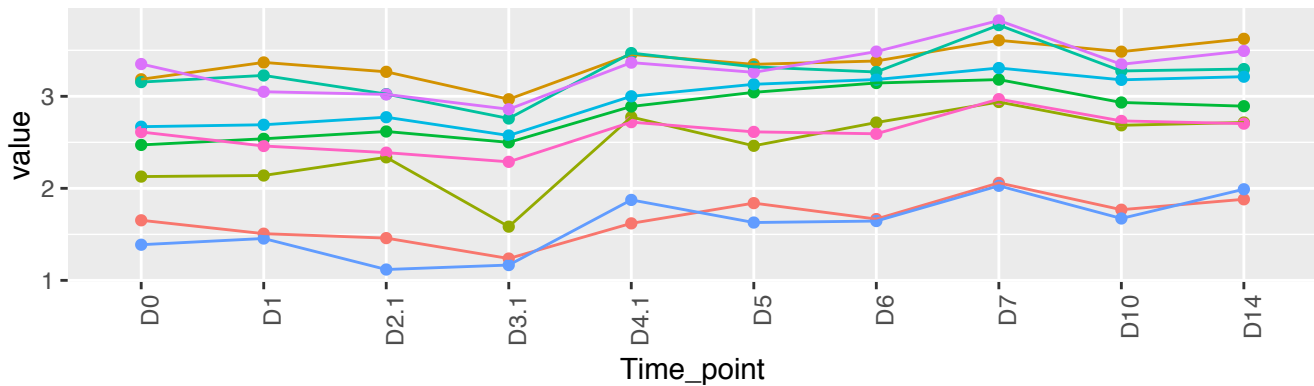
9 genes – WT-cluster-53-original



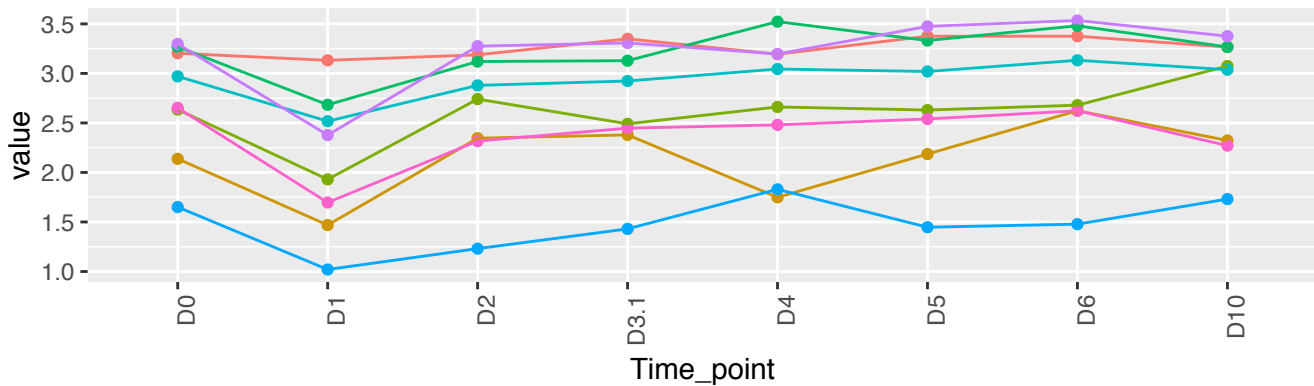
8 genes – KO-cluster-53-original



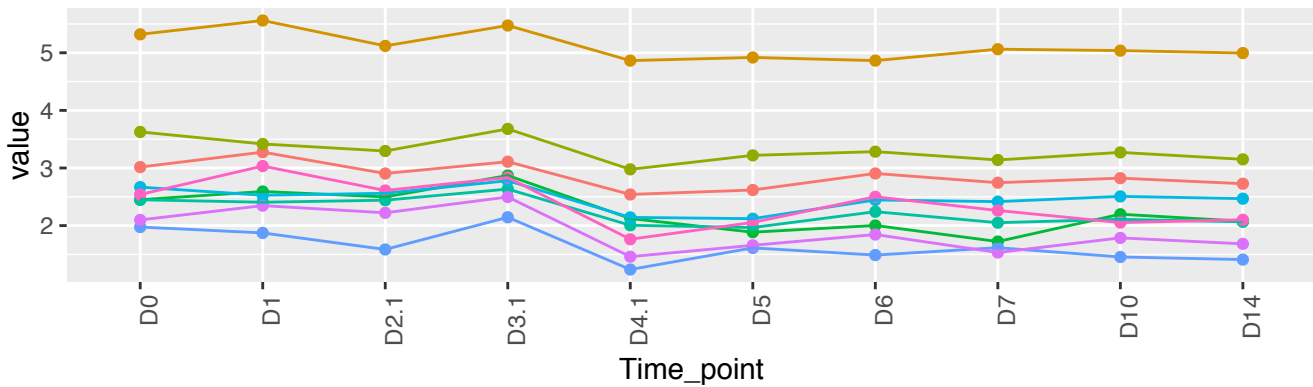
9 genes – WT-cluster-52-original



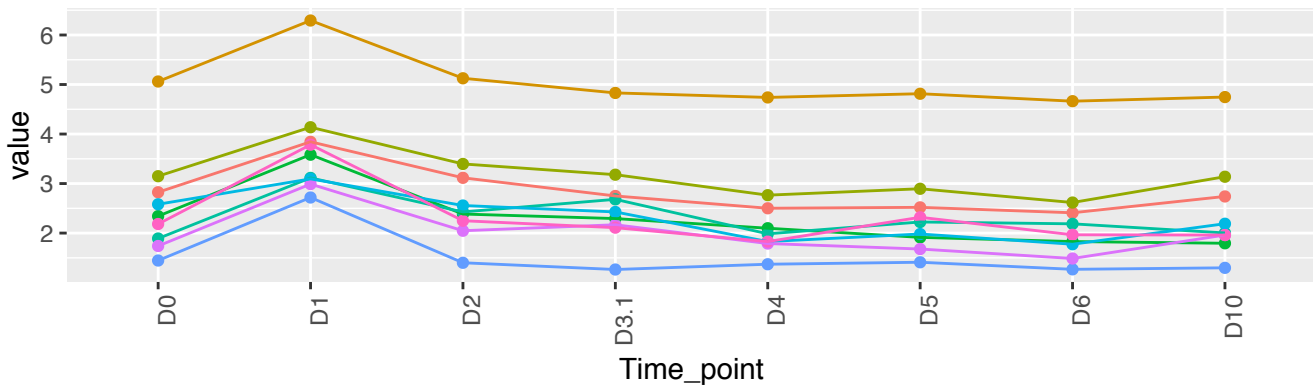
8 genes – KO-cluster-52-original



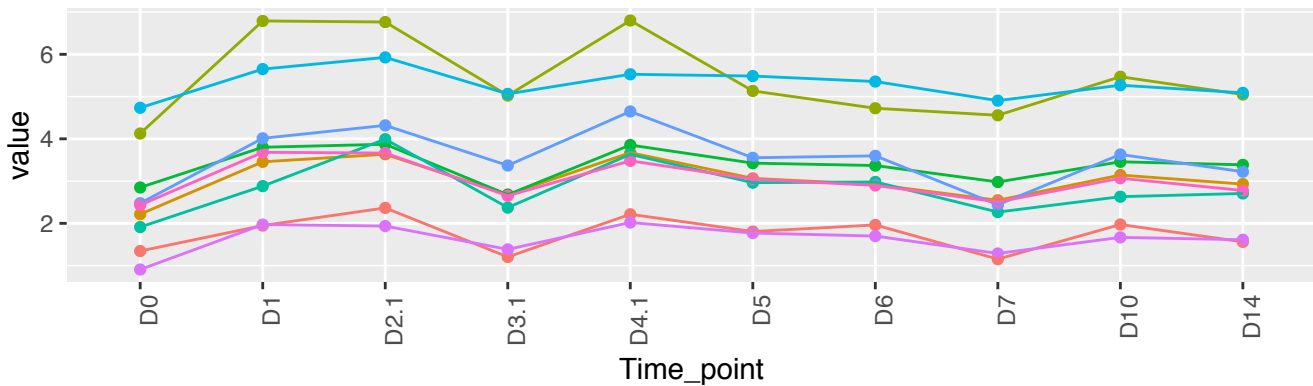
9 genes – WT-cluster-51-original



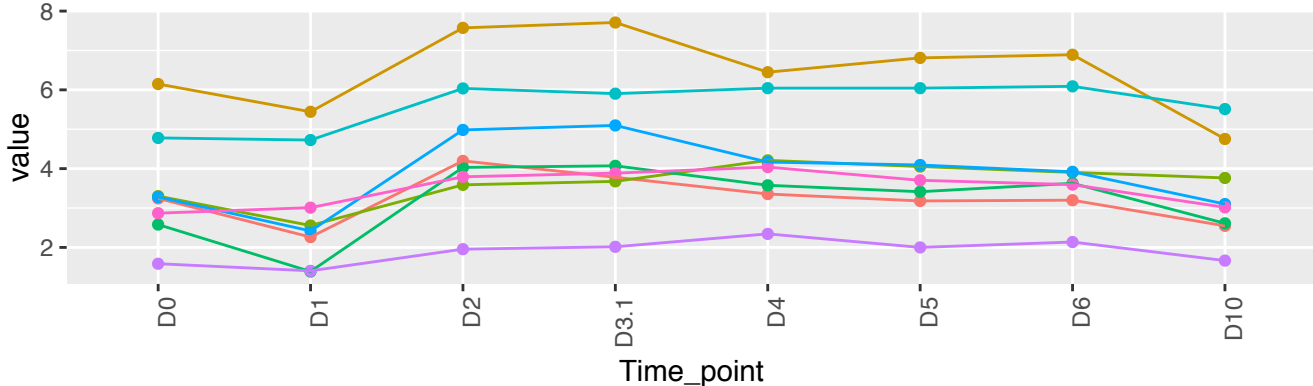
9 genes – KO-cluster-51-original



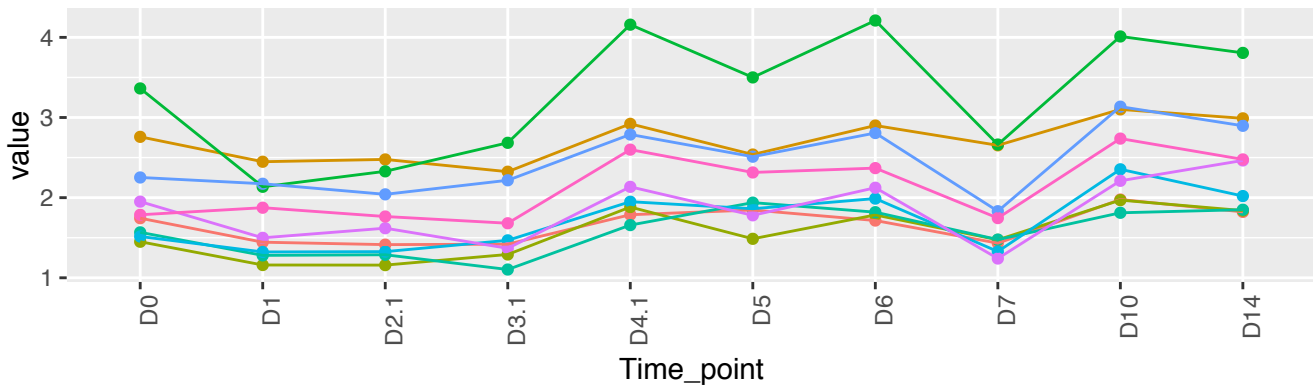
9 genes – WT-cluster-50-original



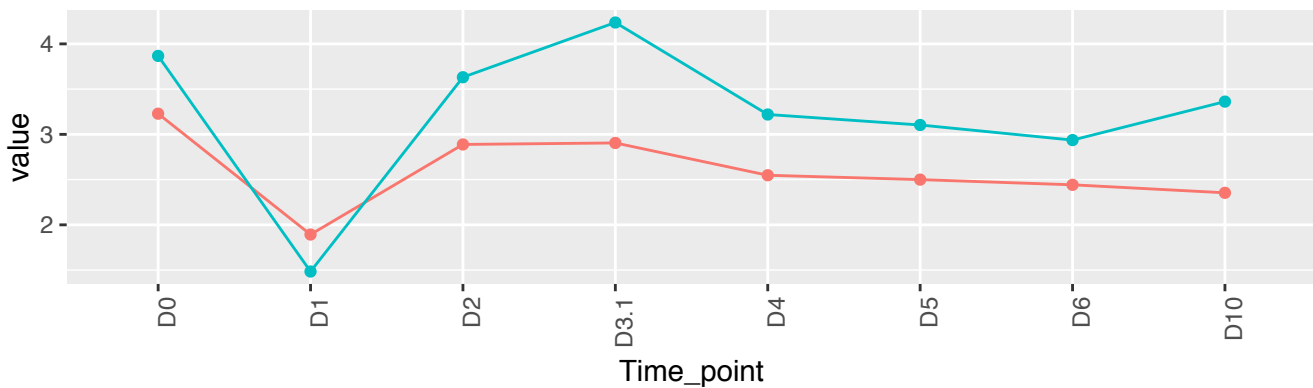
8 genes – KO-cluster-50-original



9 genes – WT-cluster-49-original

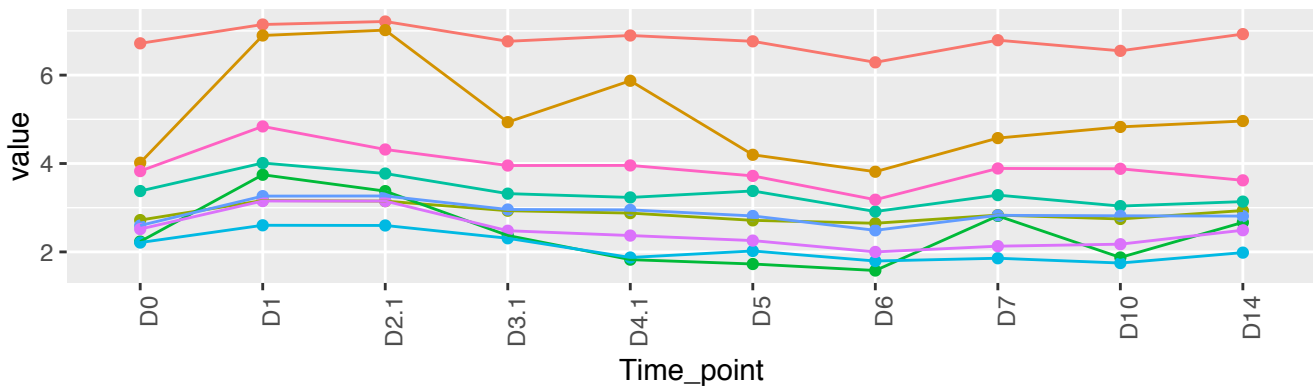


2 genes – KO-cluster-49-original

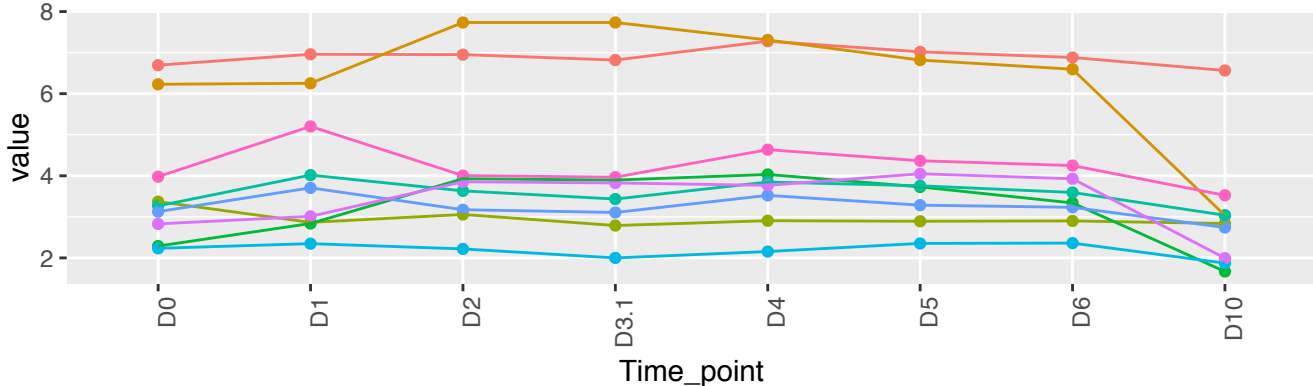




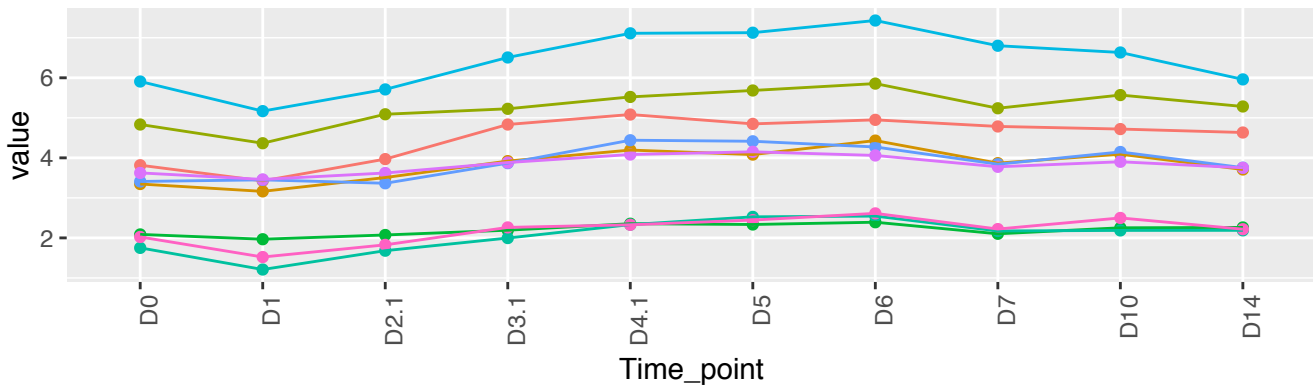
9 genes – WT-cluster-48-original



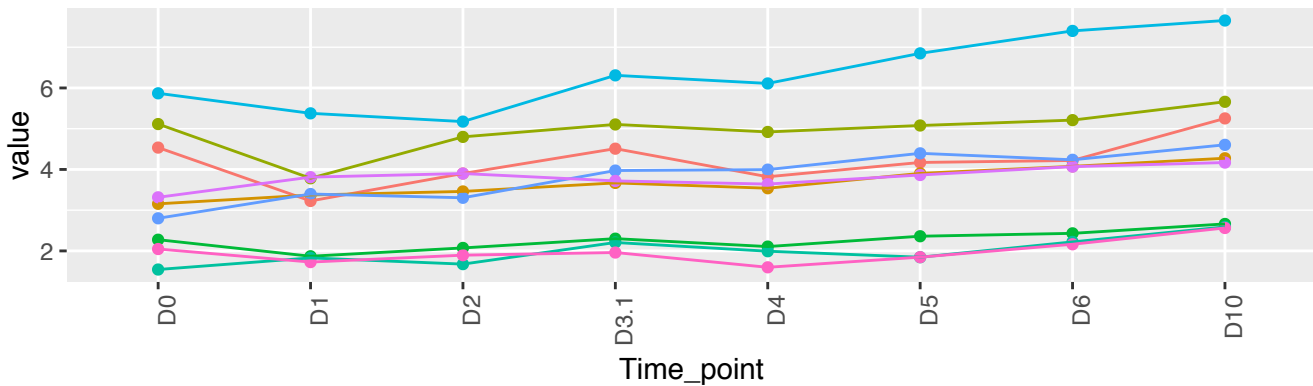
9 genes – KO-cluster-48-original



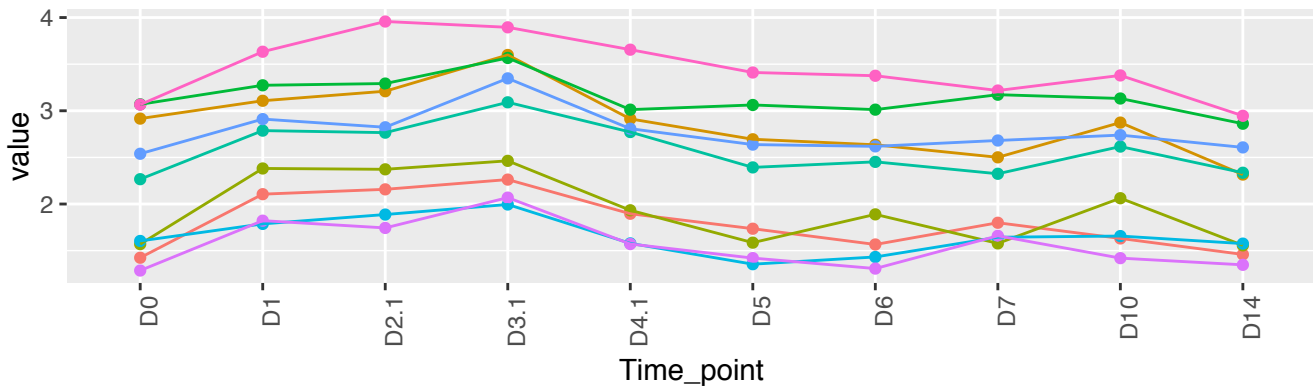
9 genes – WT-cluster-47-original



