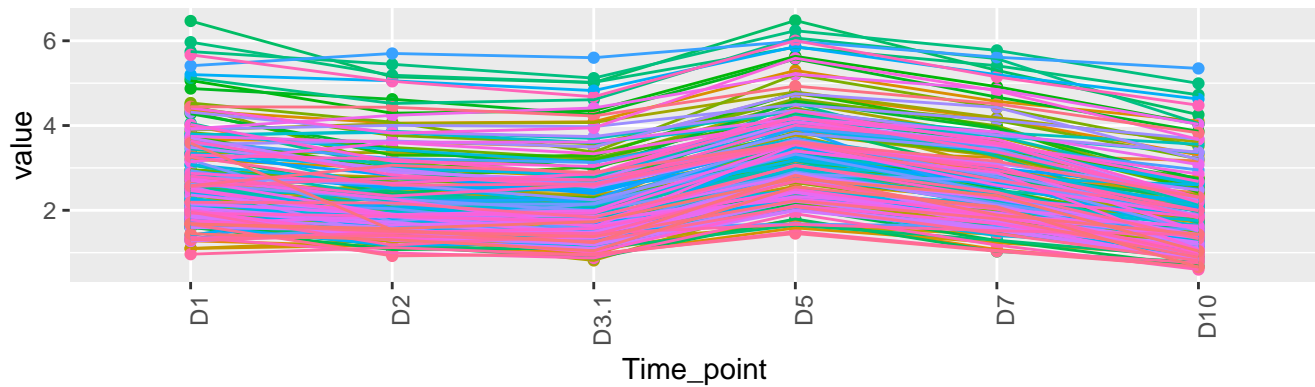
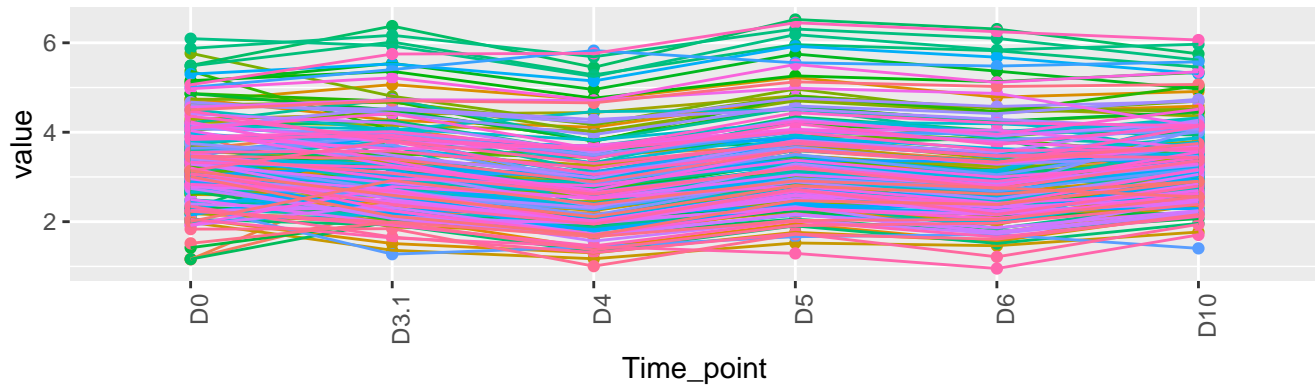