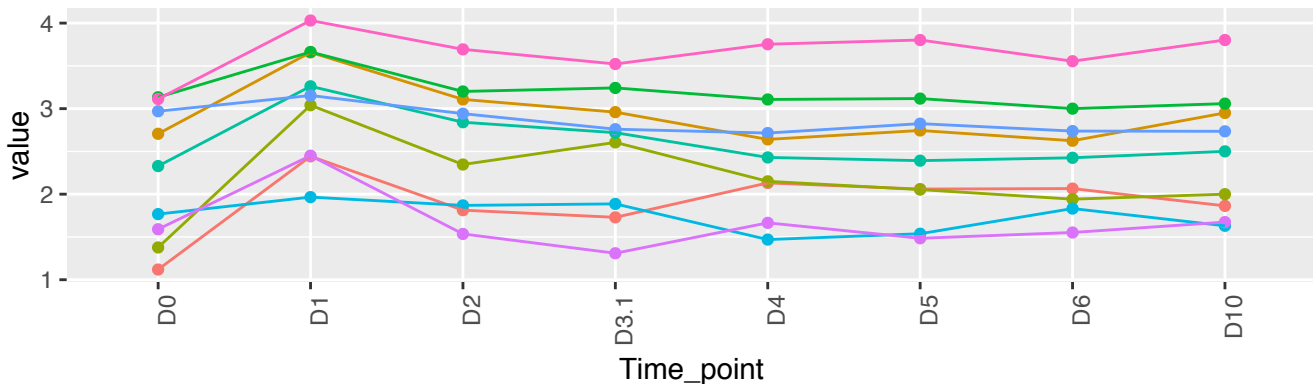
9 genes – KO-cluster-47-original



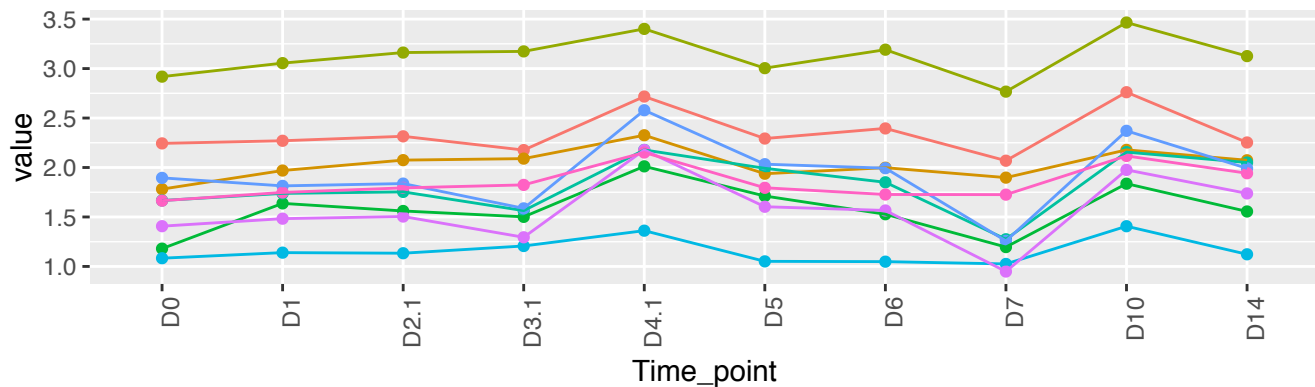
9 genes – WT-cluster-46-original



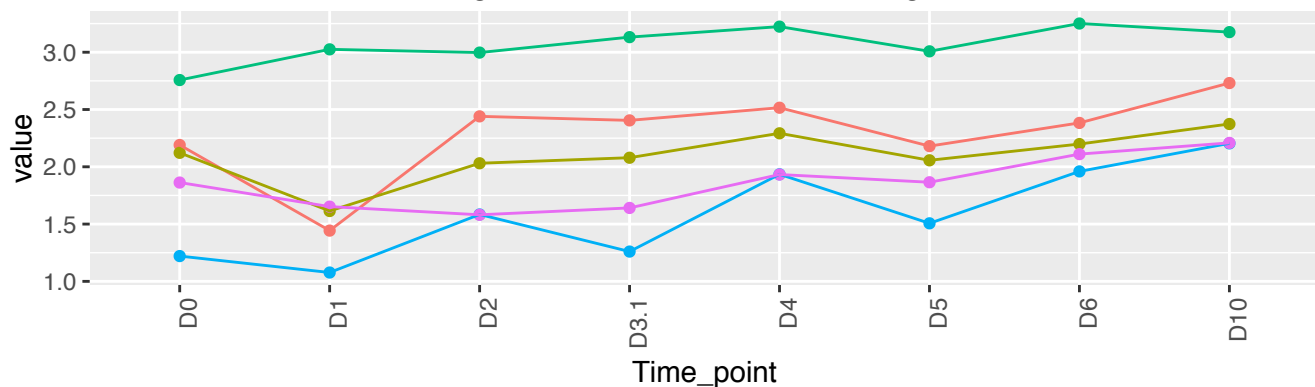
9 genes – KO-cluster-46-original



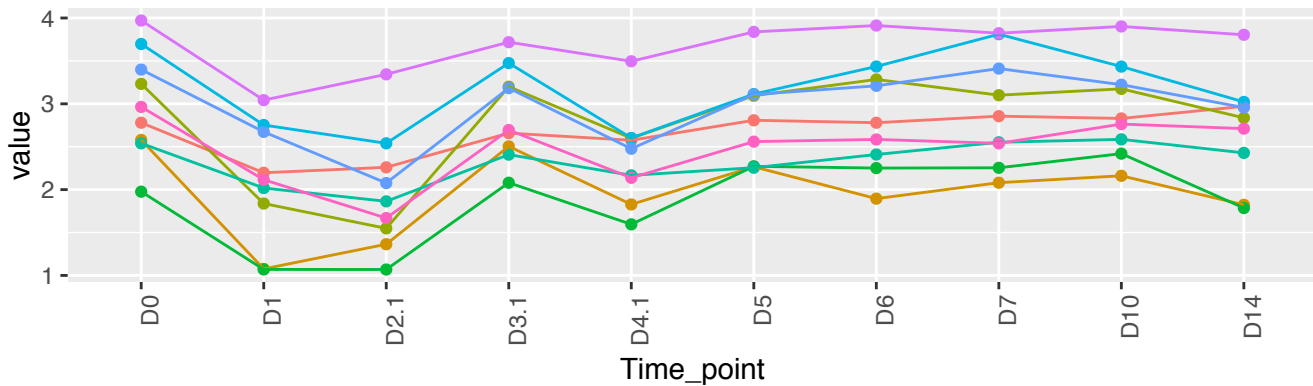
9 genes – WT-cluster-45-original



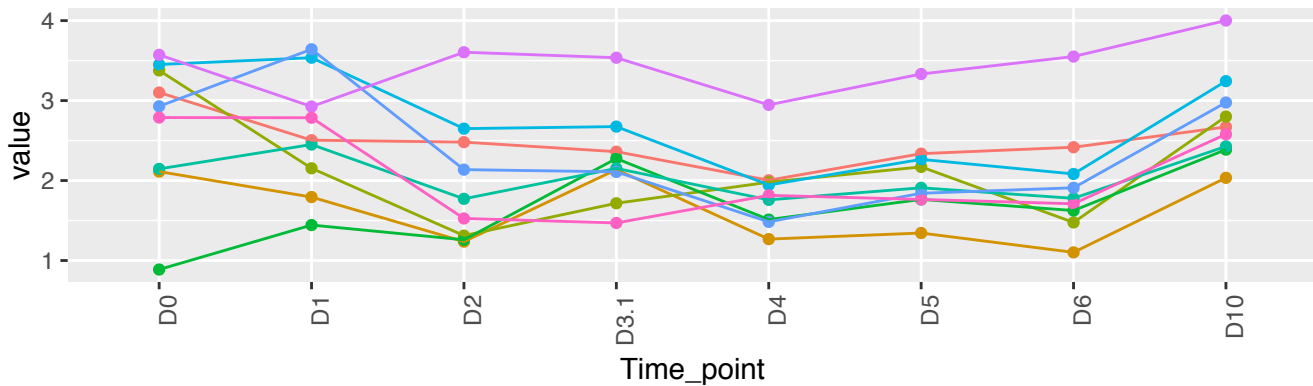
5 genes – KO-cluster-45-original



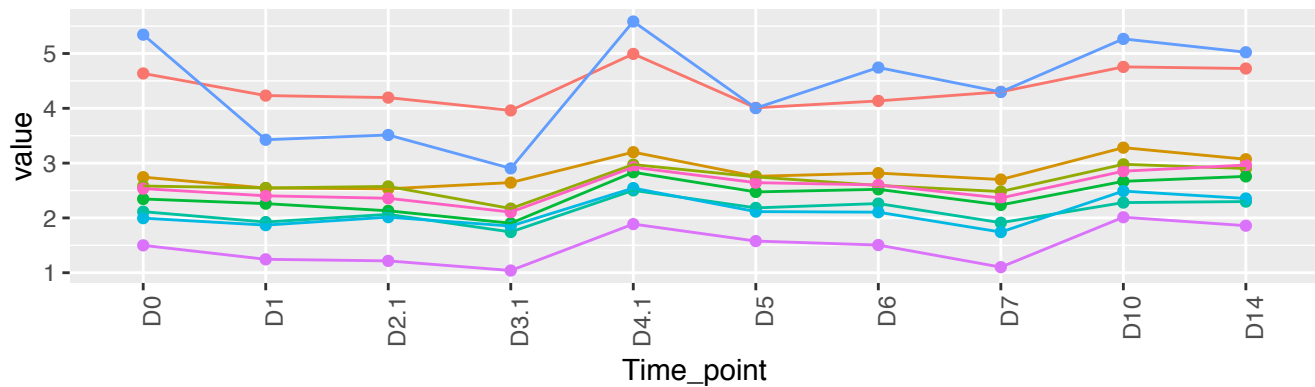
9 genes – WT-cluster-44-original



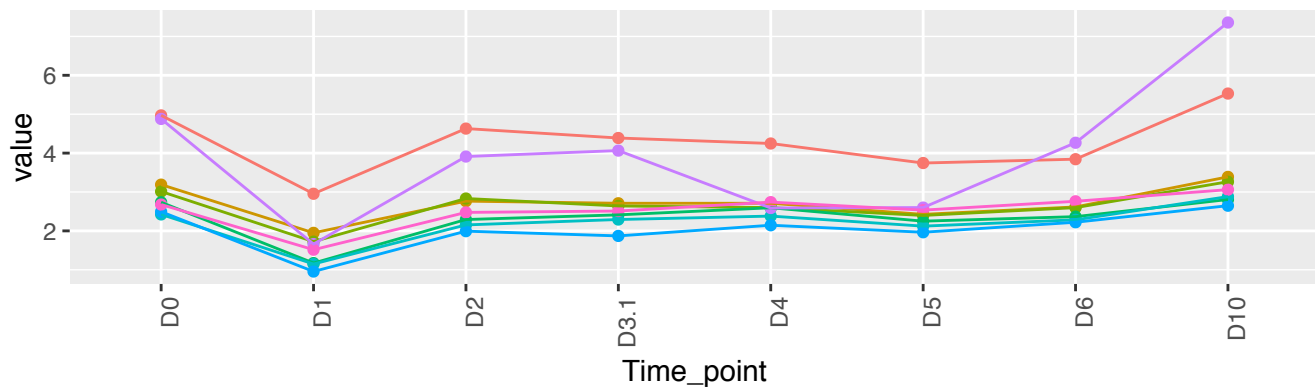
9 genes – KO-cluster-44-original



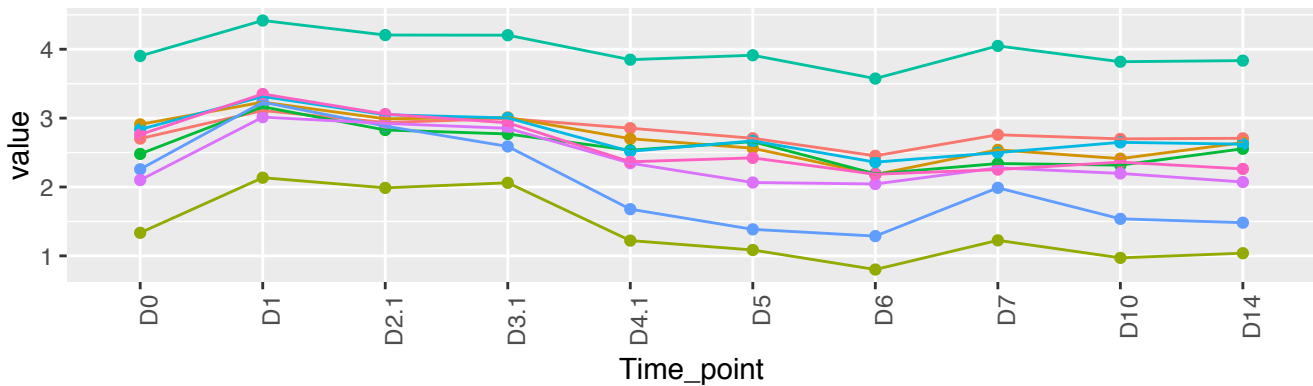
9 genes – WT-cluster-43-original



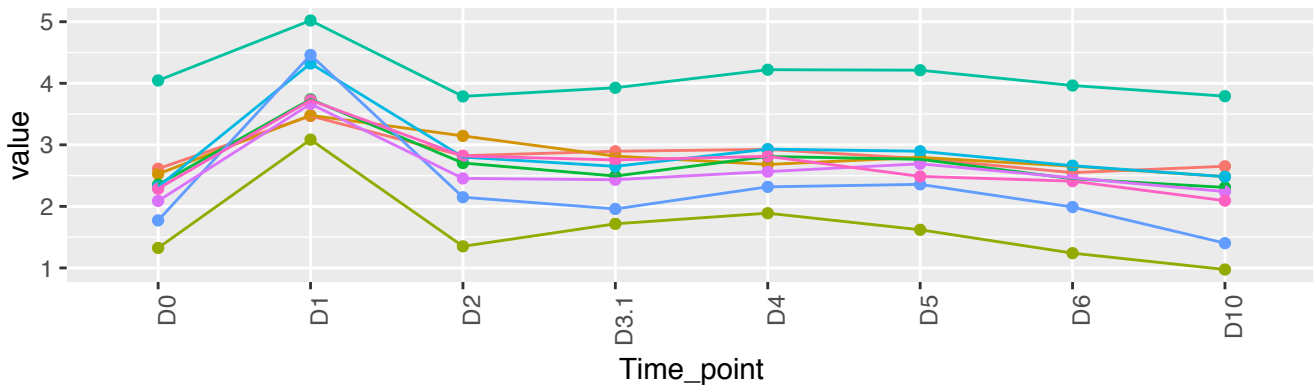
8 genes – KO-cluster-43-original



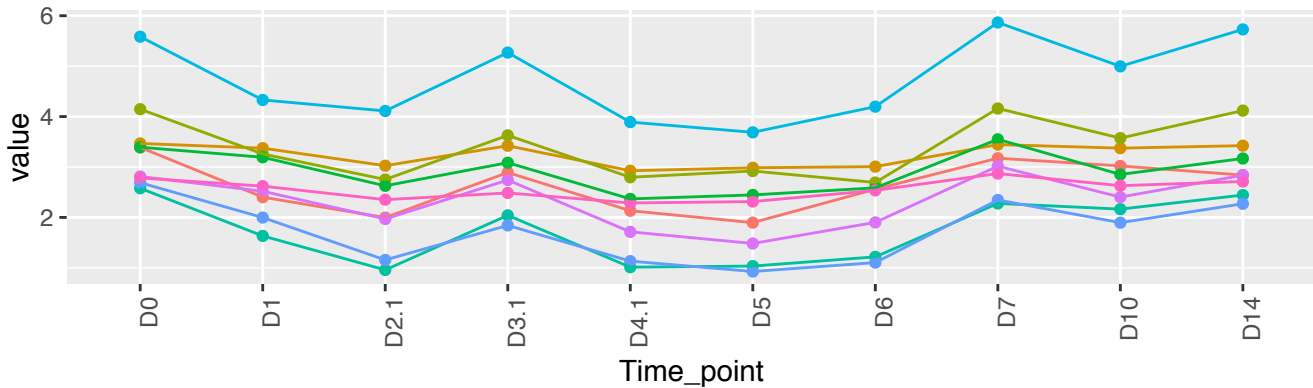
9 genes – WT-cluster-42-original



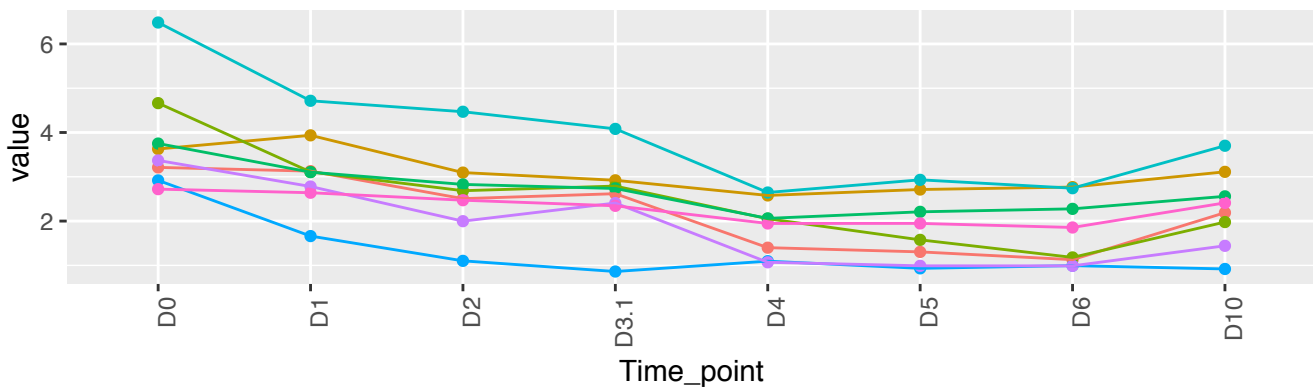
9 genes – KO-cluster-42-original



9 genes – WT-cluster-41-original

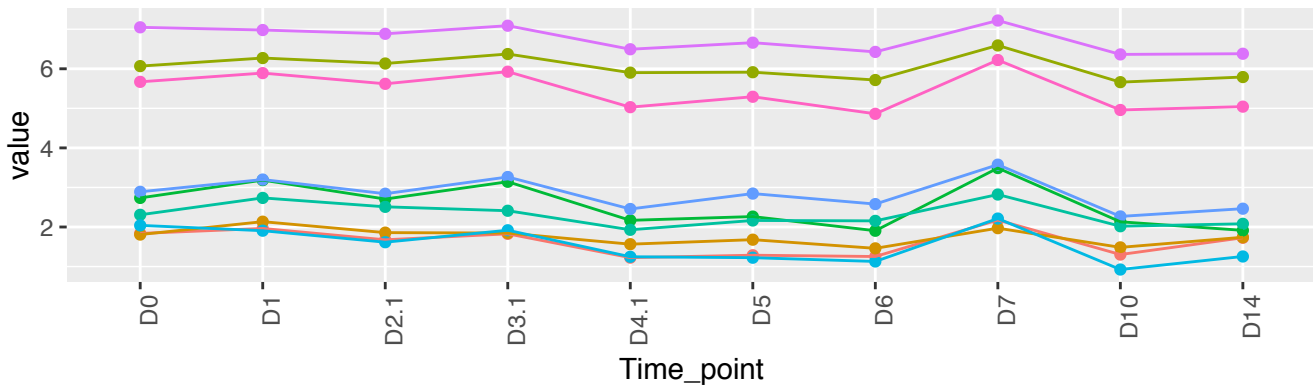


8 genes – KO-cluster-41-original

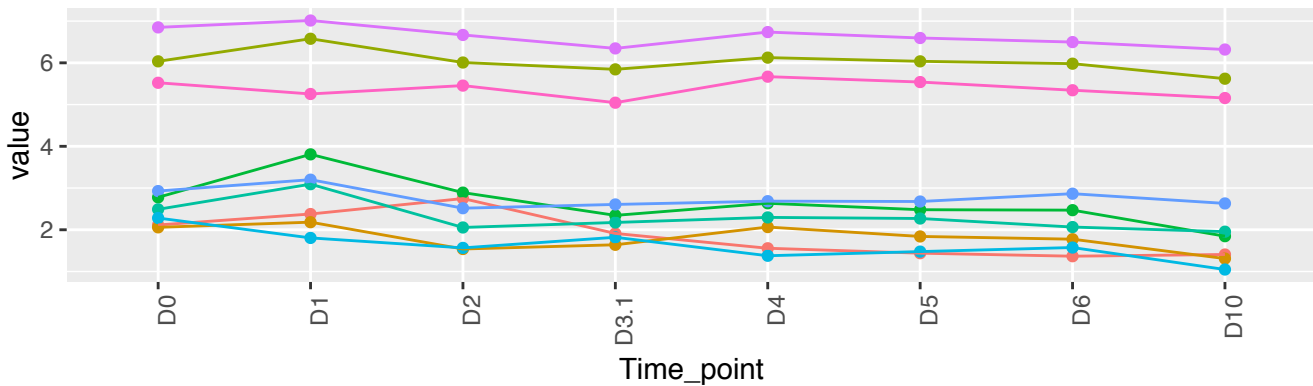