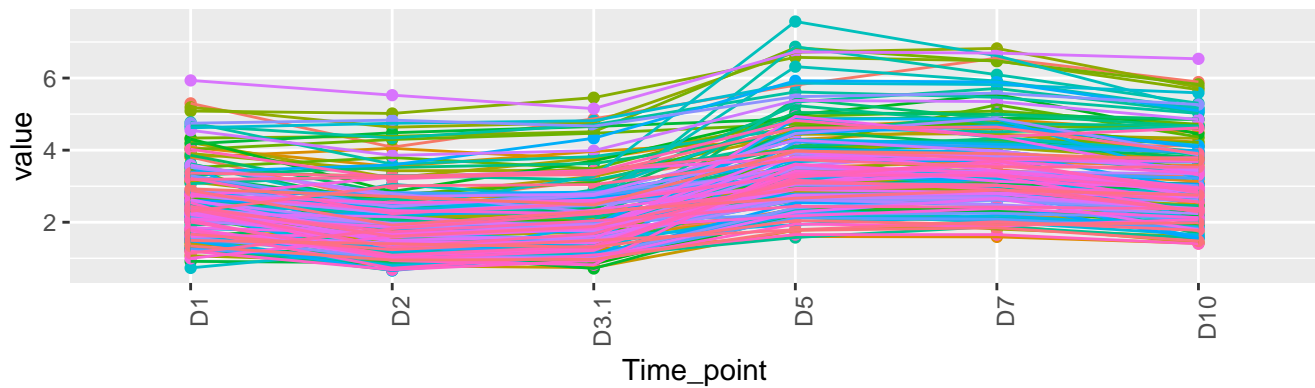
169 genes – WT-cluster-300-original



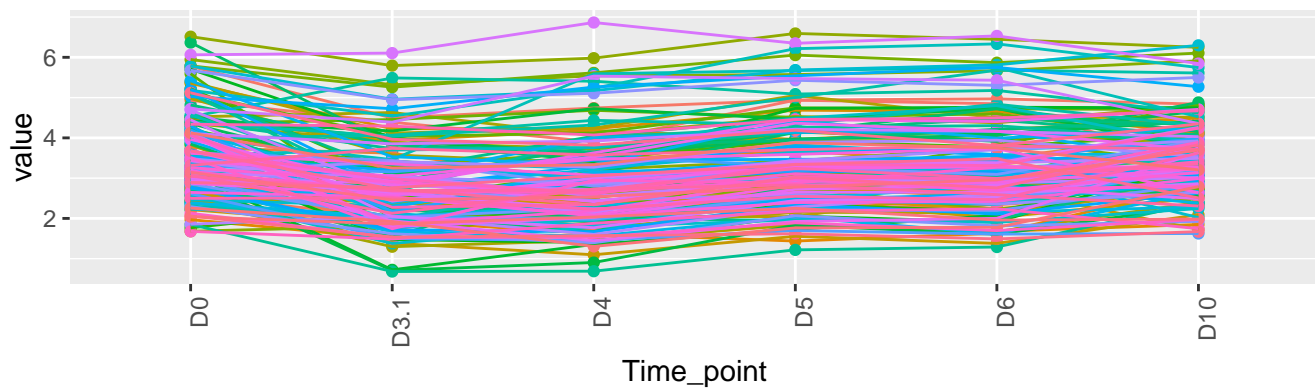
169 genes – KO-cluster-300-original



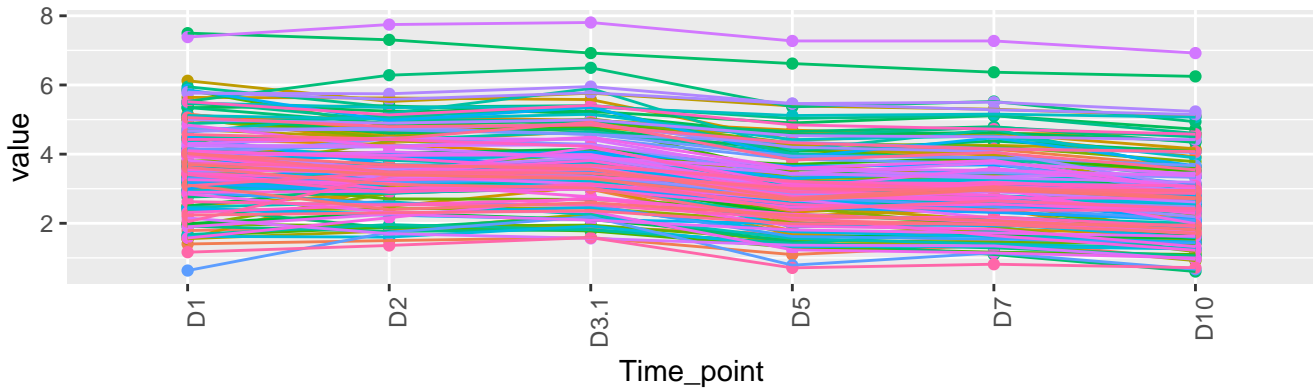
150 genes – WT-cluster-299-original



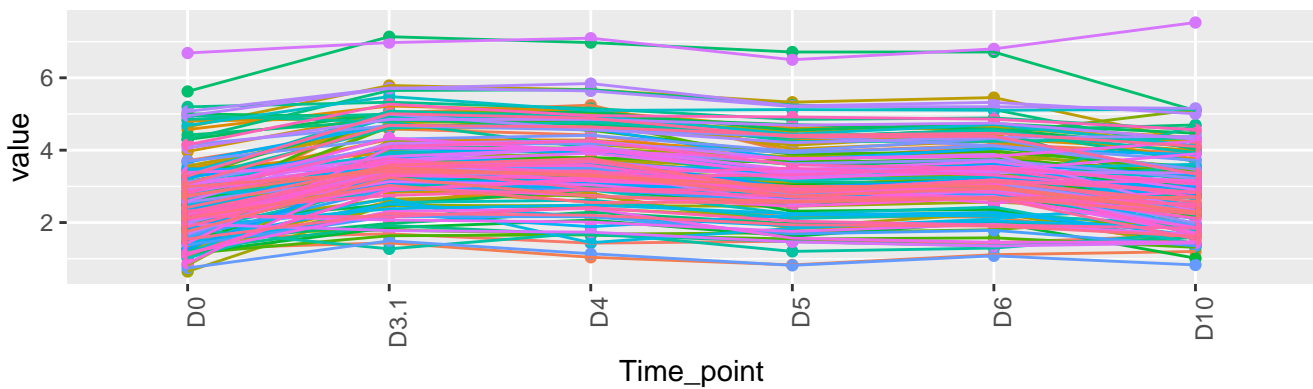
150 genes – KO-cluster-299-original



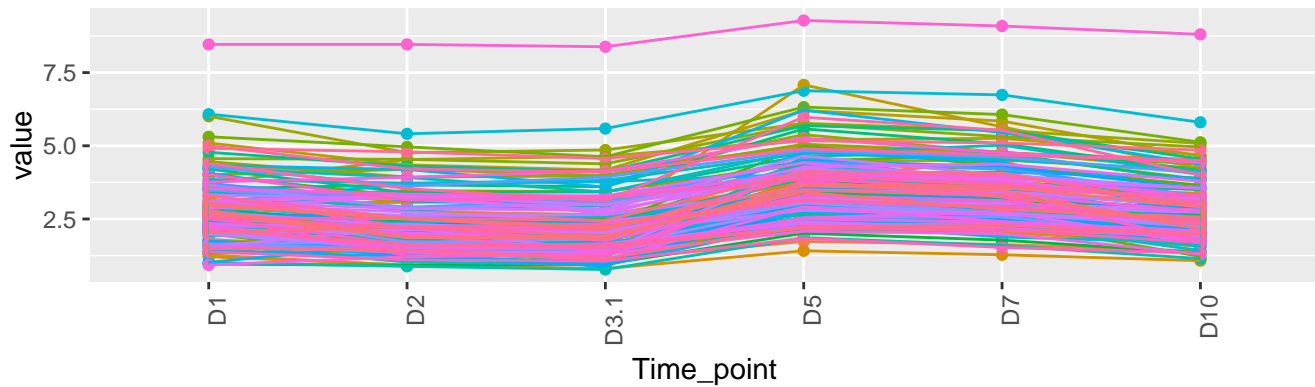
149 genes – WT-cluster-298-original



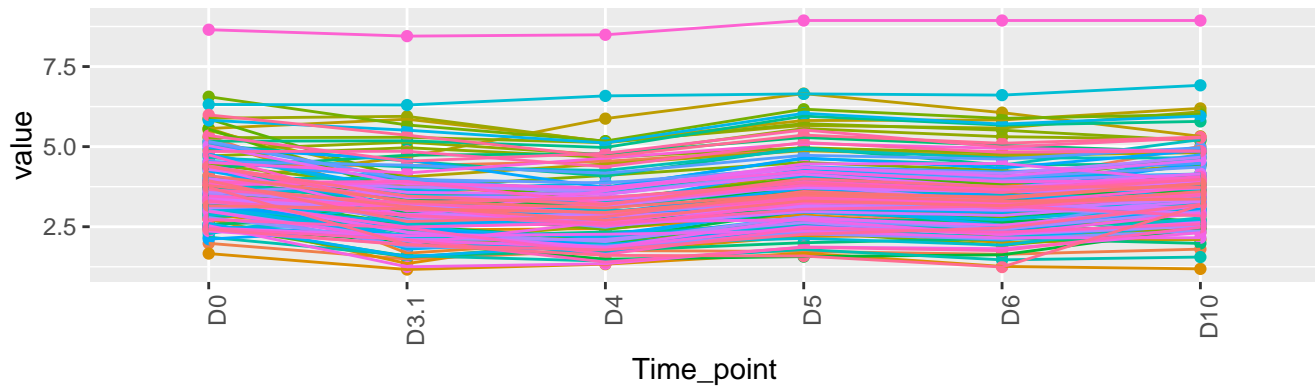
148 genes – KO-cluster-298-original



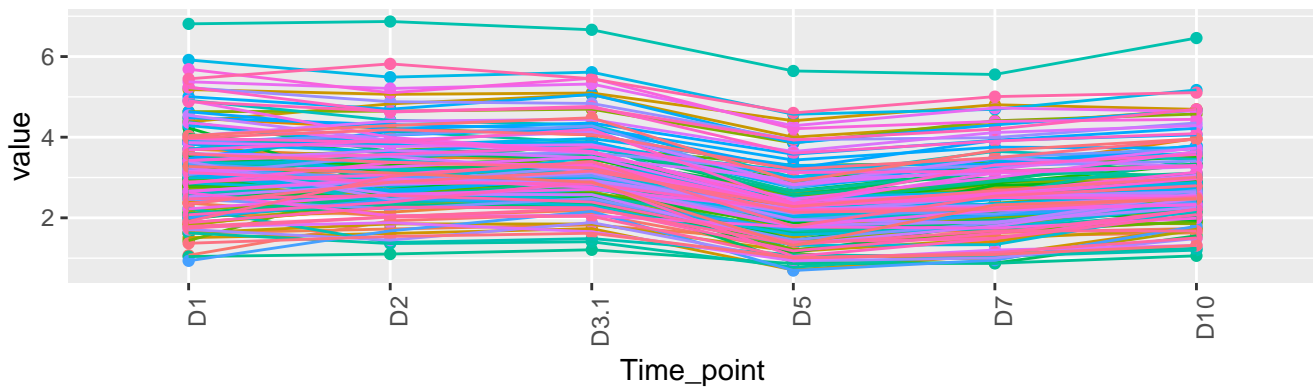
148 genes – WT-cluster-297-original



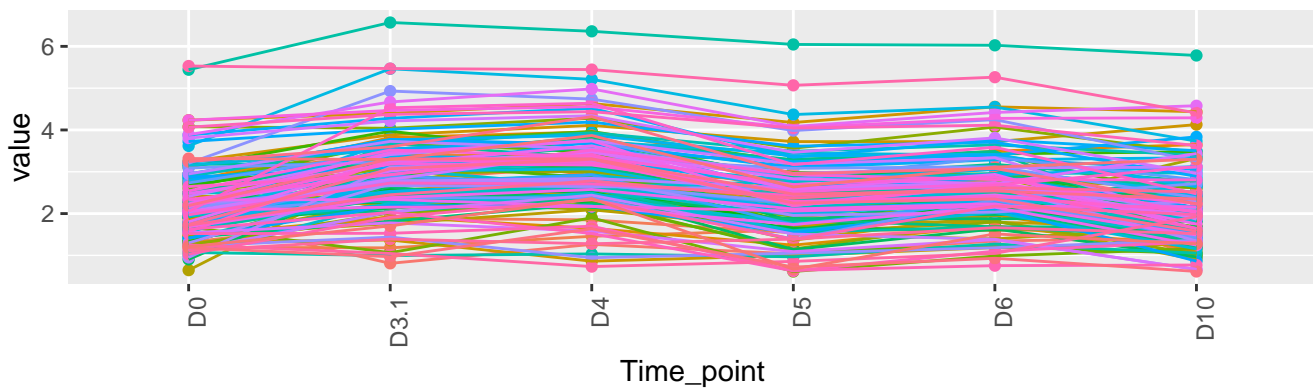
148 genes – KO-cluster-297-original



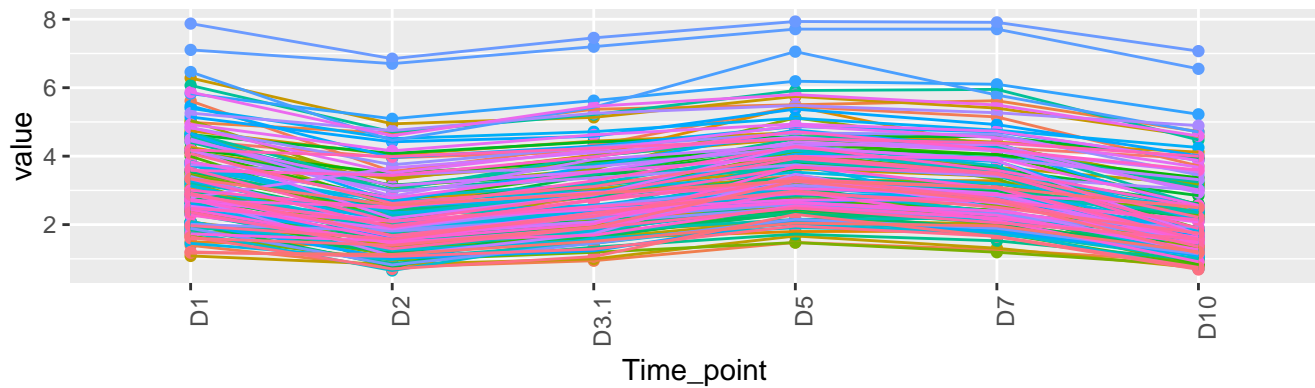
142 genes – WT-cluster-296-original