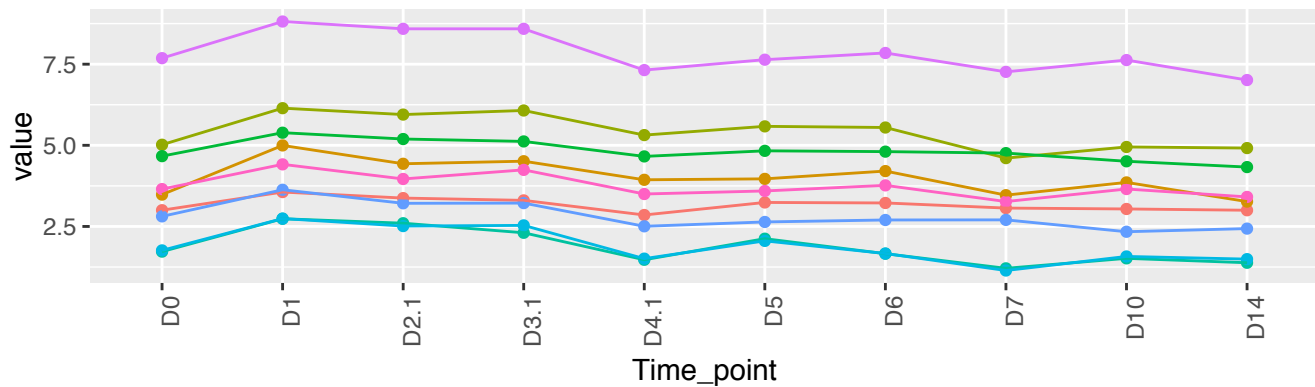
9 genes – WT-cluster-40-original



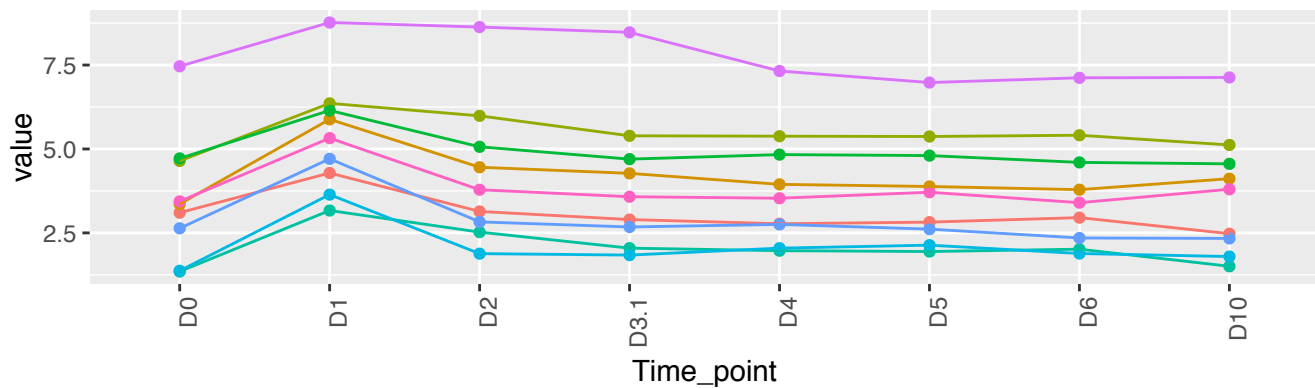
9 genes – KO-cluster-40-original



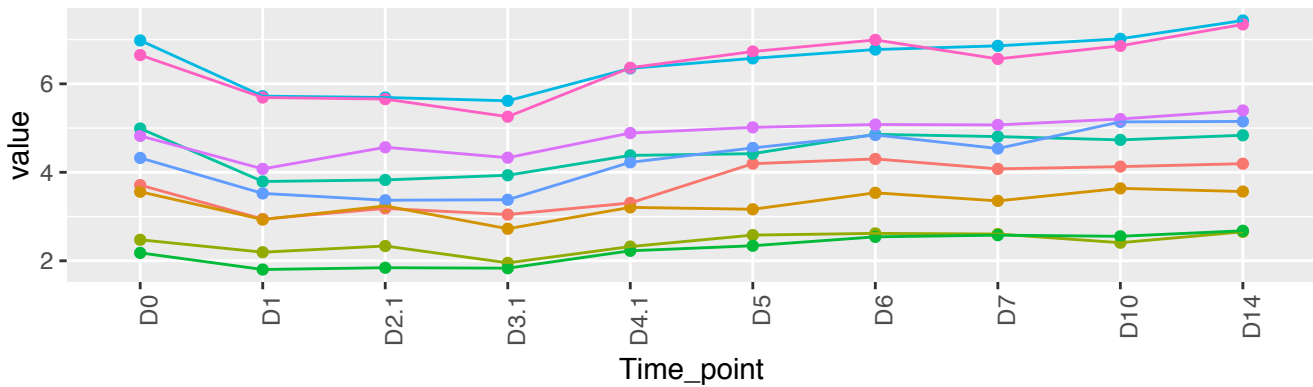
9 genes – WT-cluster-39-original



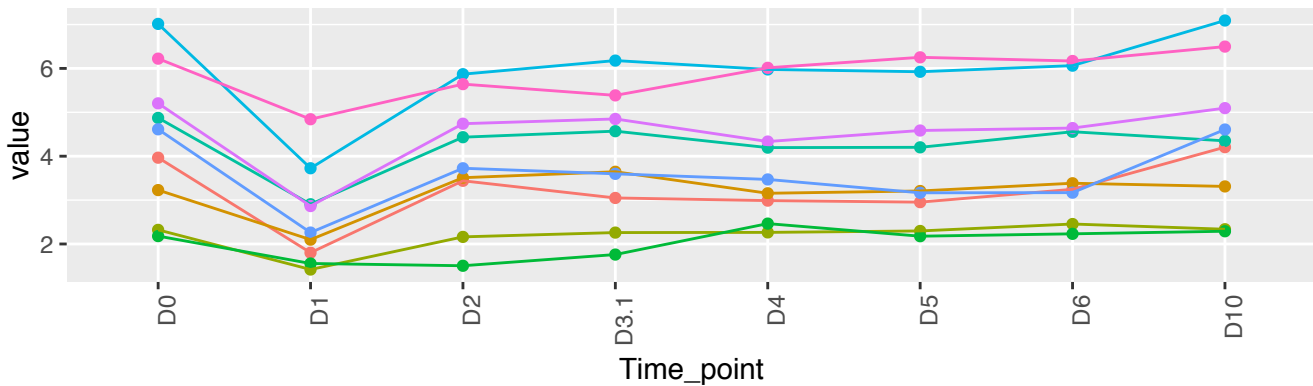
9 genes – KO-cluster-39-original



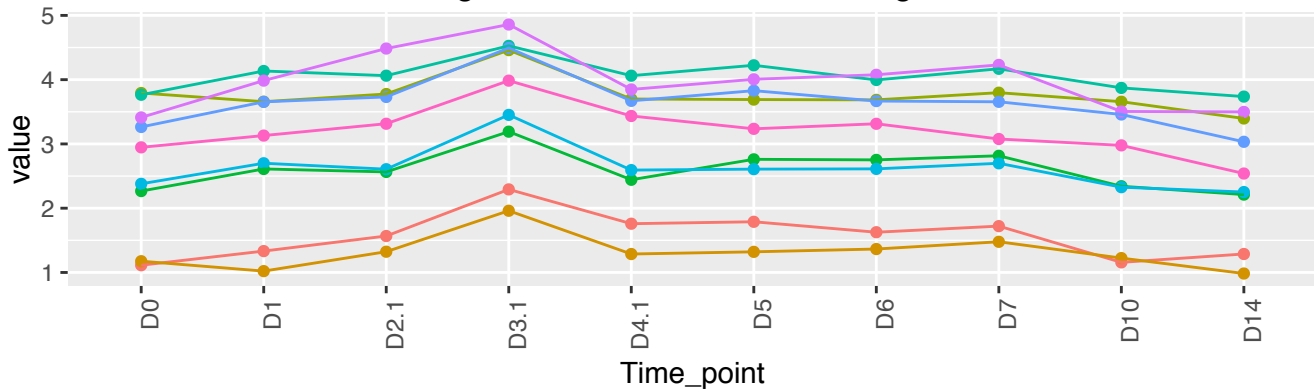
9 genes – WT-cluster-38-original



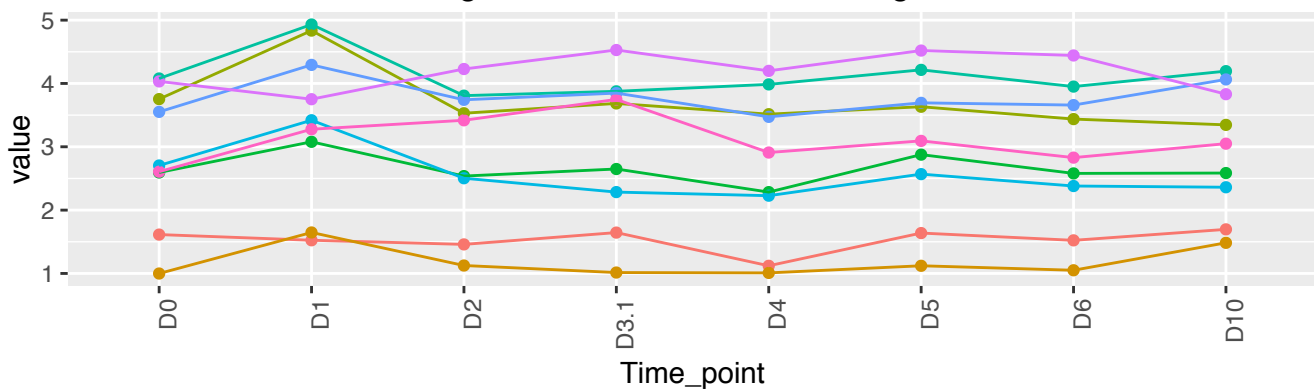
9 genes – KO-cluster-38-original



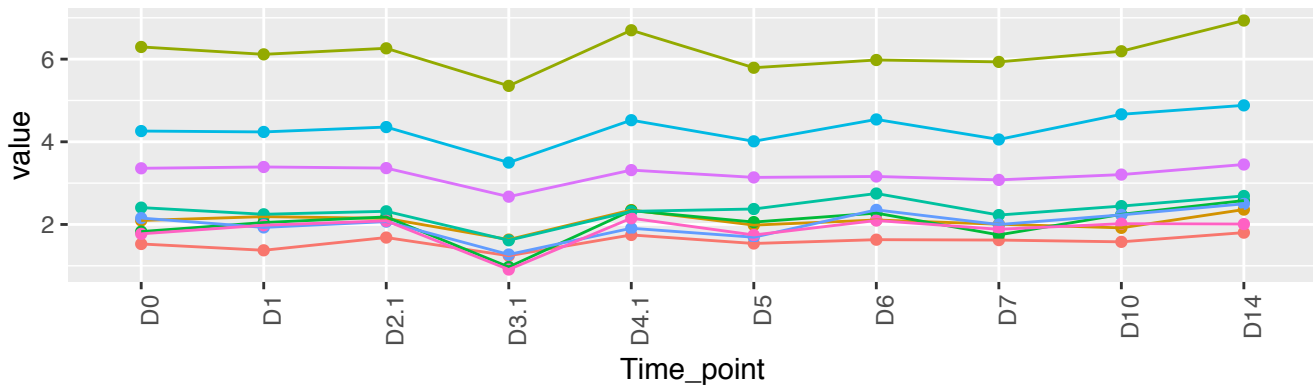
9 genes – WT-cluster-37-original



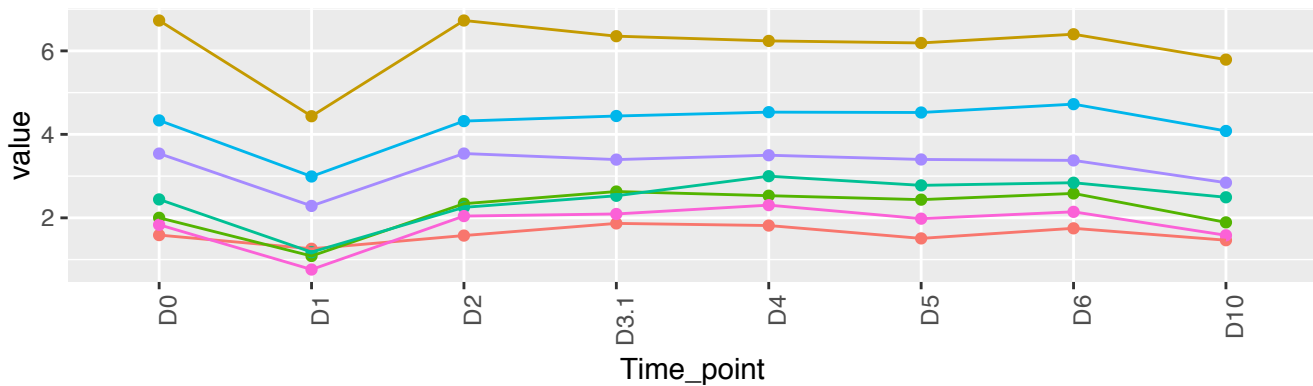
9 genes – KO-cluster-37-original



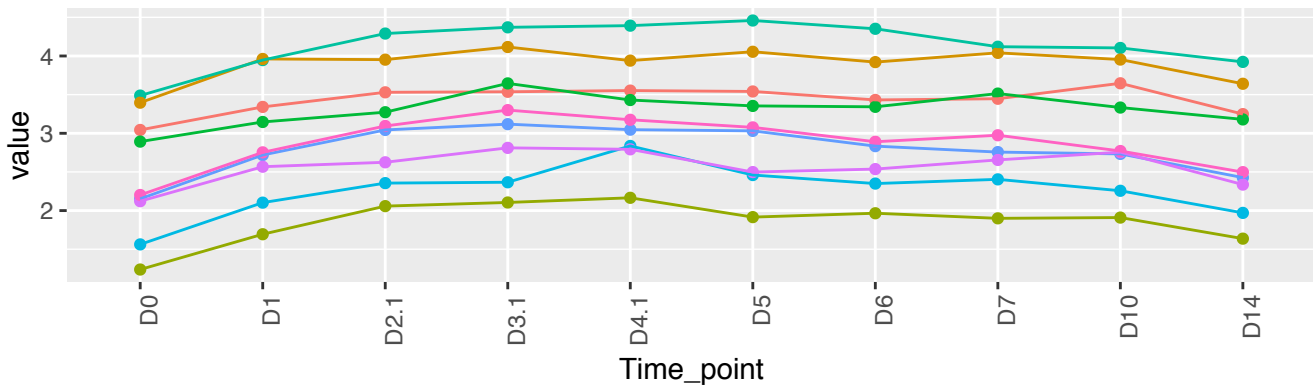
9 genes – WT-cluster-36-original



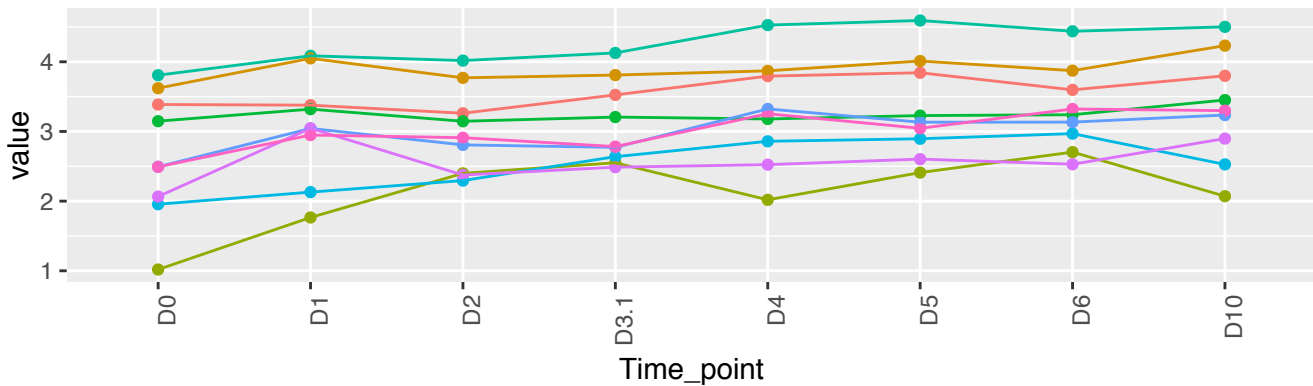
7 genes – KO-cluster-36-original



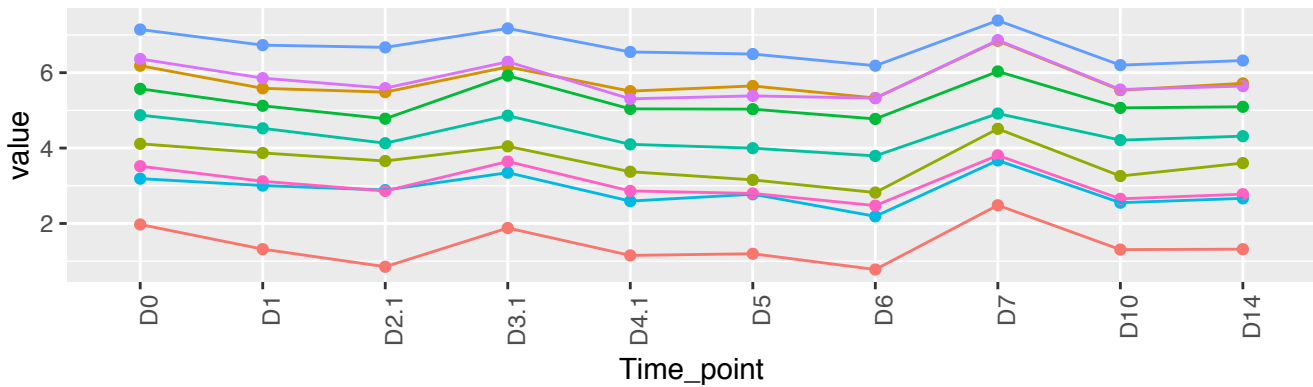
9 genes – WT-cluster-35-original



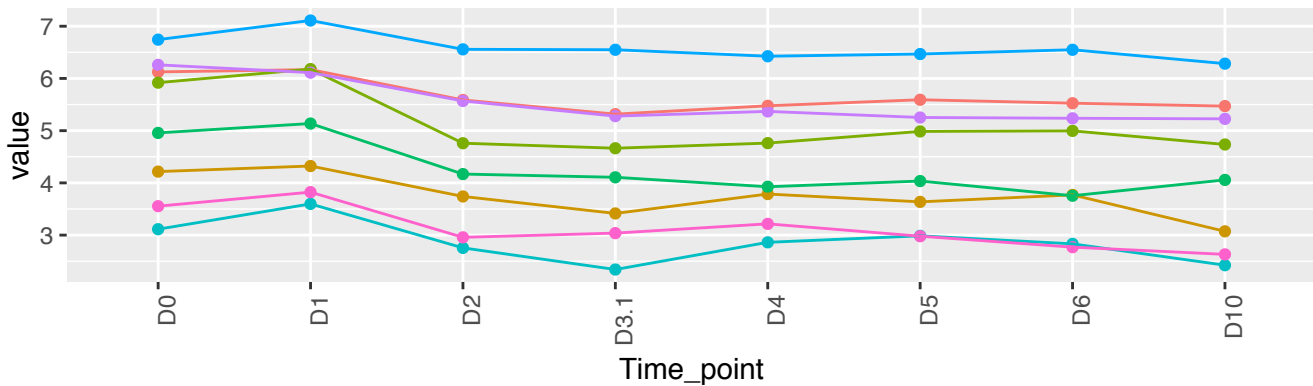
9 genes – KO-cluster-35-original



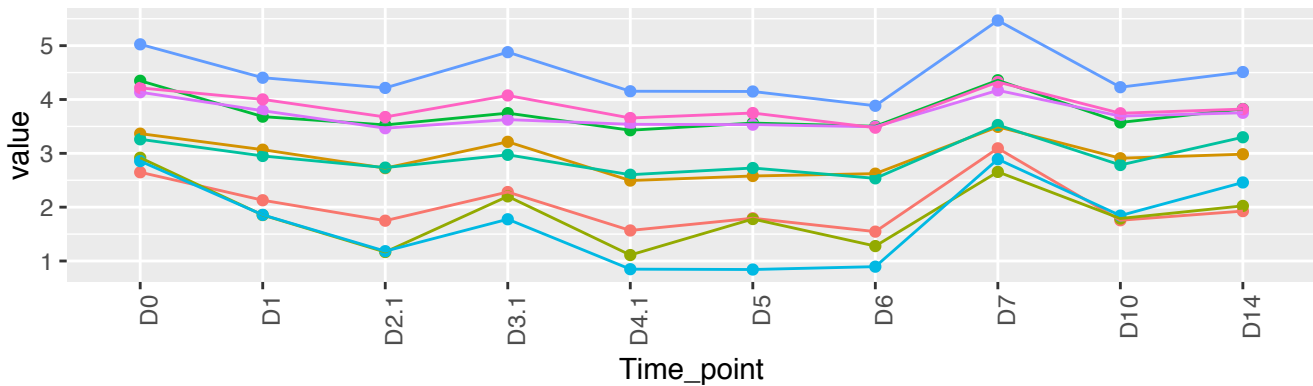
9 genes – WT-cluster-34-original