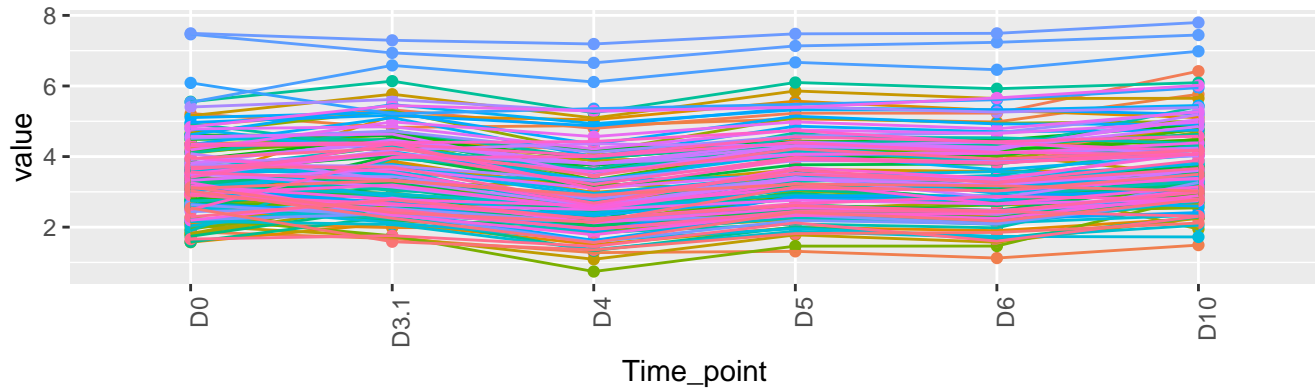
137 genes – KO-cluster-296-original



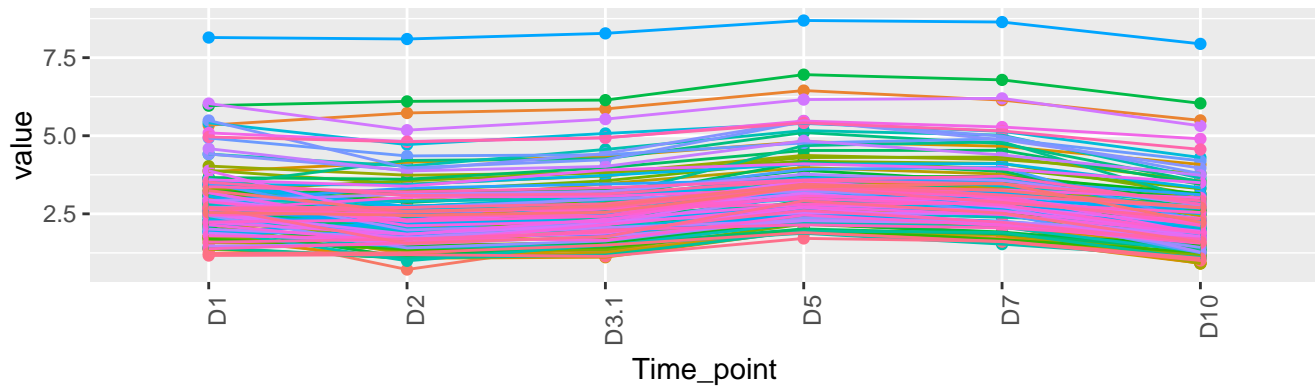
131 genes – WT-cluster-295-original



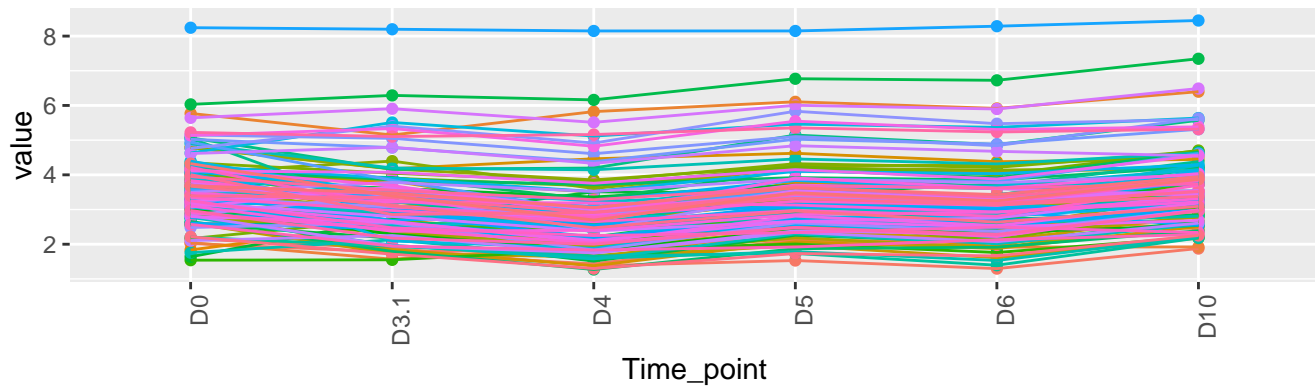
131 genes – KO-cluster-295-original



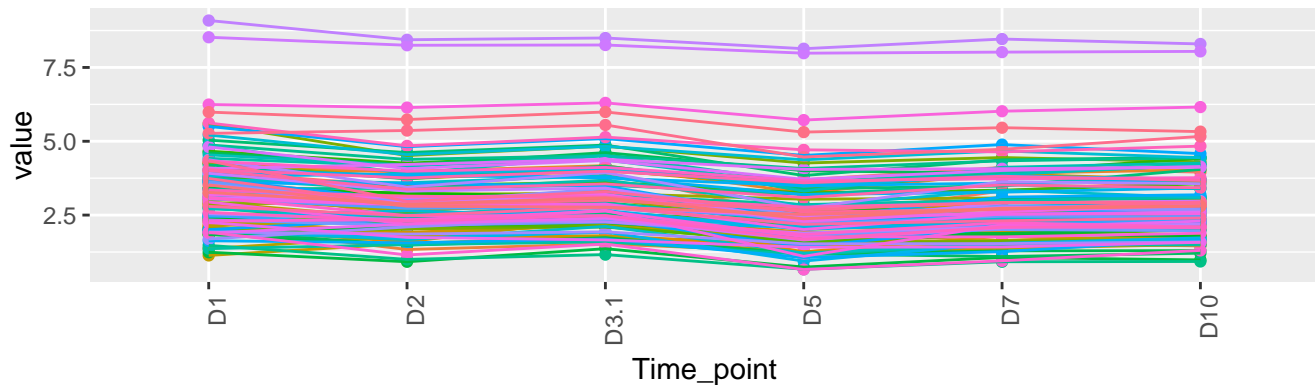
119 genes – WT-cluster-294-original