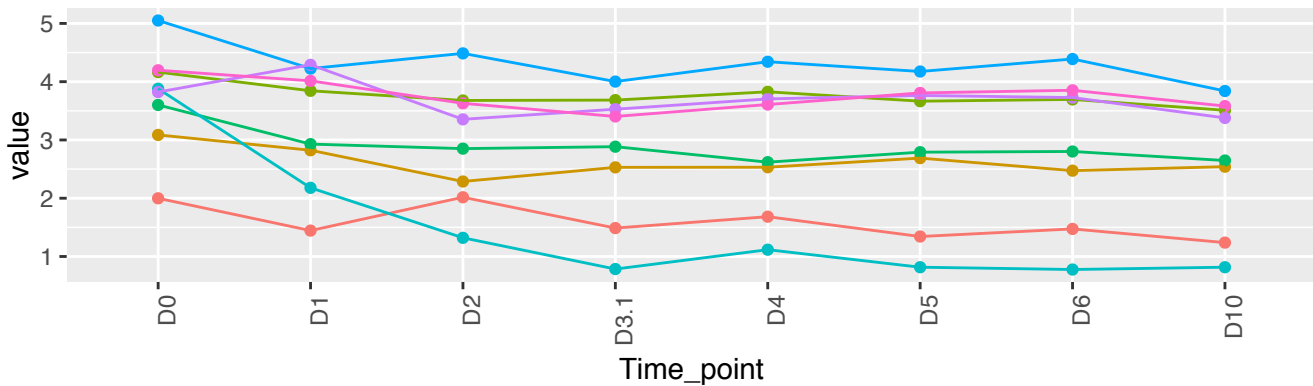
8 genes – KO-cluster-34-original



9 genes – WT-cluster-33-original

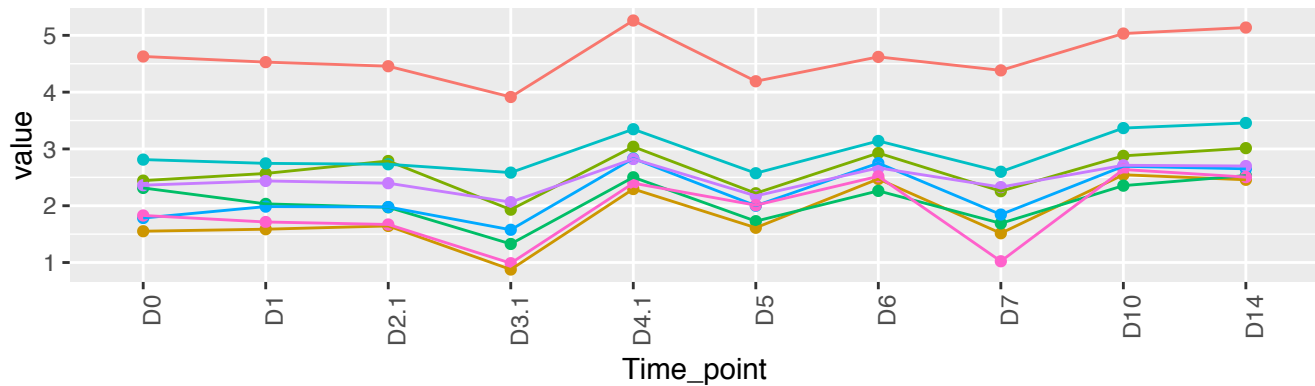


8 genes – KO-cluster-33-original

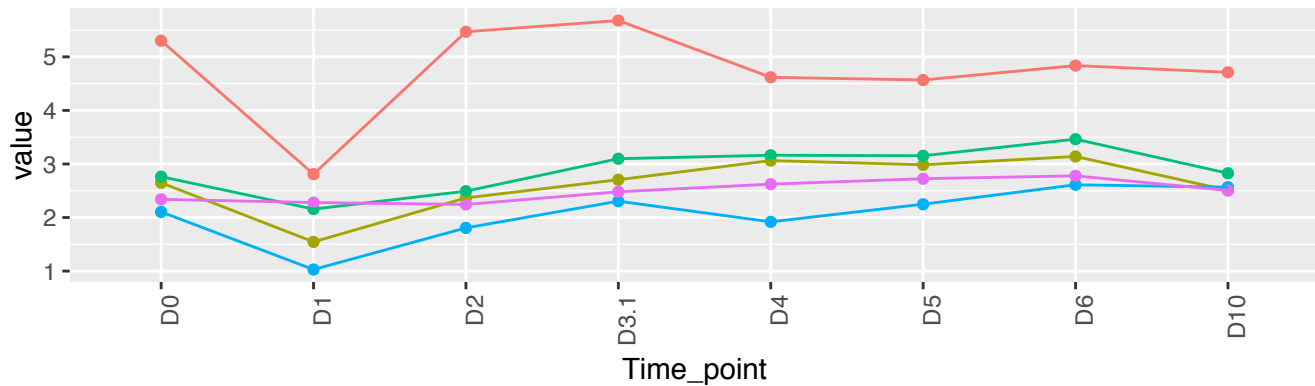




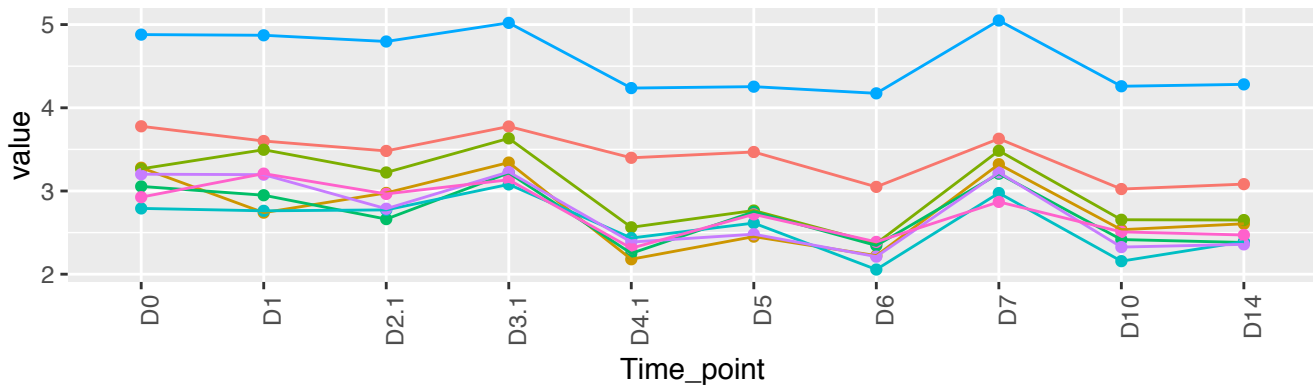
8 genes – WT-cluster-32-original



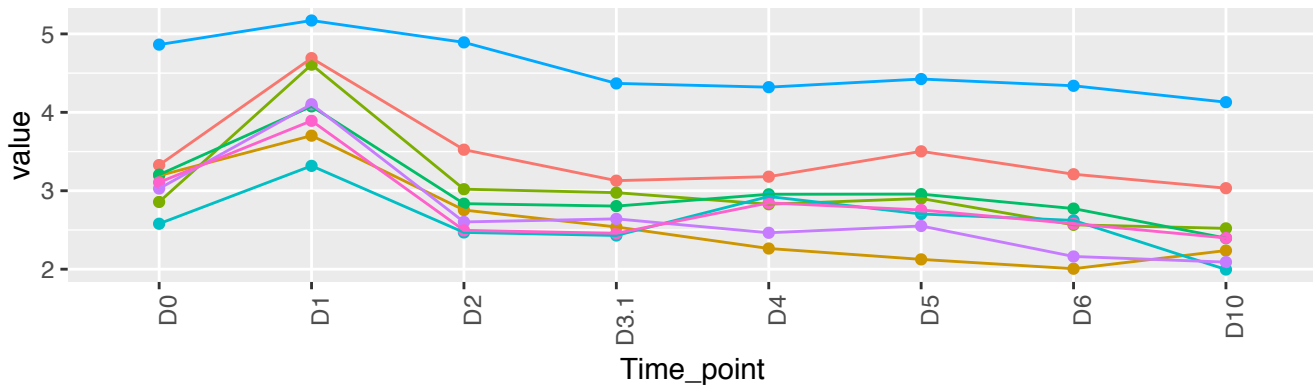
5 genes – KO-cluster-32-original



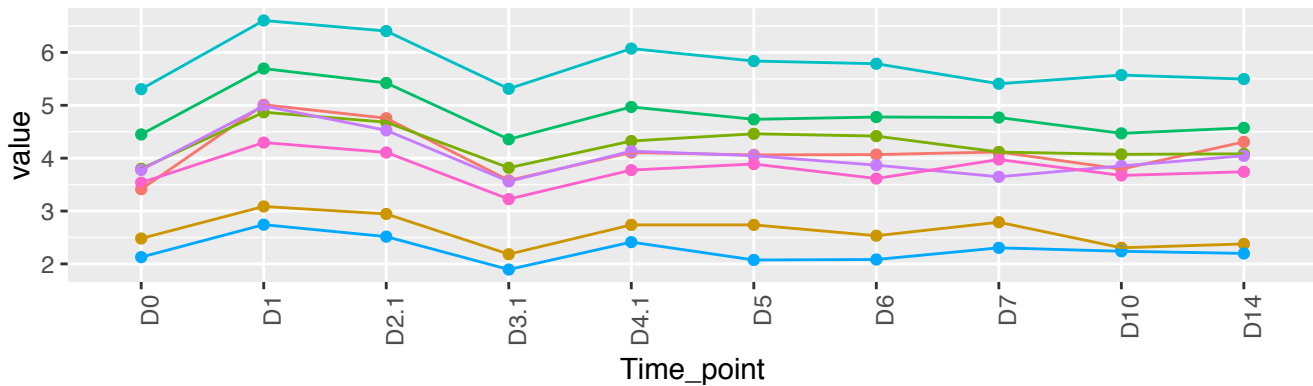
8 genes – WT-cluster-31-original



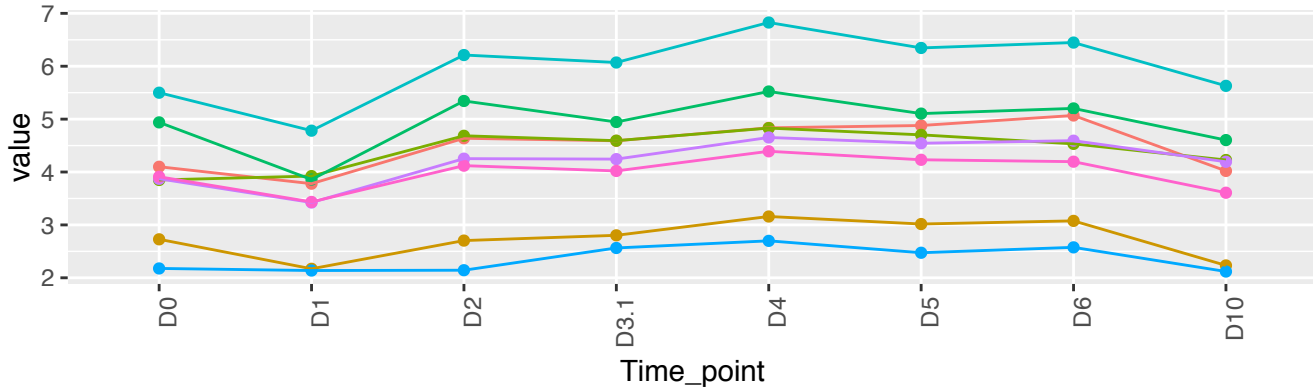
8 genes – KO-cluster-31-original



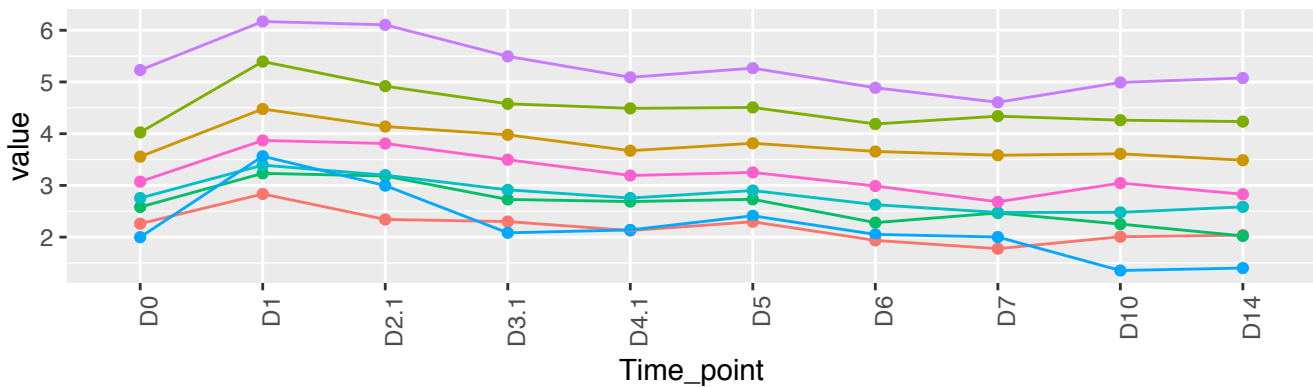
8 genes – WT-cluster-30-original



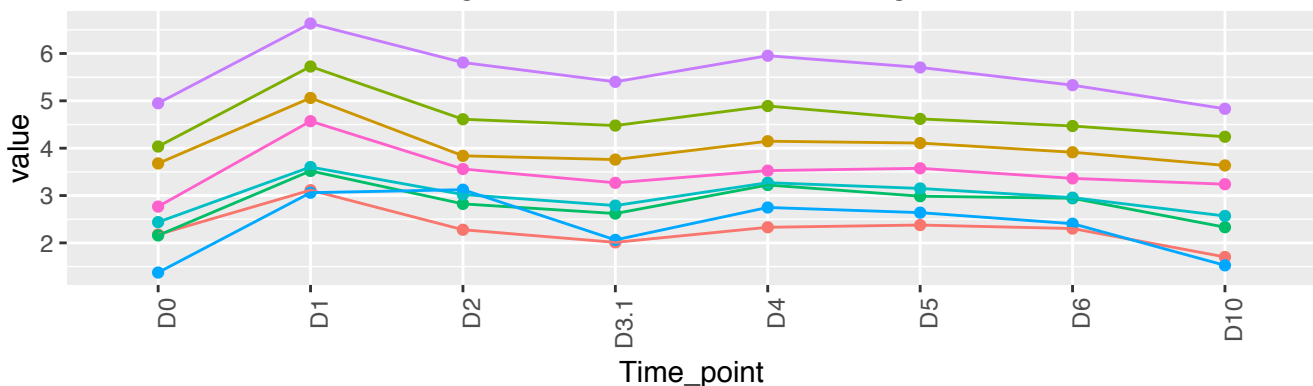
8 genes – KO-cluster-30-original



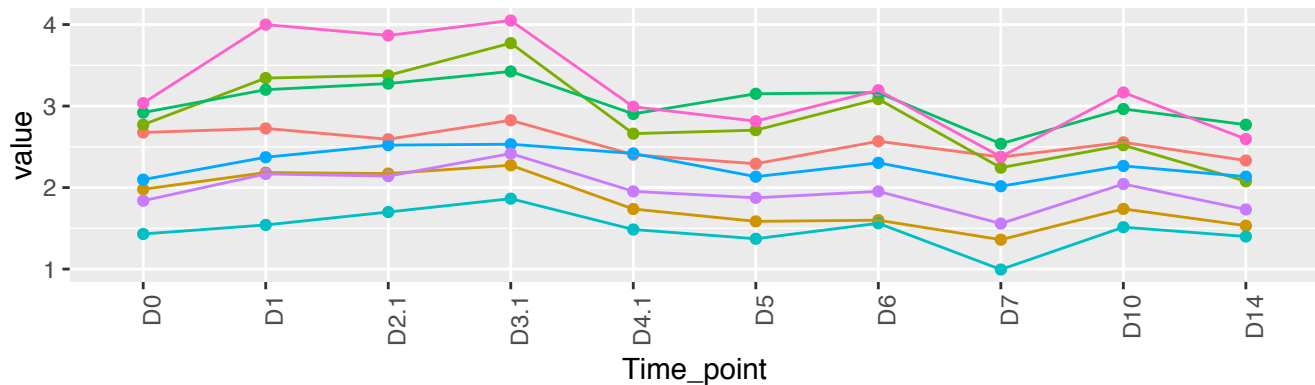
8 genes – WT-cluster-29-original



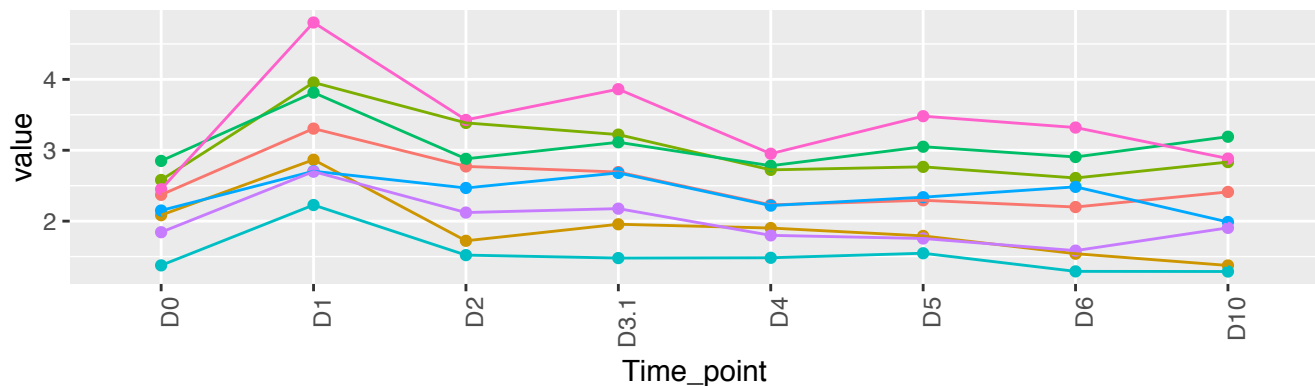
8 genes – KO-cluster-29-original



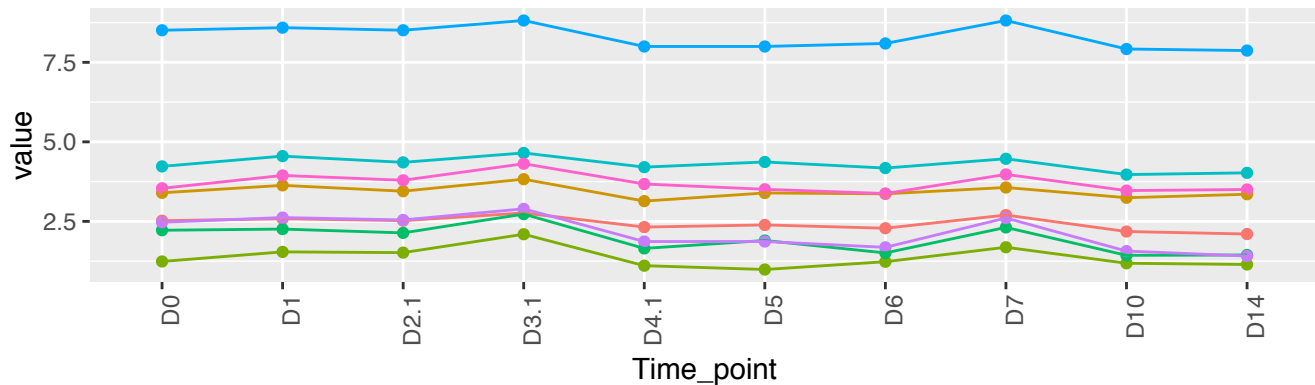
8 genes – WT-cluster-28-original



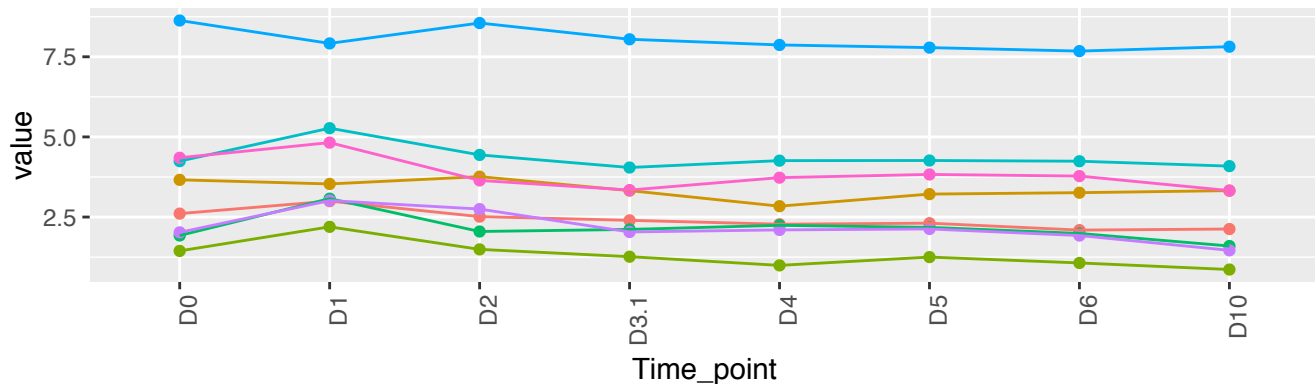
8 genes – KO-cluster-28-original



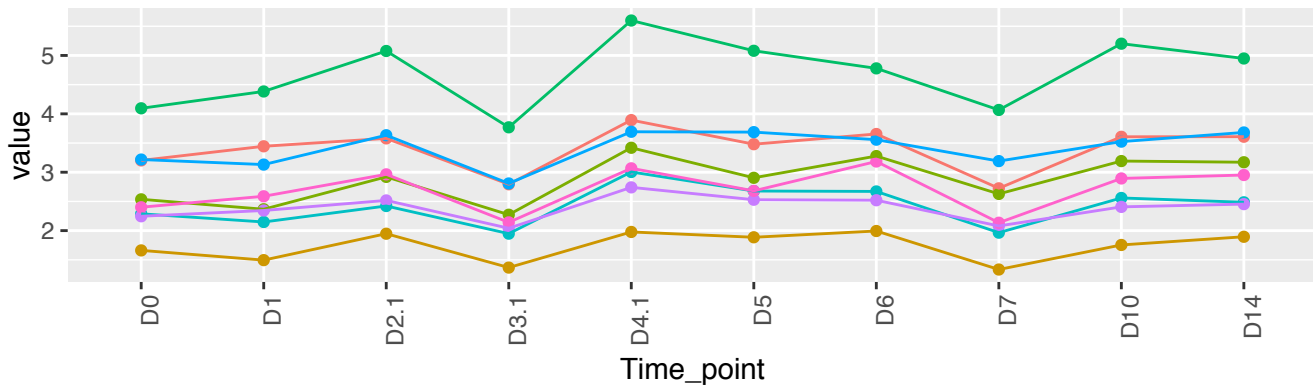
8 genes – WT-cluster-27-original



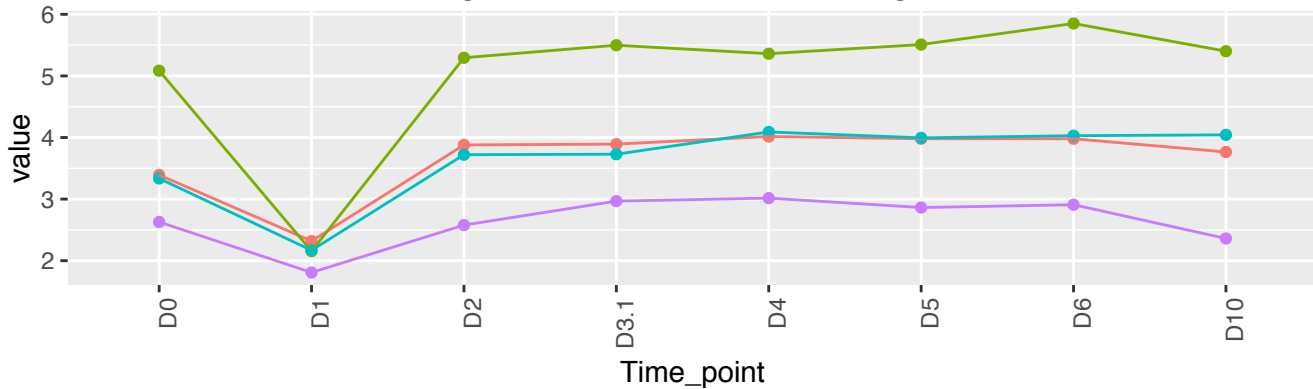
8 genes – KO-cluster-27-original



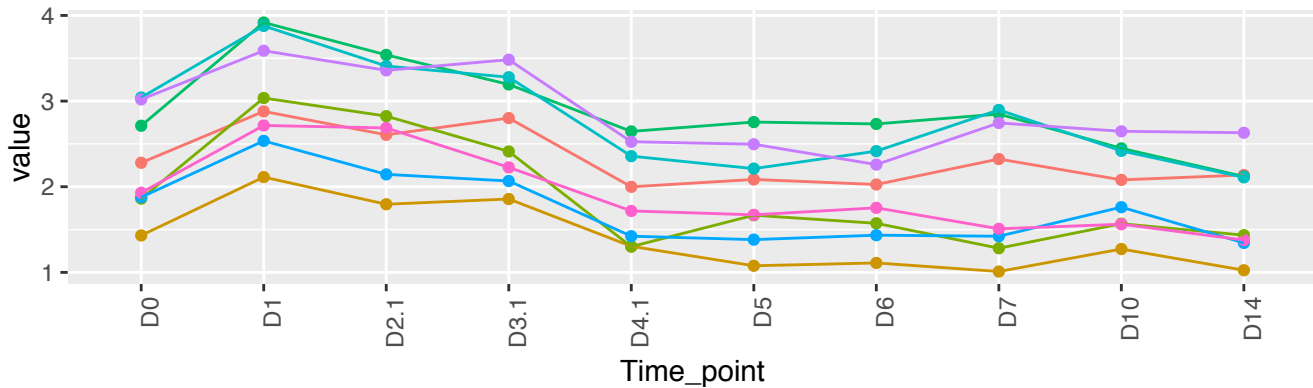
8 genes – WT-cluster-26-original



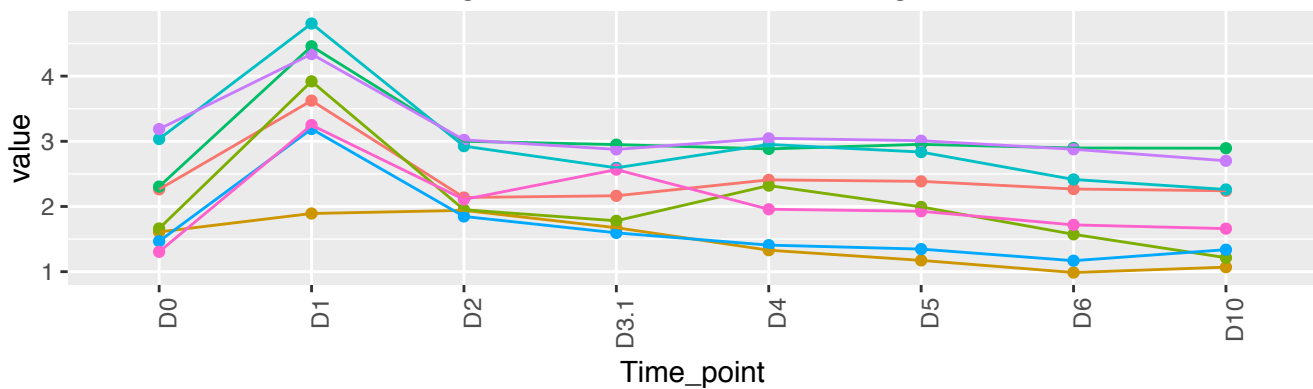
4 genes – KO-cluster-26-original



8 genes – WT-cluster-25-original

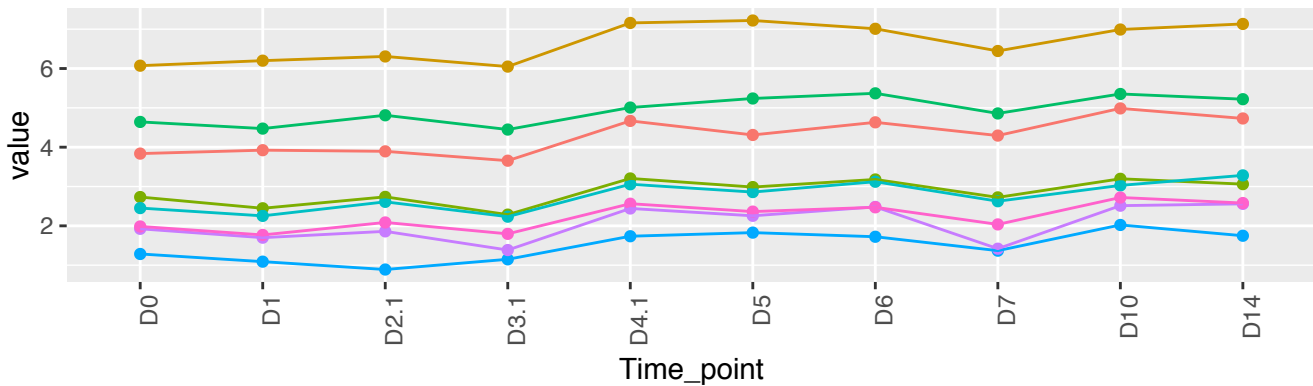


8 genes – KO-cluster-25-original

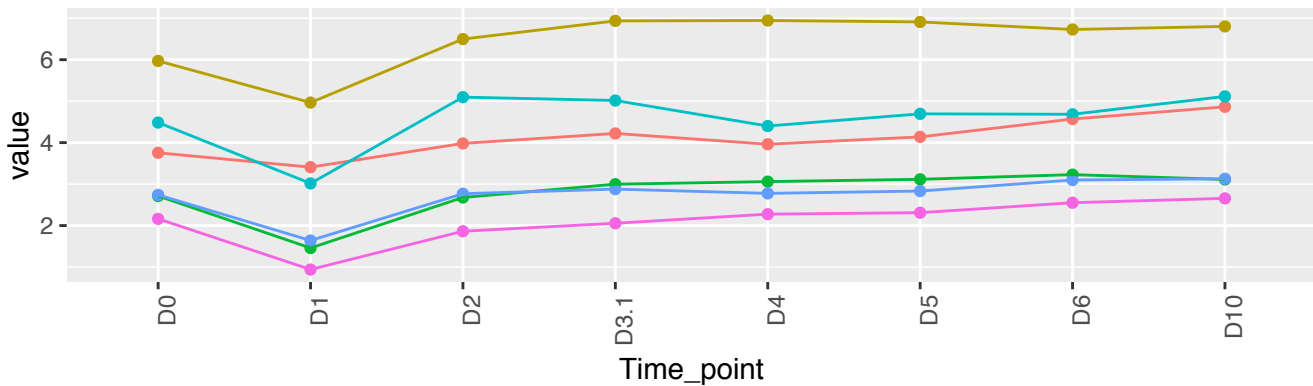




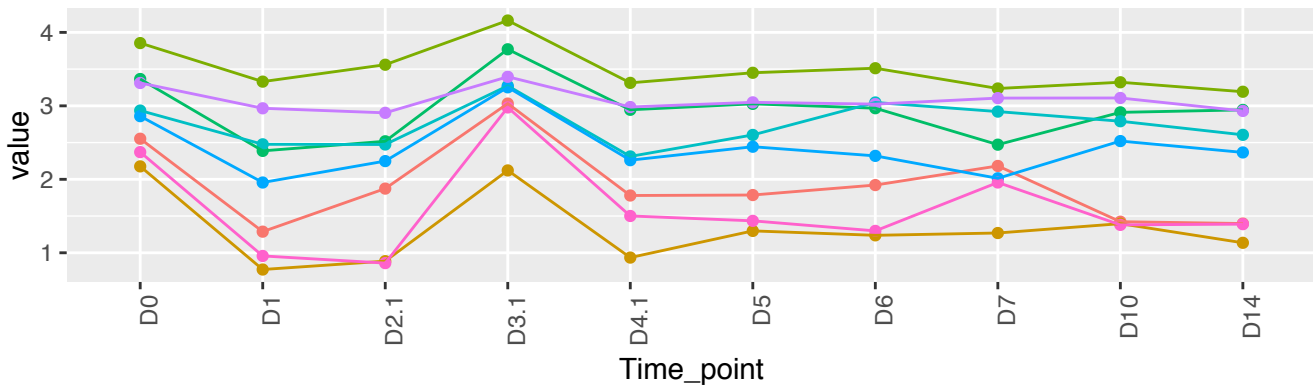
8 genes – WT-cluster-24-original



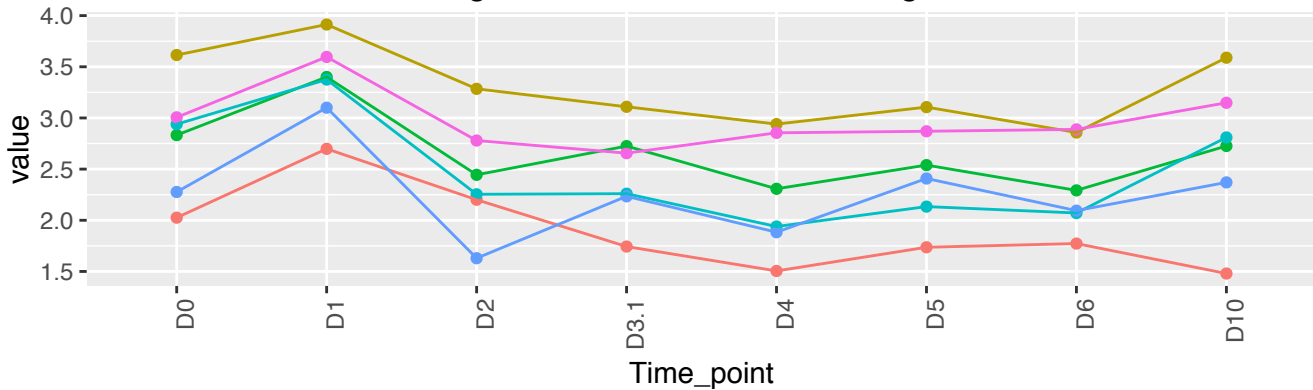
6 genes – KO-cluster-24-original



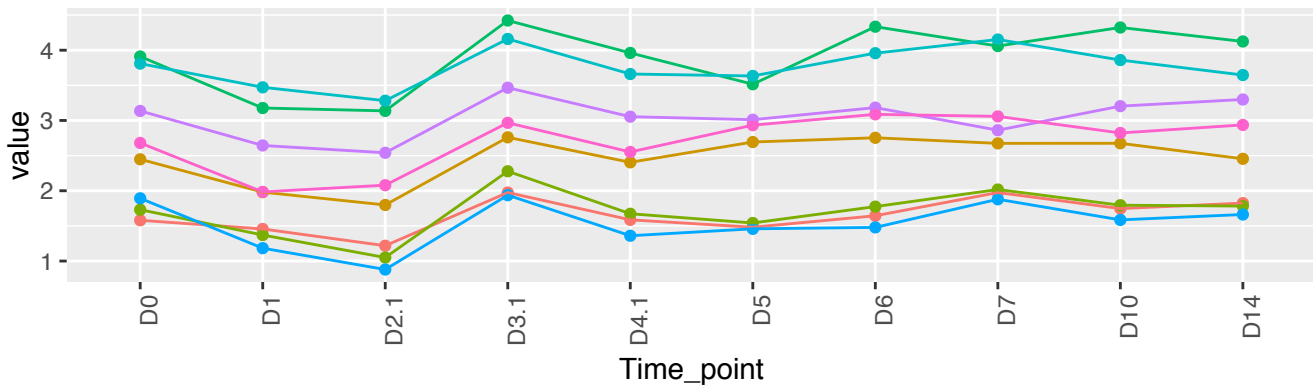
8 genes – WT-cluster-23-original



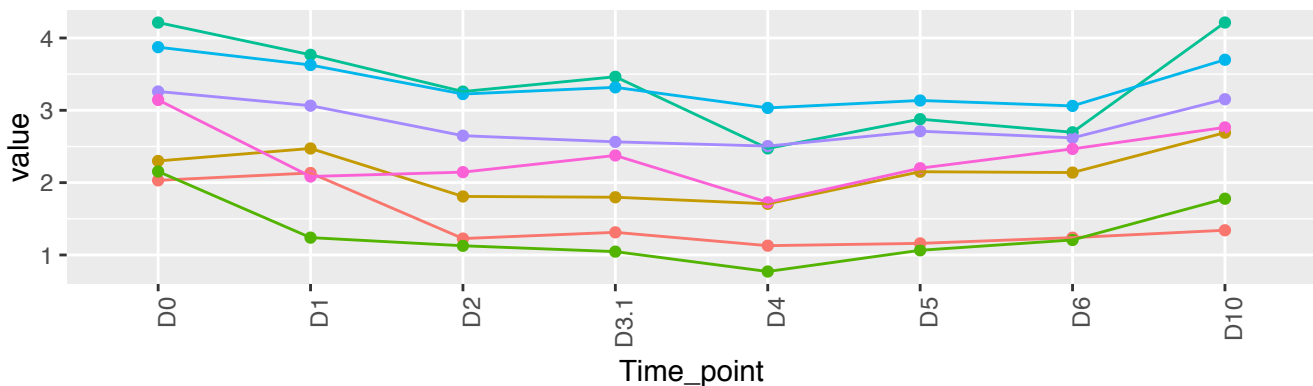
6 genes – KO-cluster-23-original



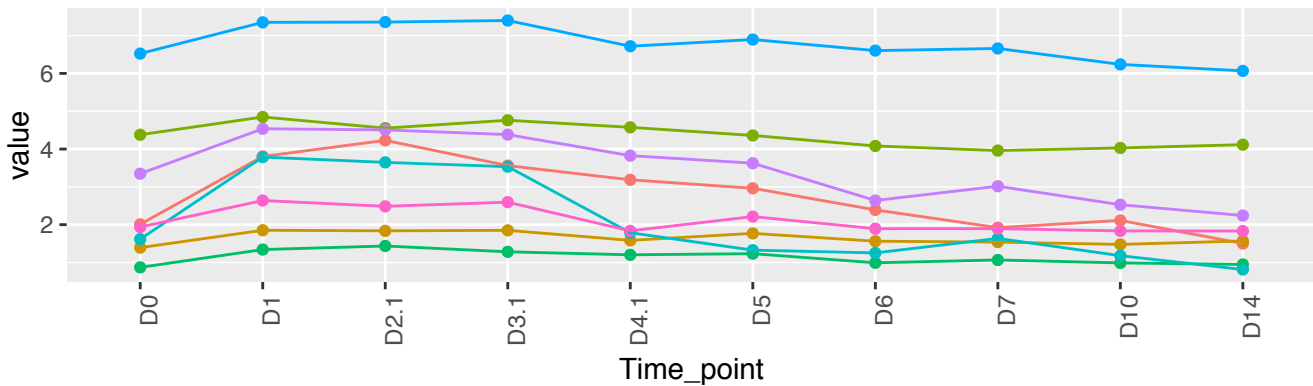
8 genes – WT-cluster-22-original



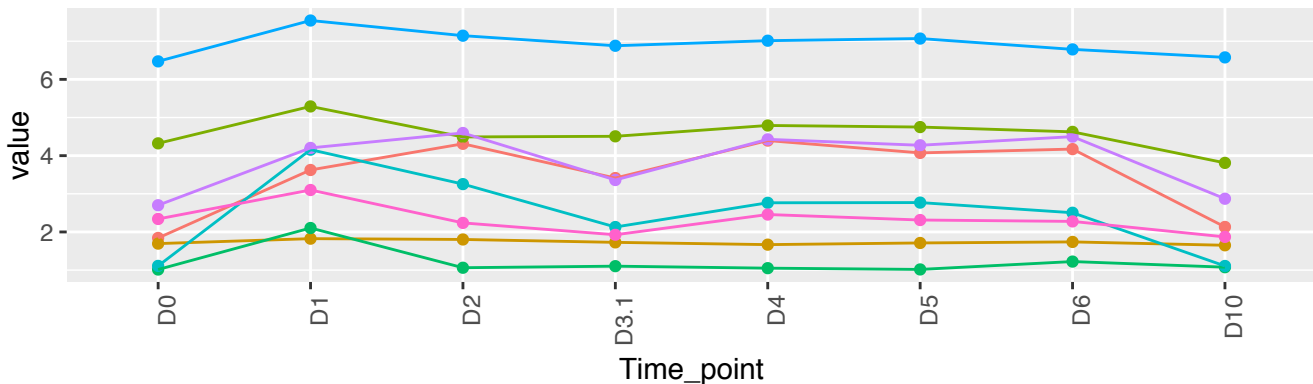
7 genes – KO-cluster-22-original



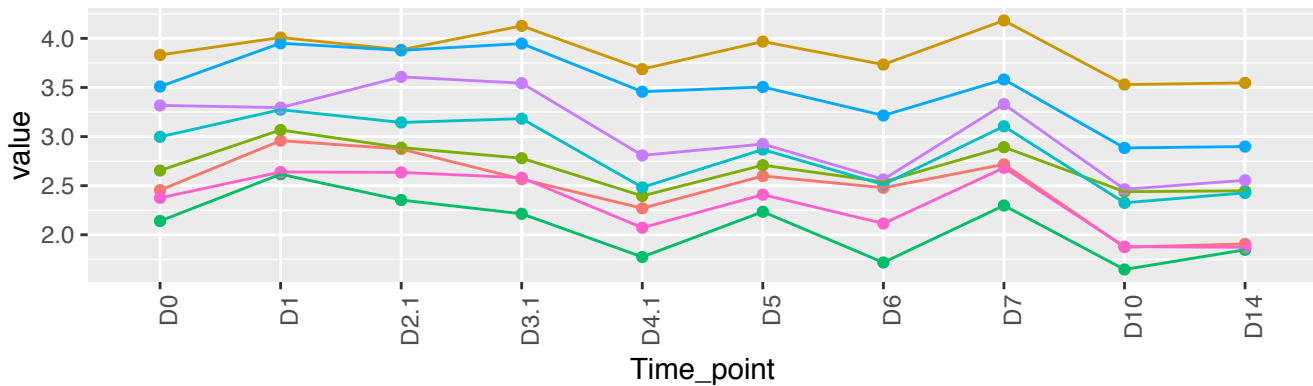
8 genes – WT-cluster-21-original