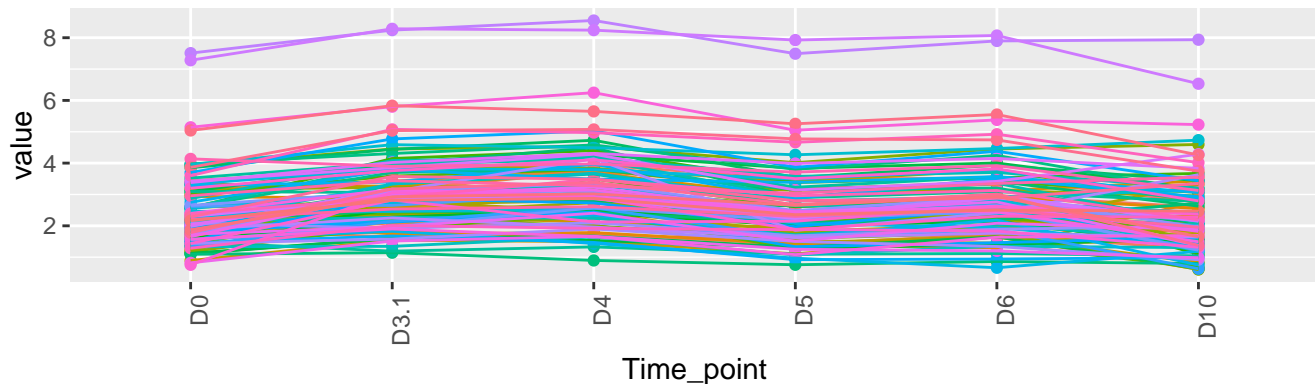
118 genes – KO-cluster-294-original



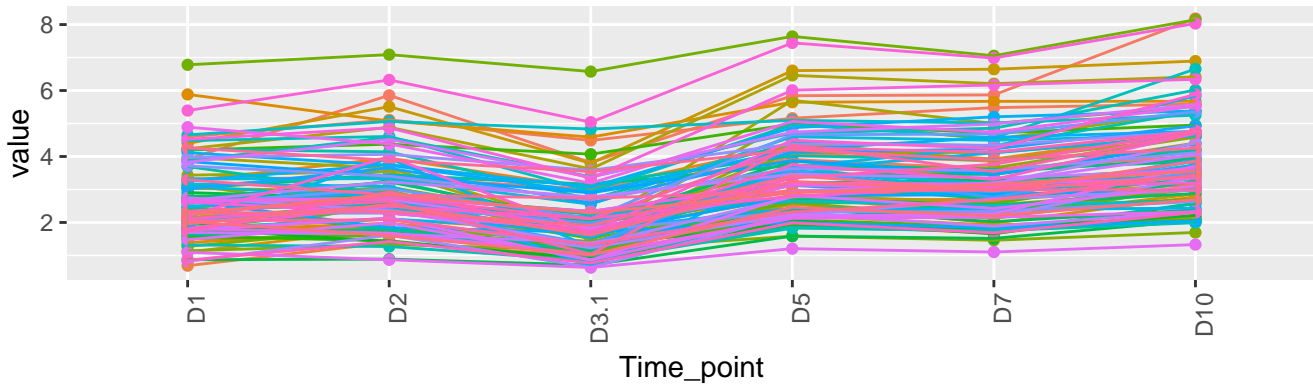
112 genes – WT-cluster-293-original



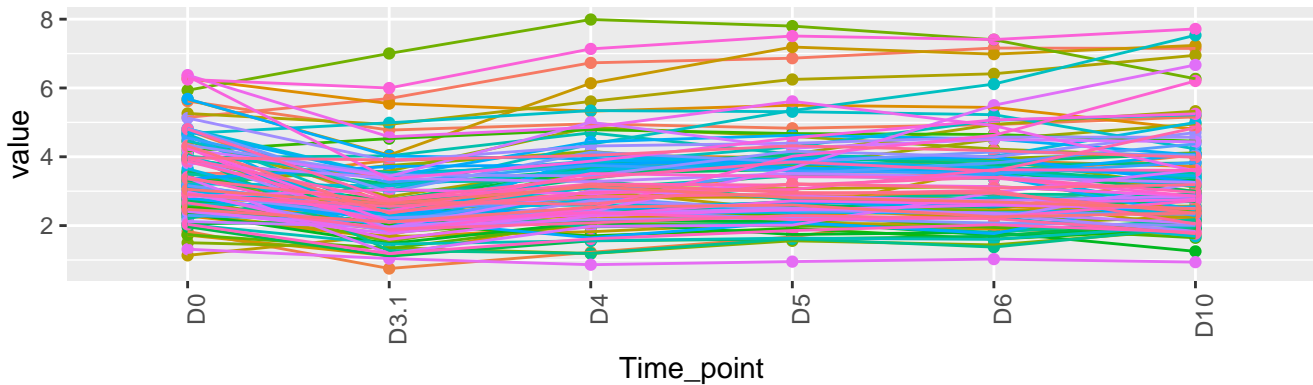
108 genes – KO-cluster-293-original



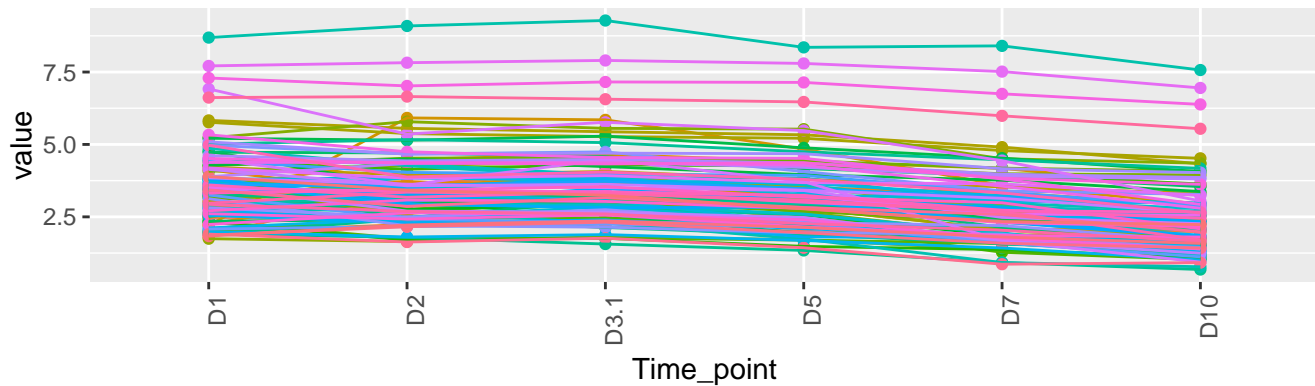
104 genes – WT-cluster-292-original



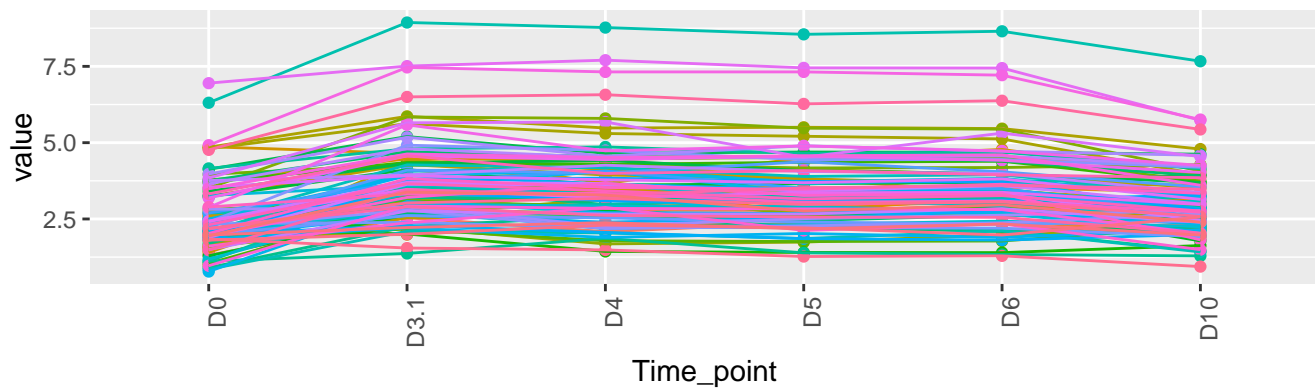
103 genes – KO-cluster-292-original



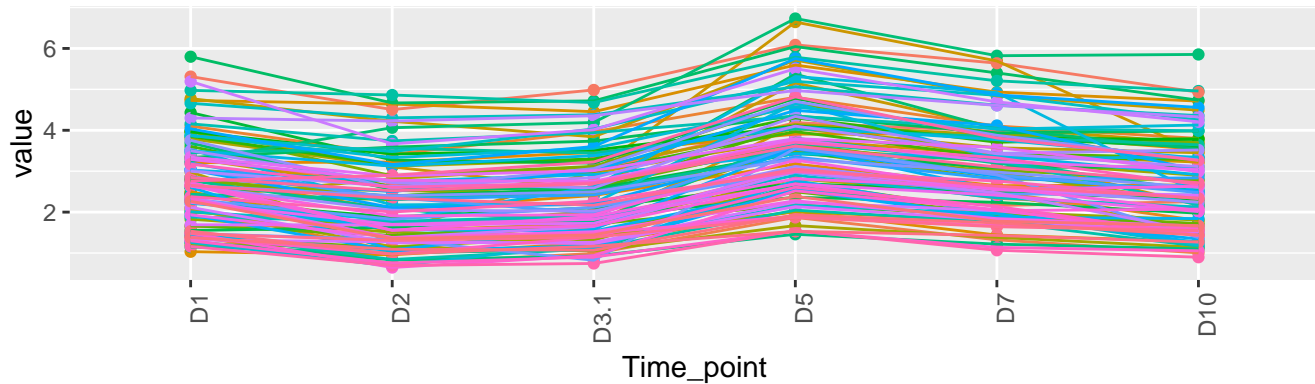
104 genes – WT-cluster-291-original



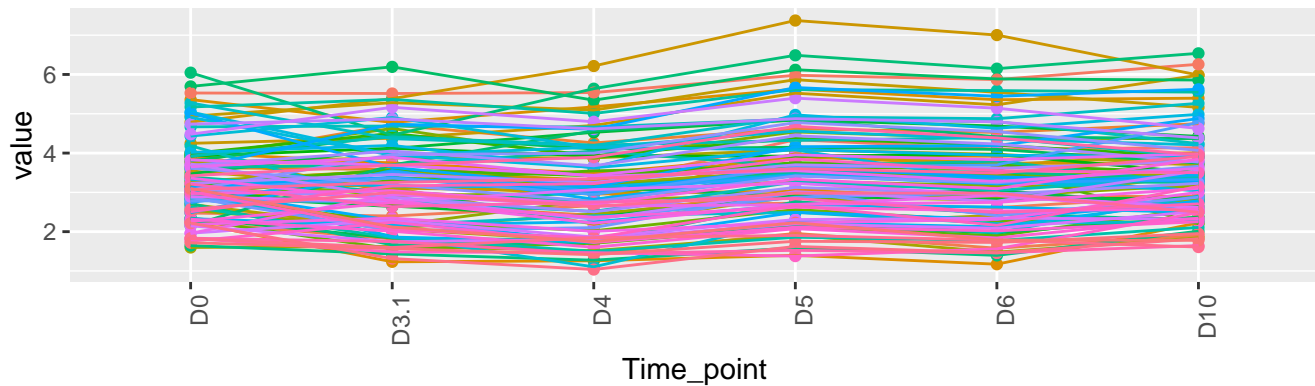
103 genes – KO-cluster-291-original



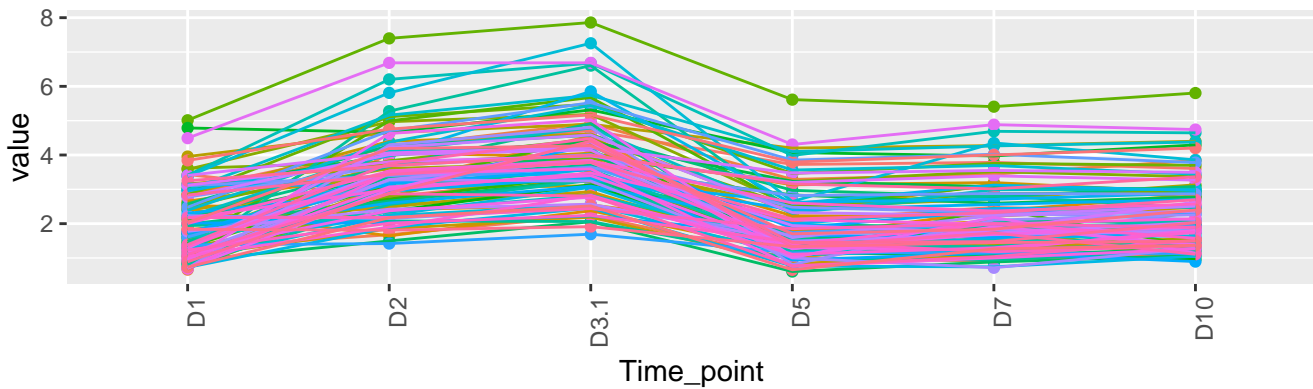
102 genes – WT-cluster-290-original



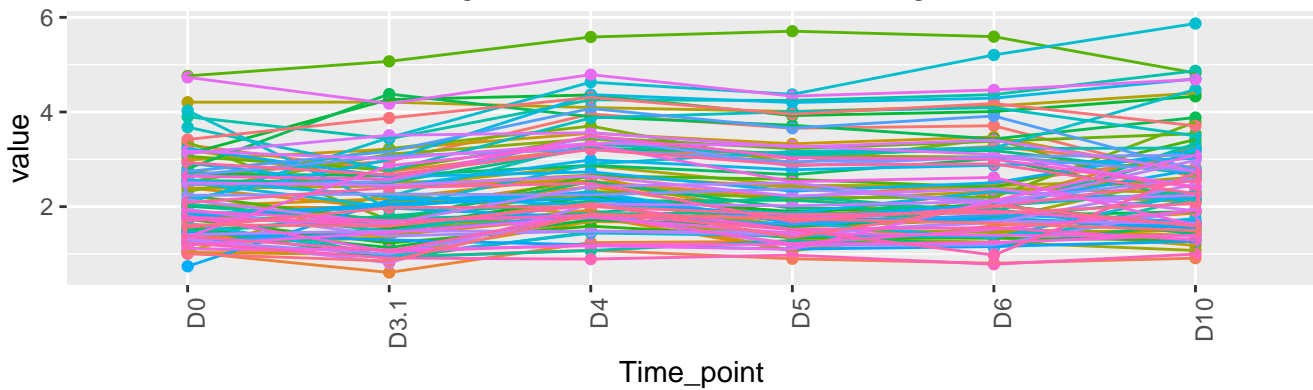
102 genes – KO-cluster-290-original