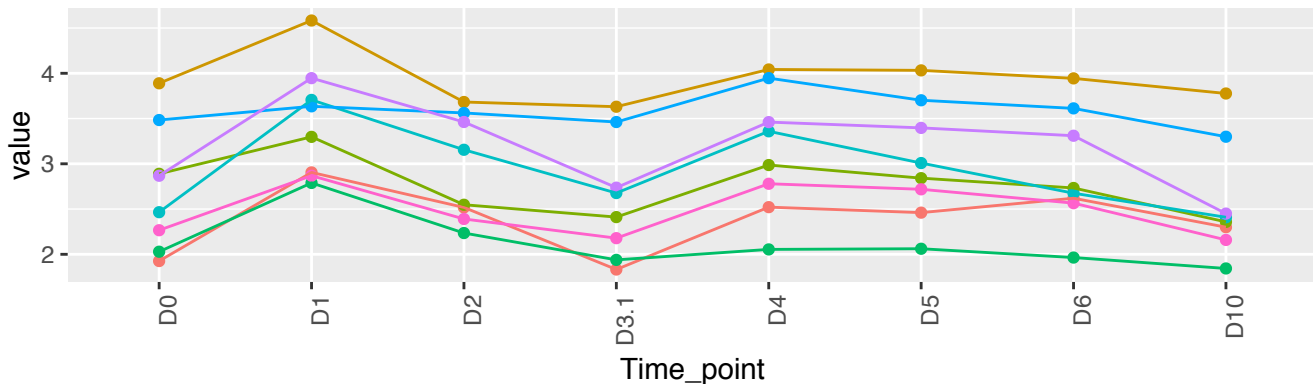
8 genes – KO-cluster-21-original



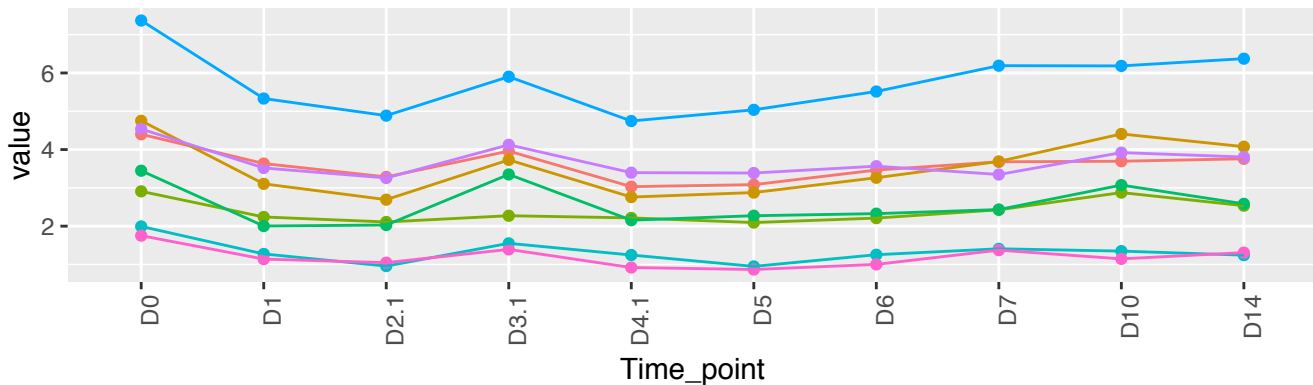
8 genes – WT-cluster-20-original



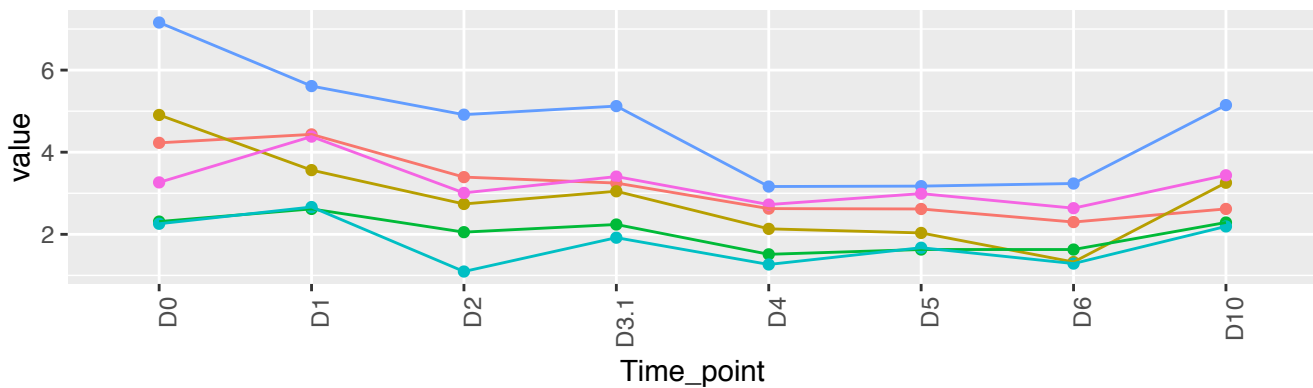
8 genes – KO-cluster-20-original



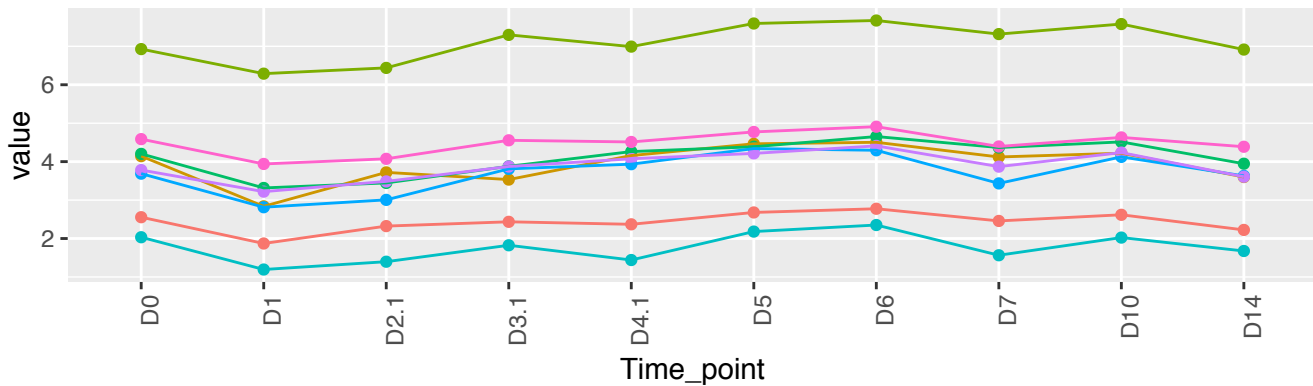
8 genes – WT-cluster-19-original



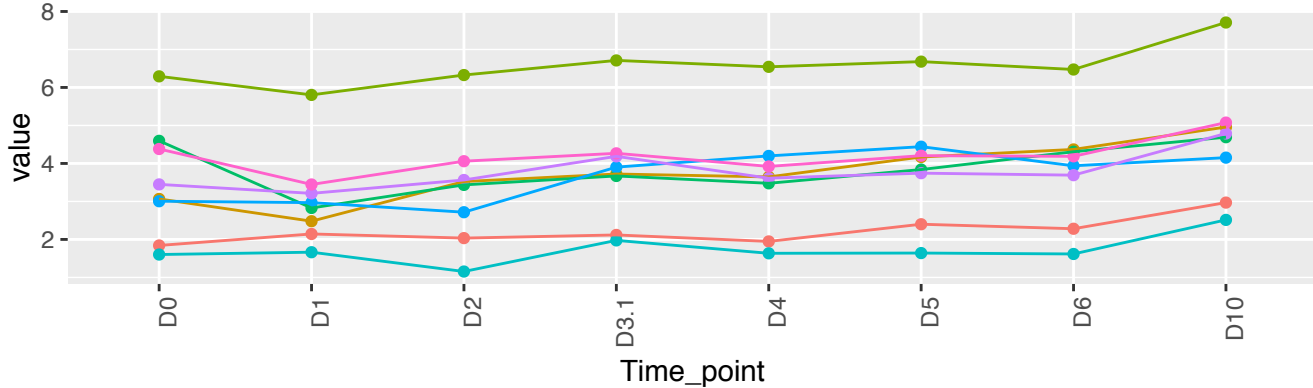
6 genes – KO-cluster-19-original



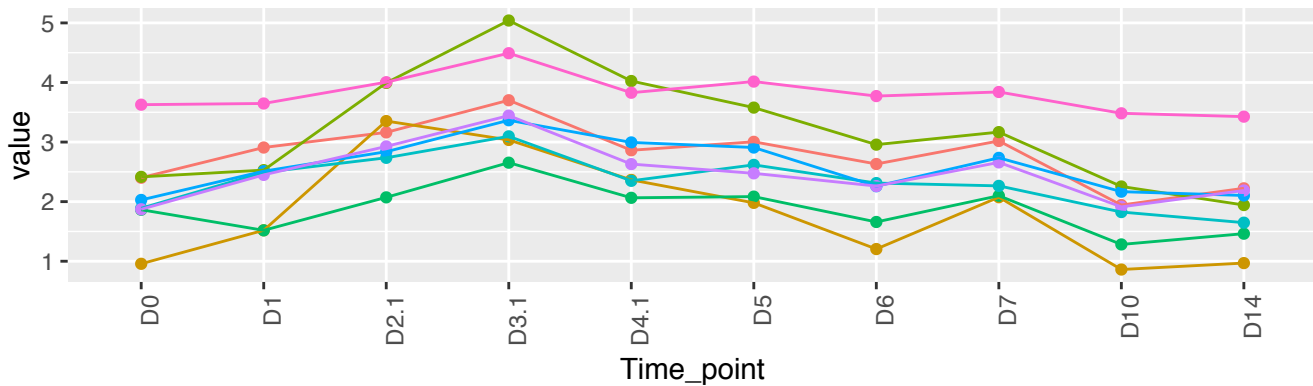
8 genes – WT-cluster-18-original



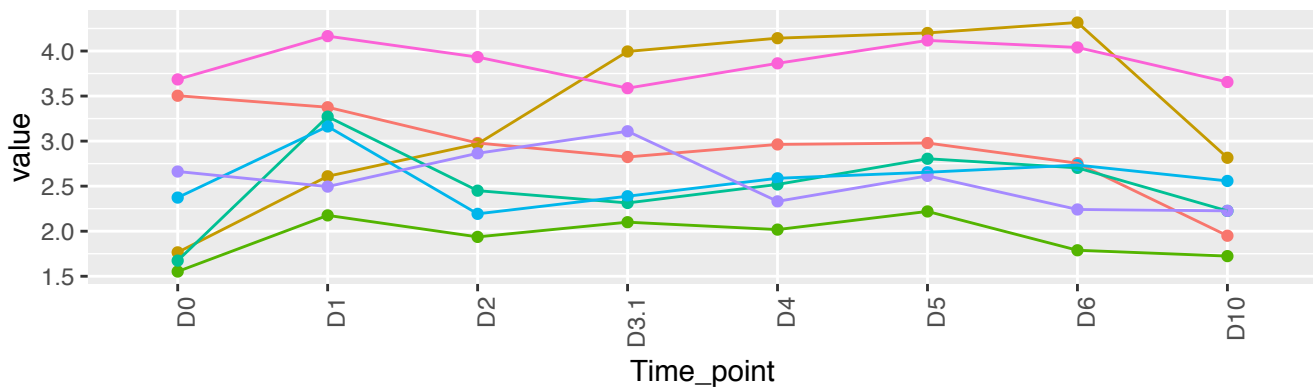
8 genes – KO-cluster-18-original



8 genes – WT-cluster-17-original

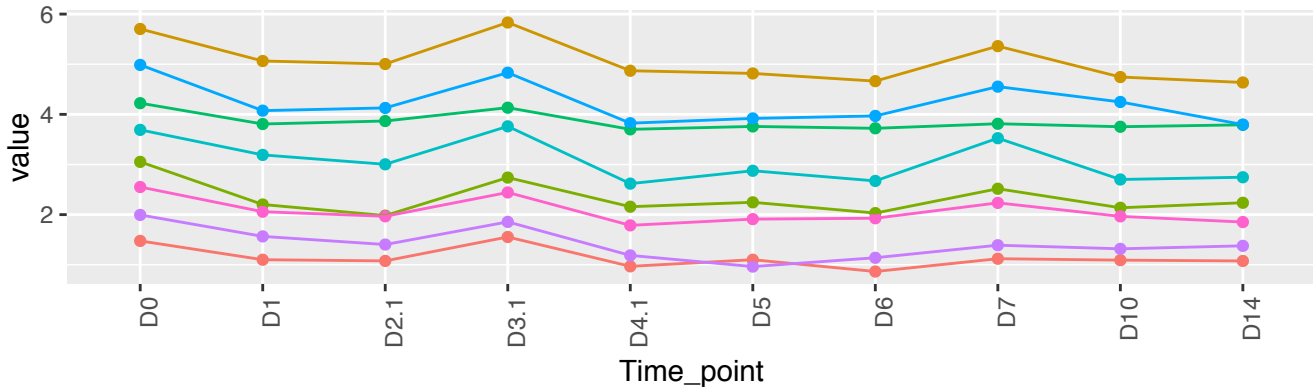


7 genes – KO-cluster-17-original

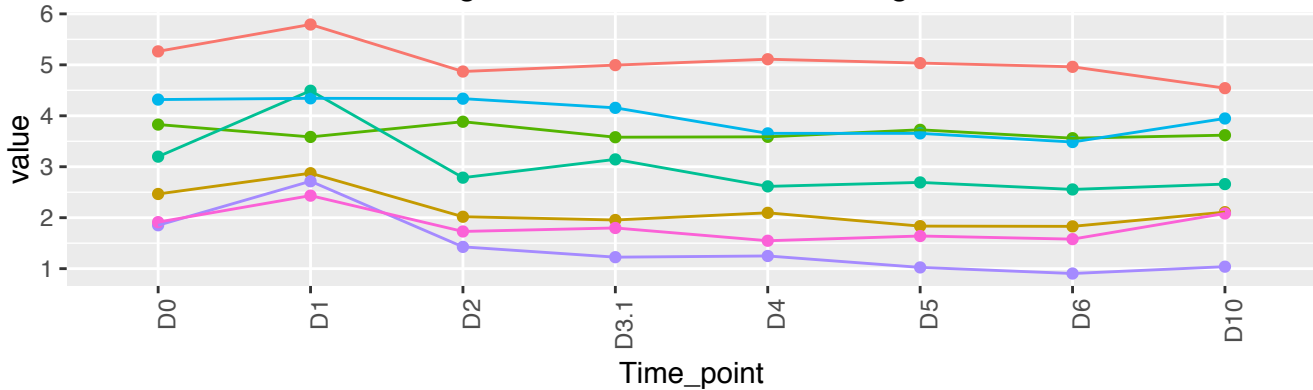




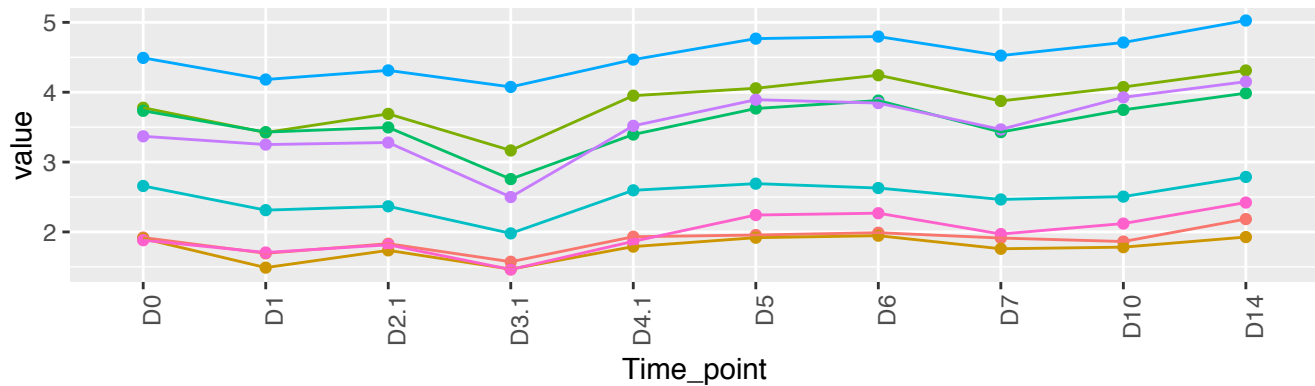
8 genes – WT-cluster-16-original



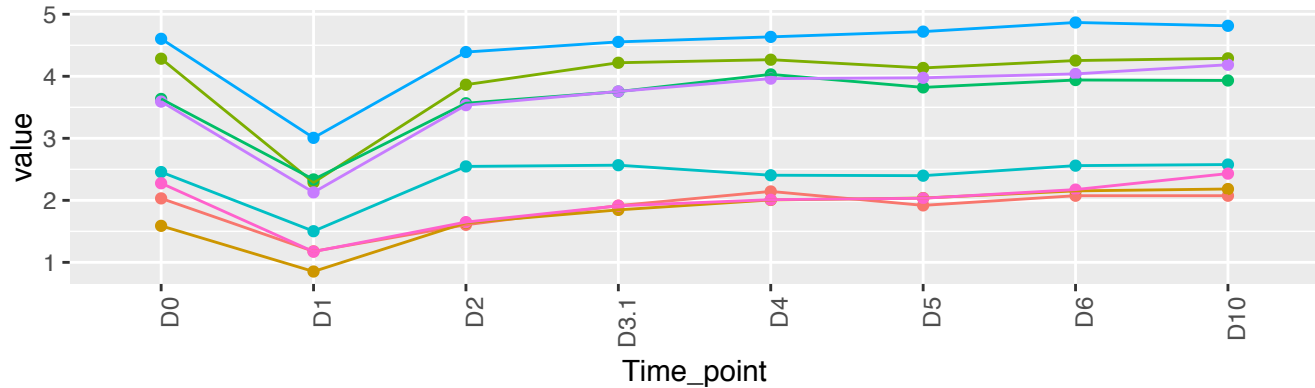
7 genes – KO-cluster-16-original



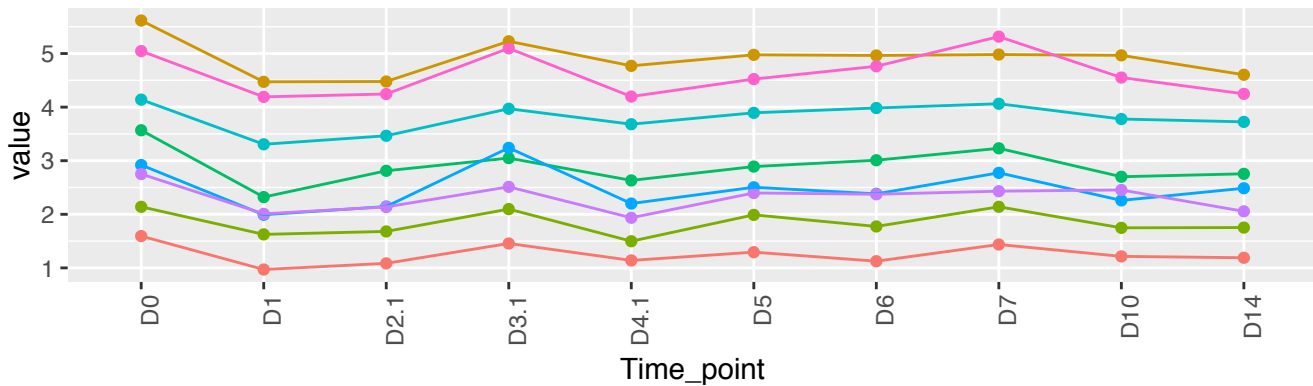
8 genes – WT-cluster-15-original



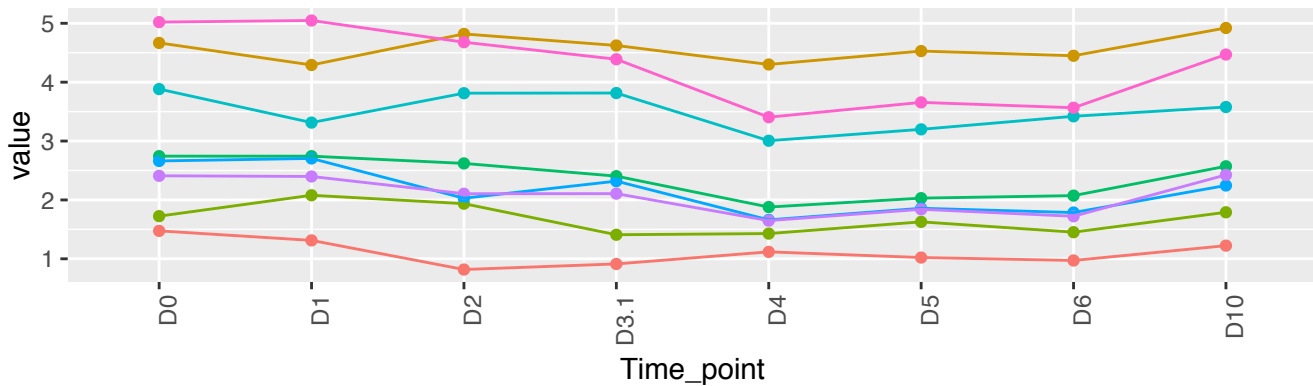
8 genes – KO-cluster-15-original