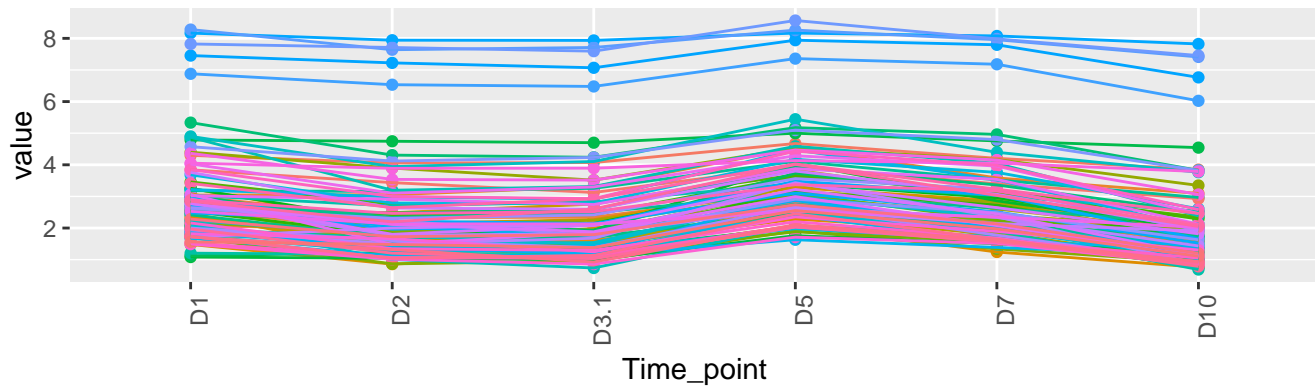
102 genes – WT-cluster-289-original



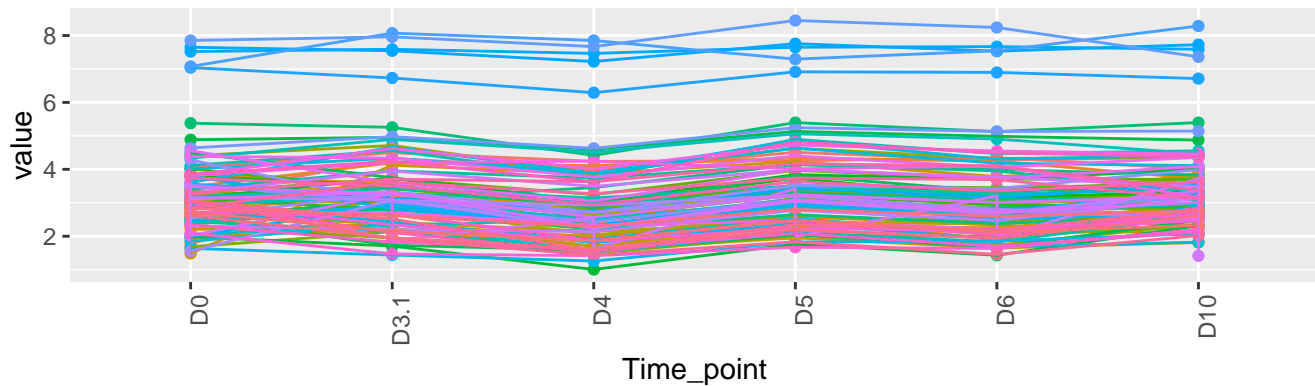
85 genes – KO-cluster-289-original



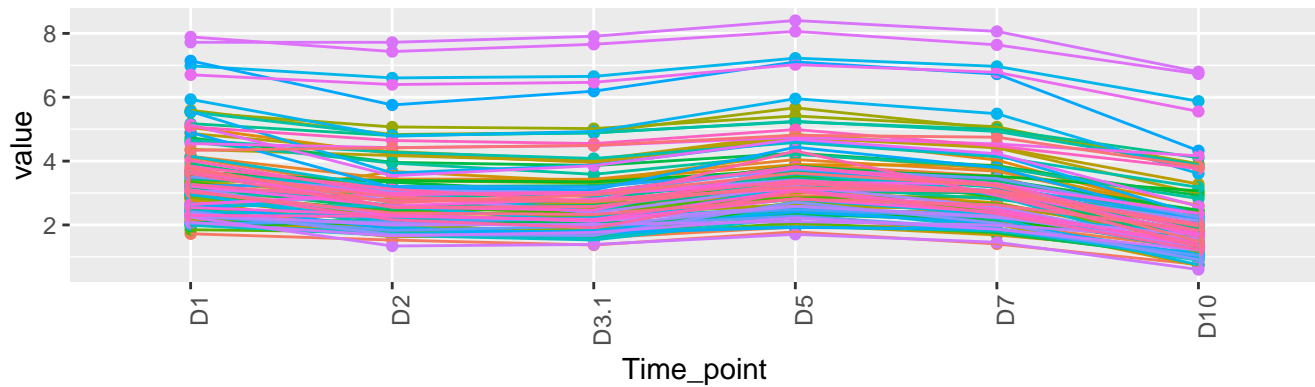
95 genes – WT-cluster-288-original



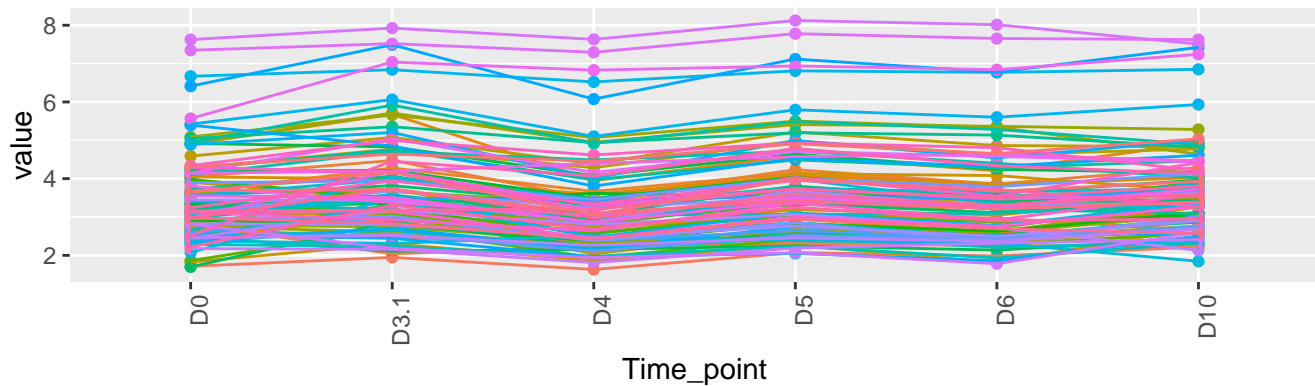
94 genes – KO-cluster-288-original



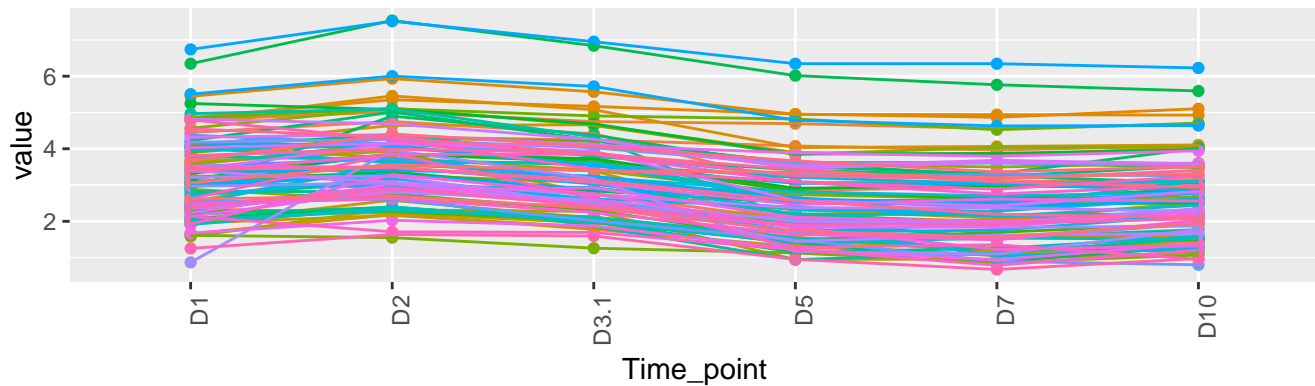