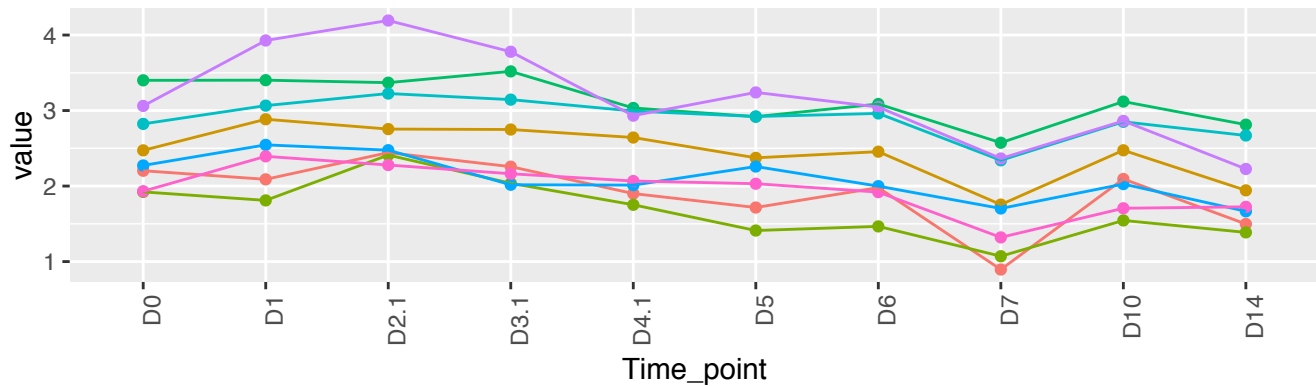
8 genes – WT-cluster-14-original



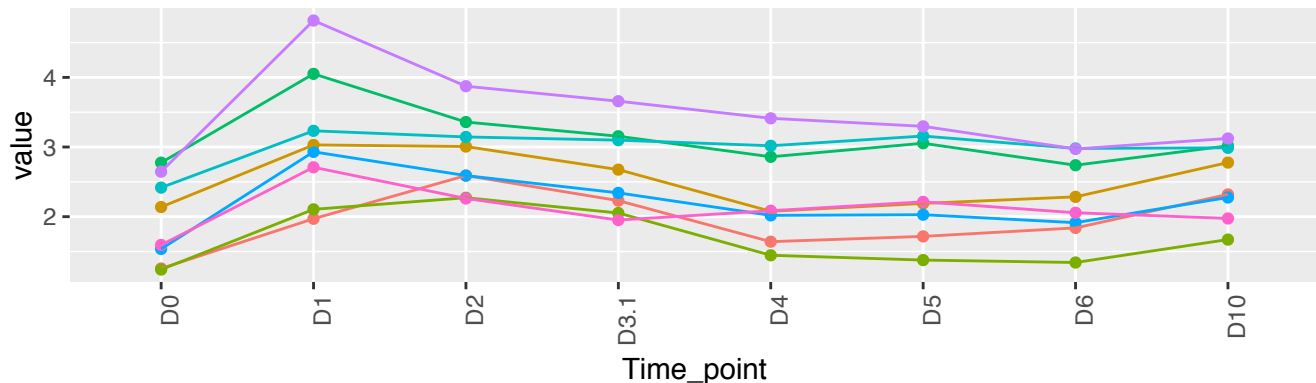
8 genes – KO-cluster-14-original



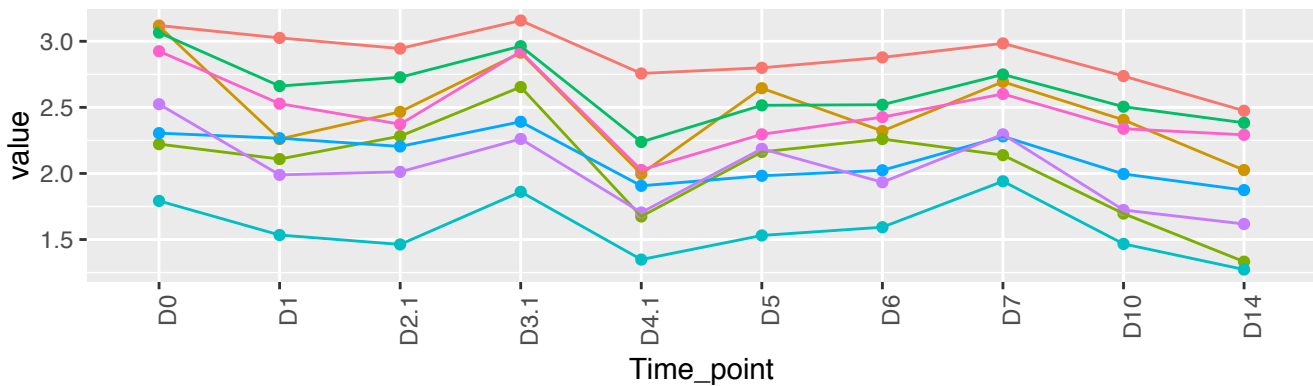
8 genes – WT-cluster-13-original



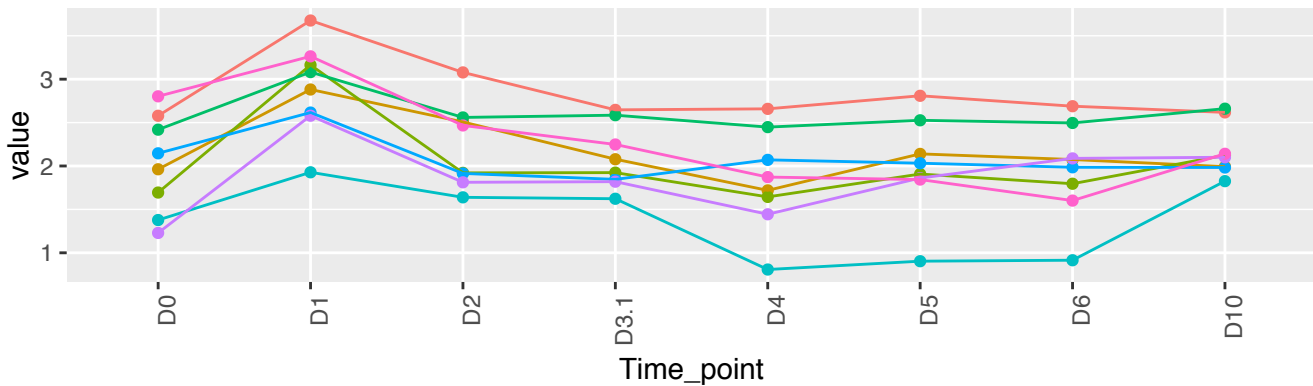
8 genes – KO-cluster-13-original



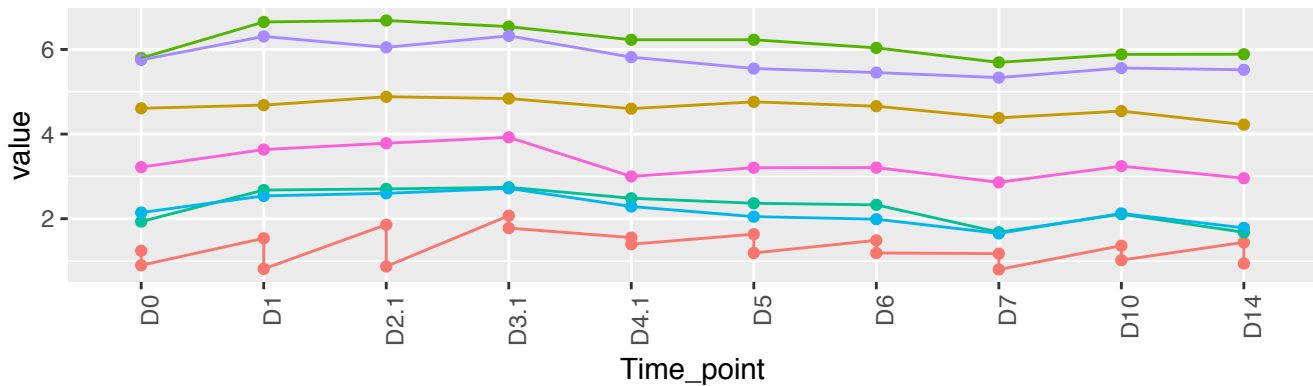
8 genes – WT-cluster-12-original



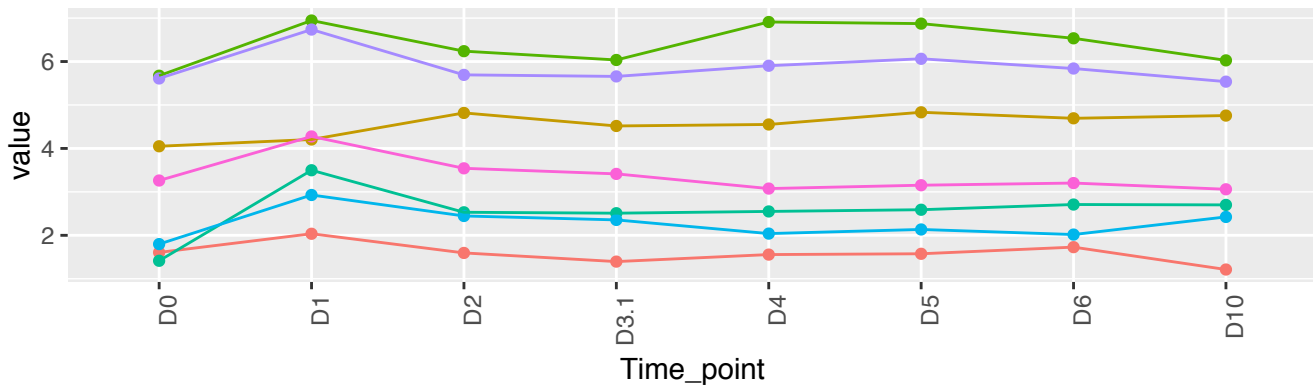
8 genes – KO-cluster-12-original



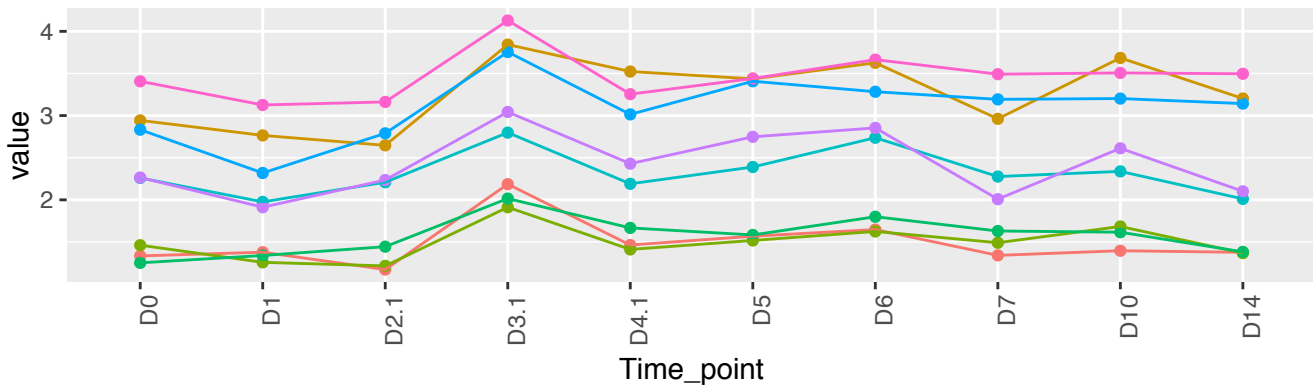
8 genes – WT-cluster-11-original



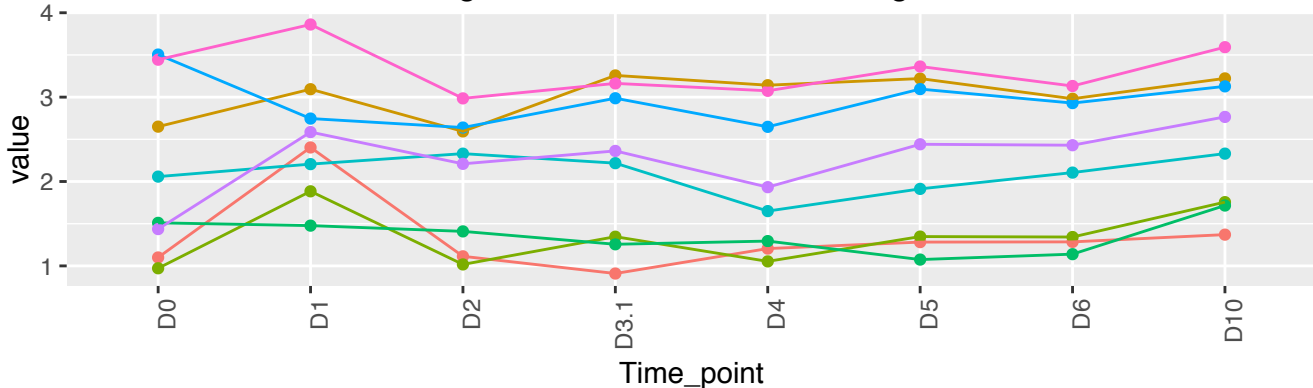
7 genes – KO-cluster-11-original



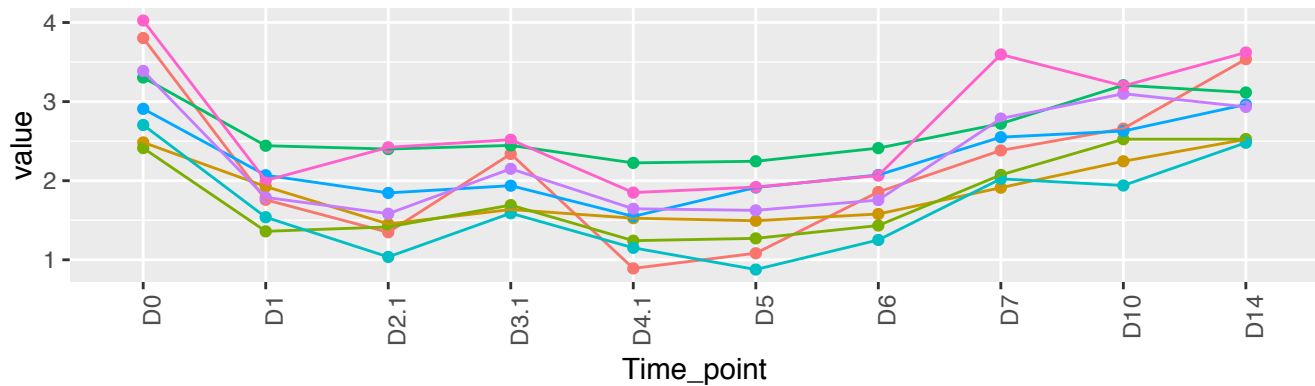
8 genes – WT-cluster-10-original



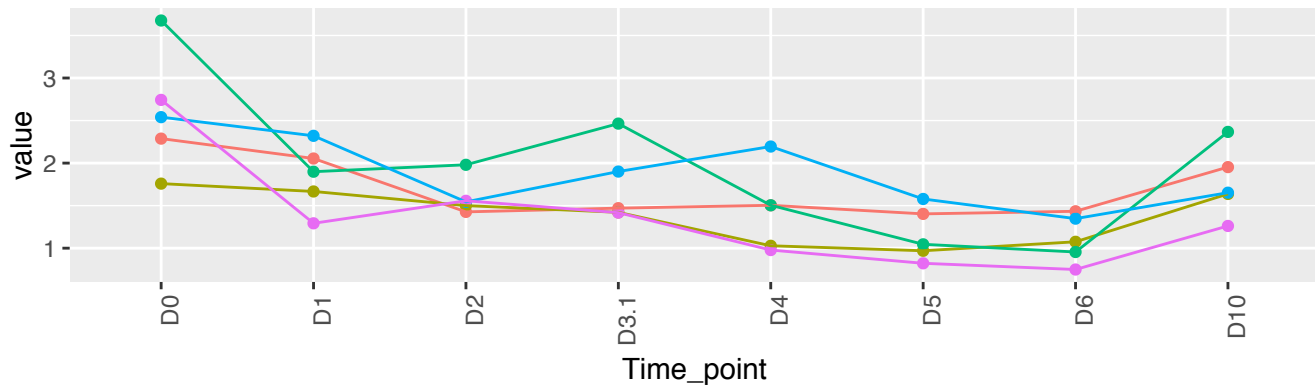
8 genes – KO-cluster-10-original



8 genes – WT-cluster-9-original

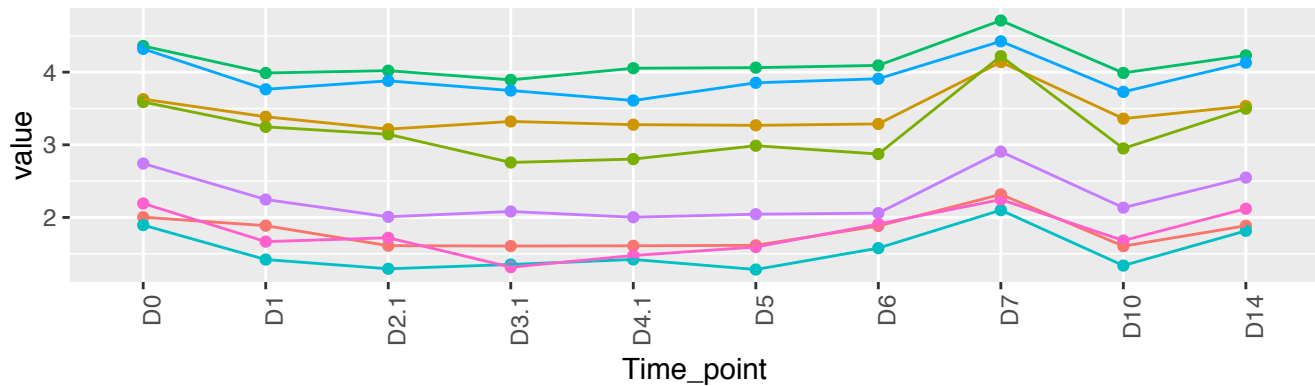


5 genes – KO-cluster-9-original

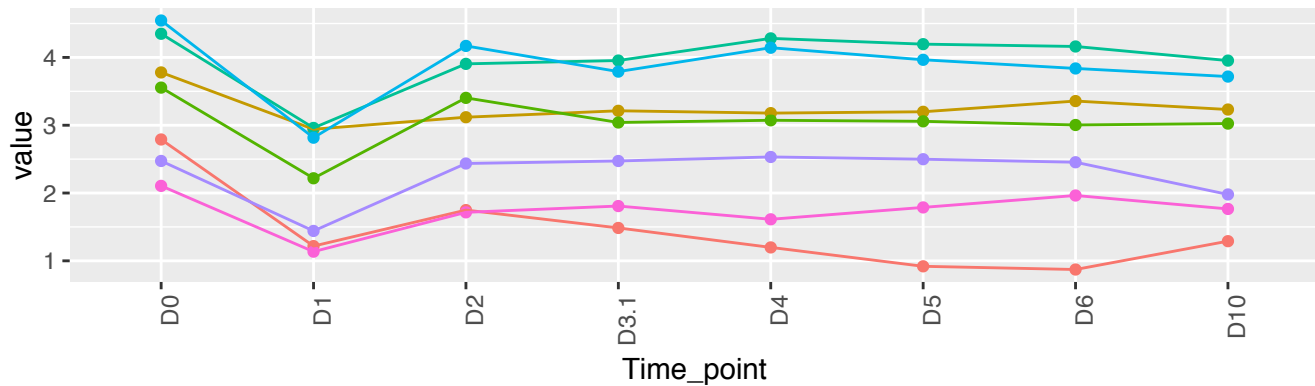




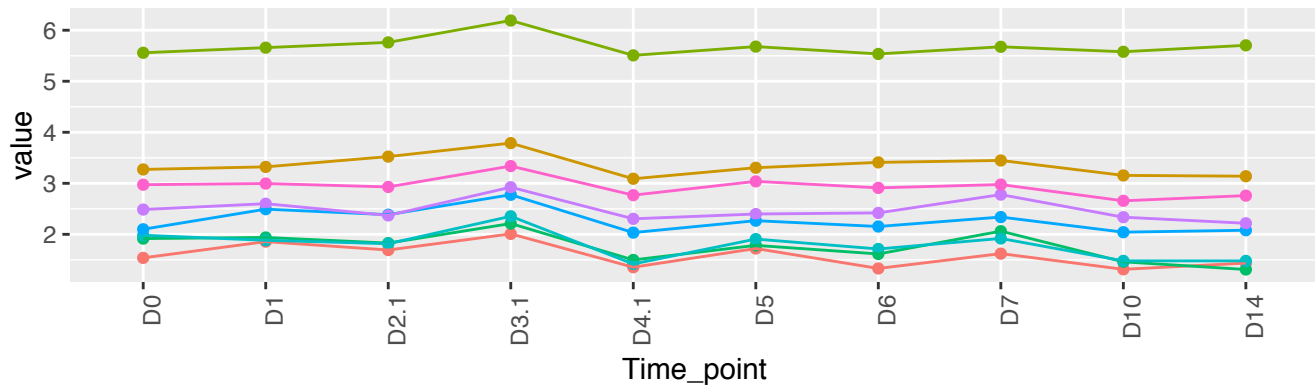
8 genes – WT-cluster-8-original



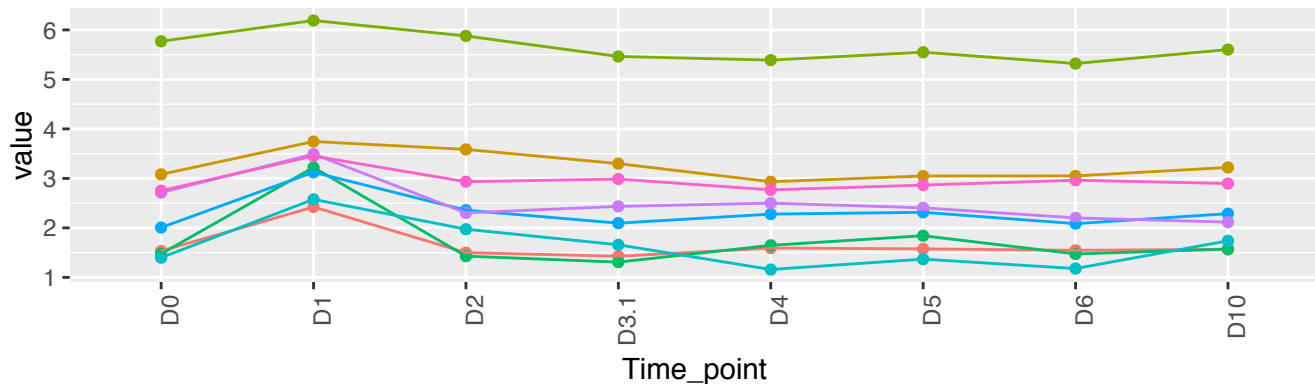
7 genes – KO-cluster-8-original



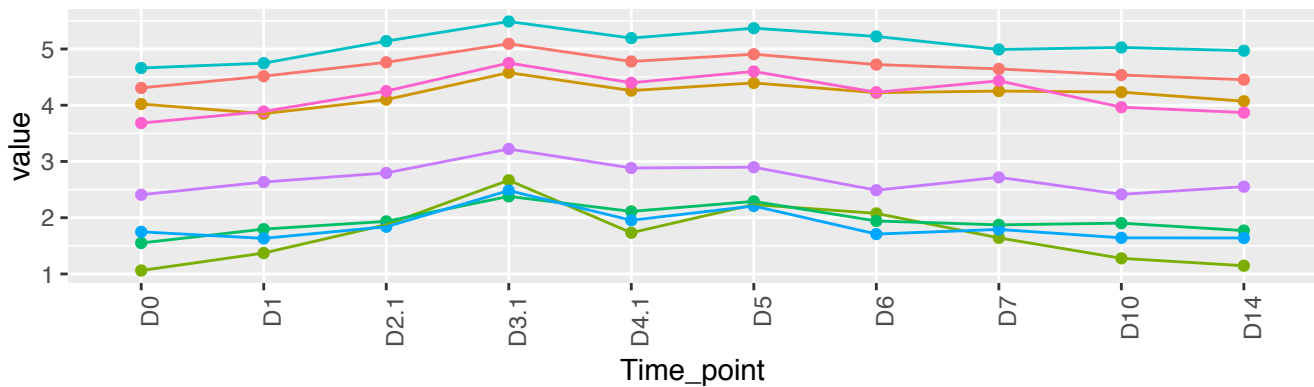
8 genes – WT-cluster-7-original



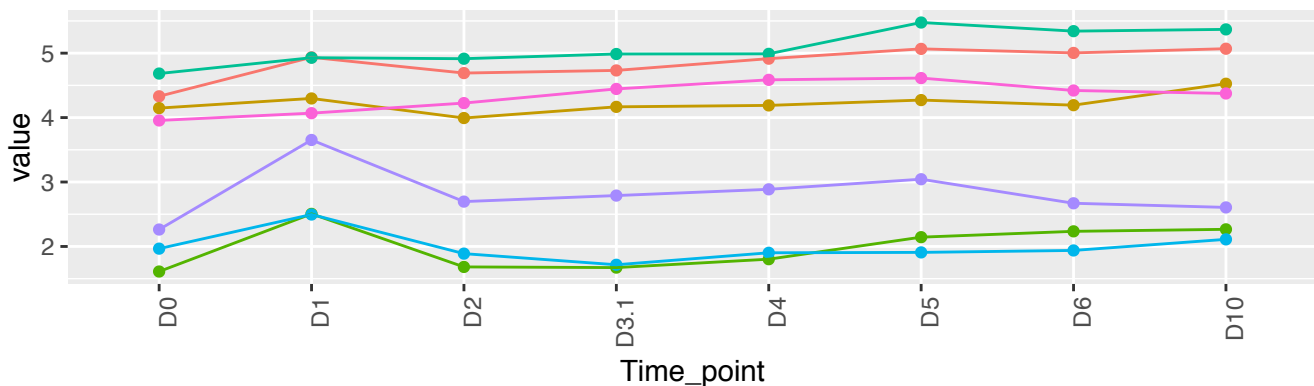
8 genes – KO-cluster-7-original



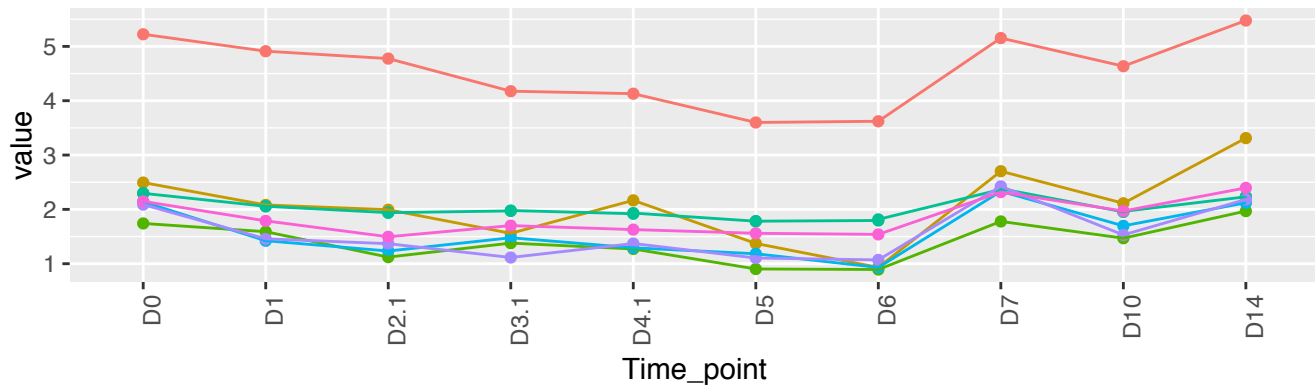
8 genes – WT-cluster-6-original



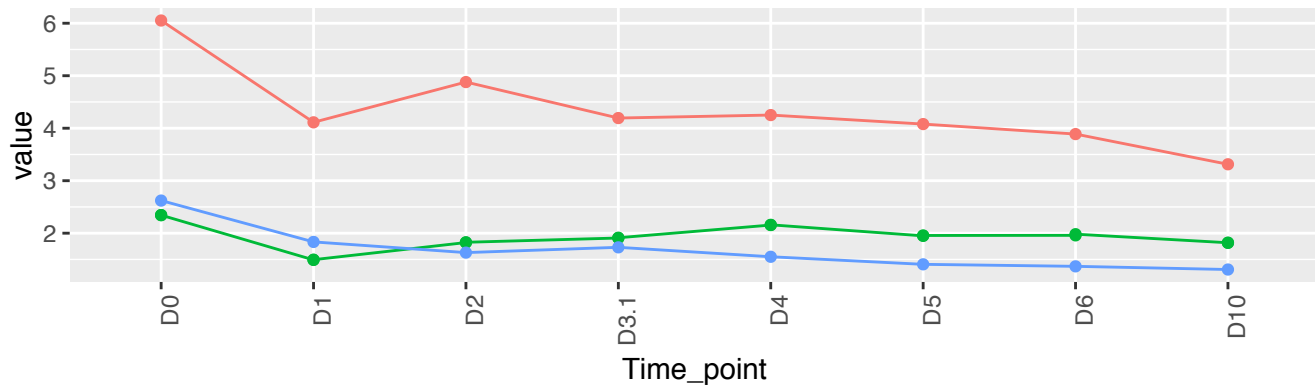
7 genes – KO-cluster-6-original



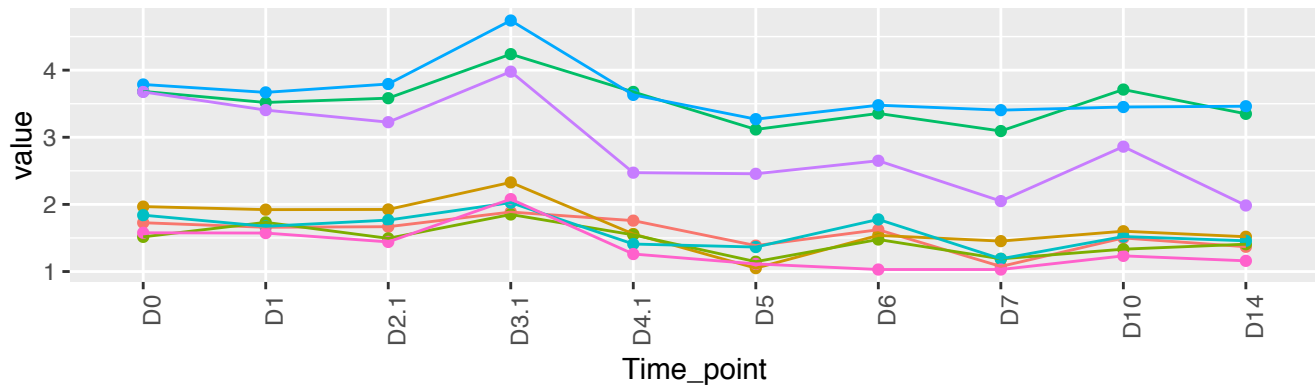
8 genes – WT-cluster-5-original



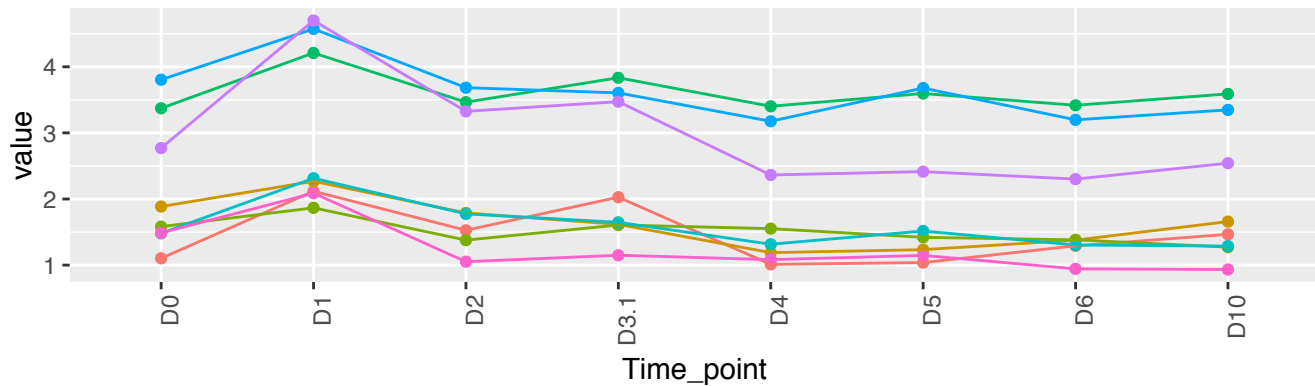
4 genes – KO-cluster-5-original



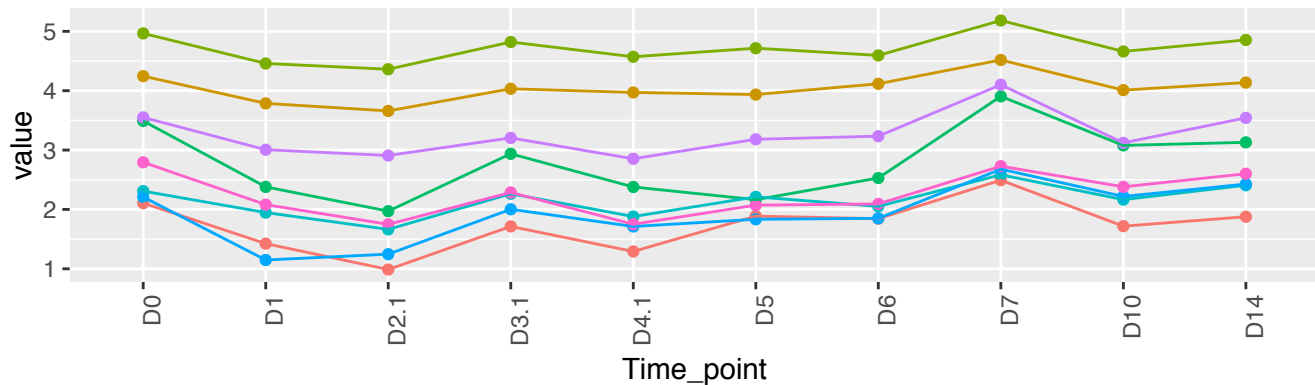
8 genes – WT-cluster-4-original



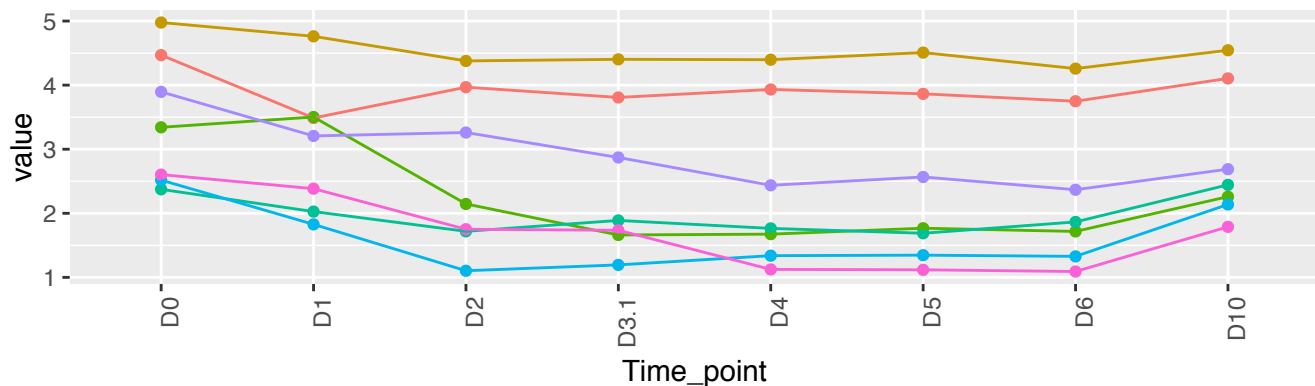
8 genes – KO-cluster-4-original



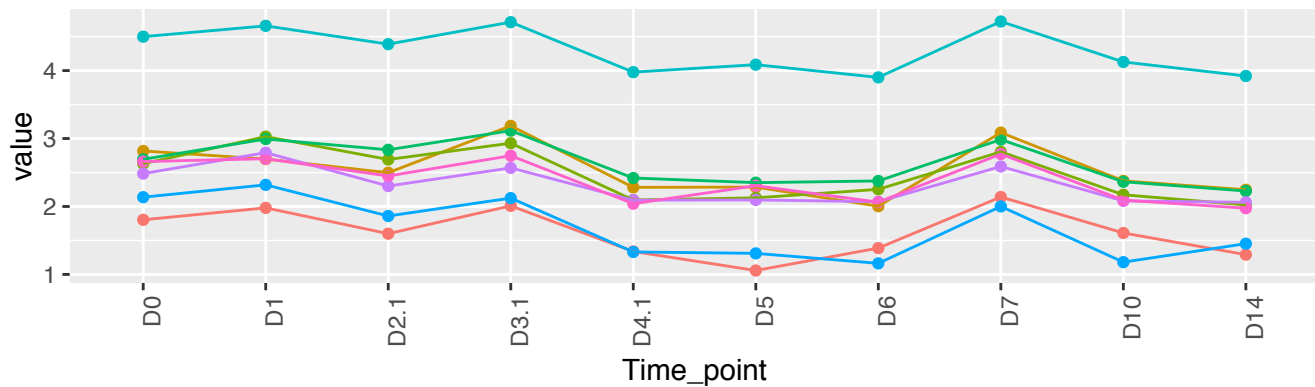
8 genes – WT-cluster-3-original



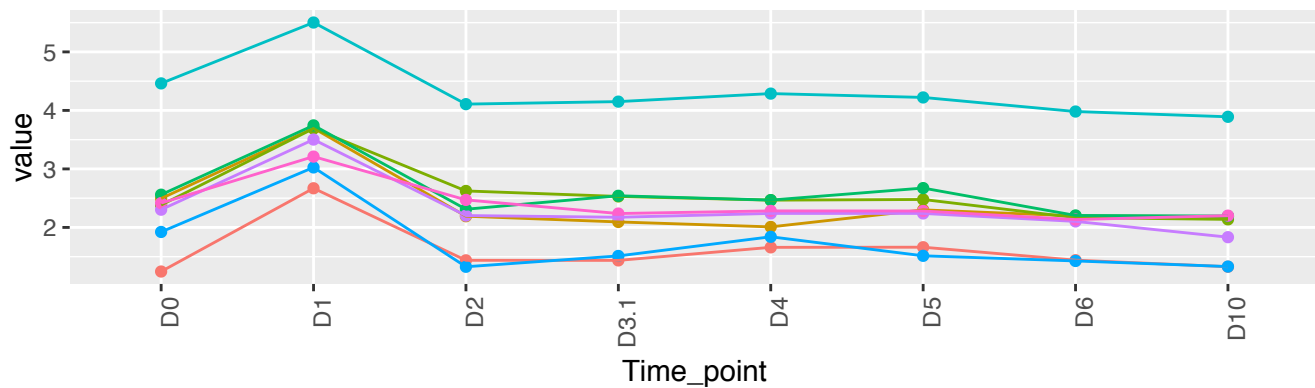
7 genes – KO-cluster-3-original



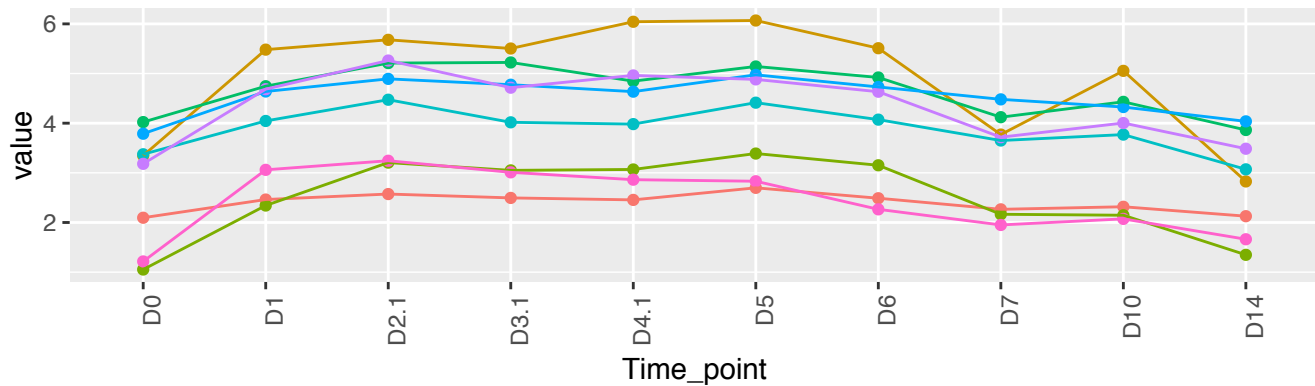
8 genes – WT-cluster-2-original



8 genes – KO-cluster-2-original



8 genes – WT-cluster-1-original



8 genes – KO-cluster-1-original