93 genes – WT-cluster-287-original



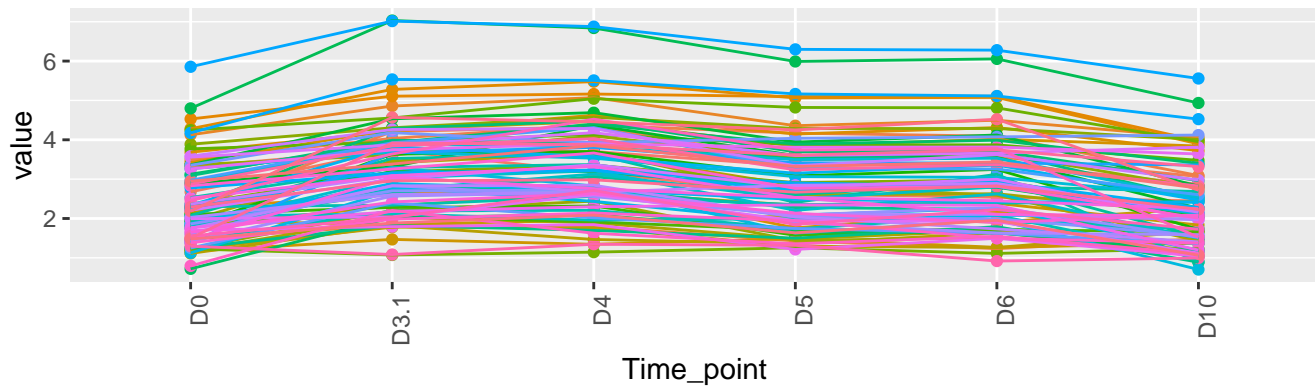
93 genes – KO-cluster-287-original



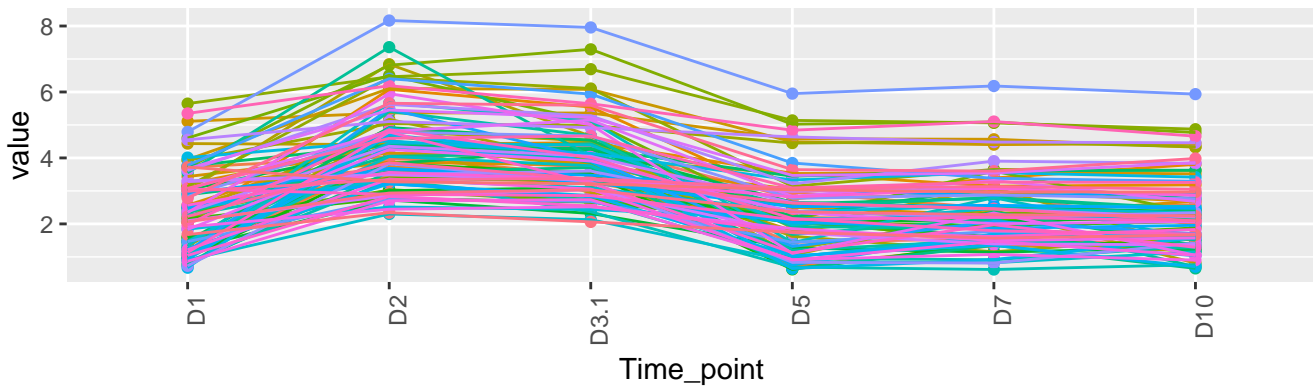
91 genes – WT-cluster-286-original



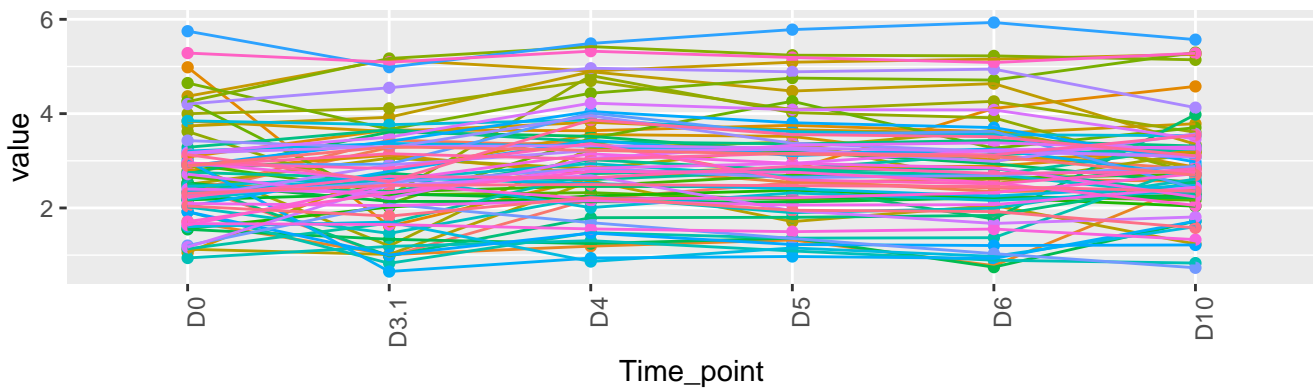
90 genes – KO-cluster-286-original



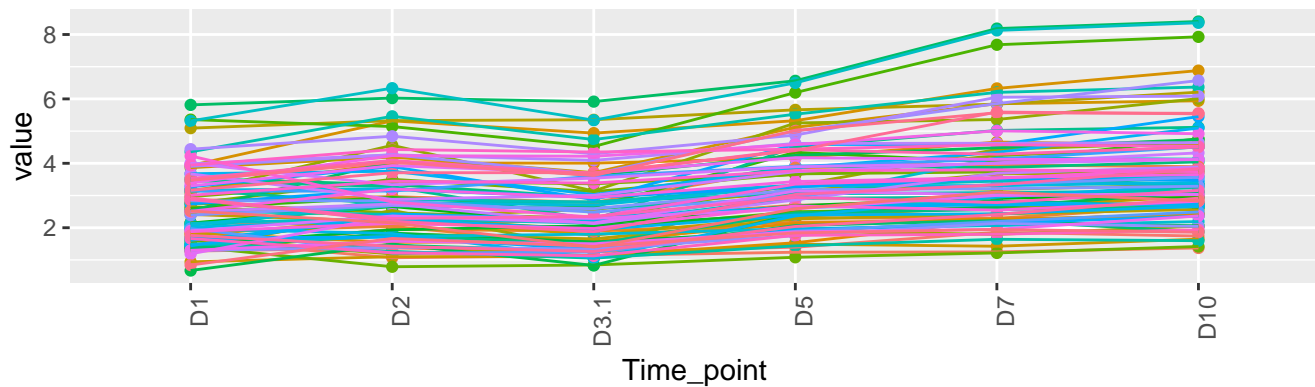
90 genes – WT-cluster-285-original



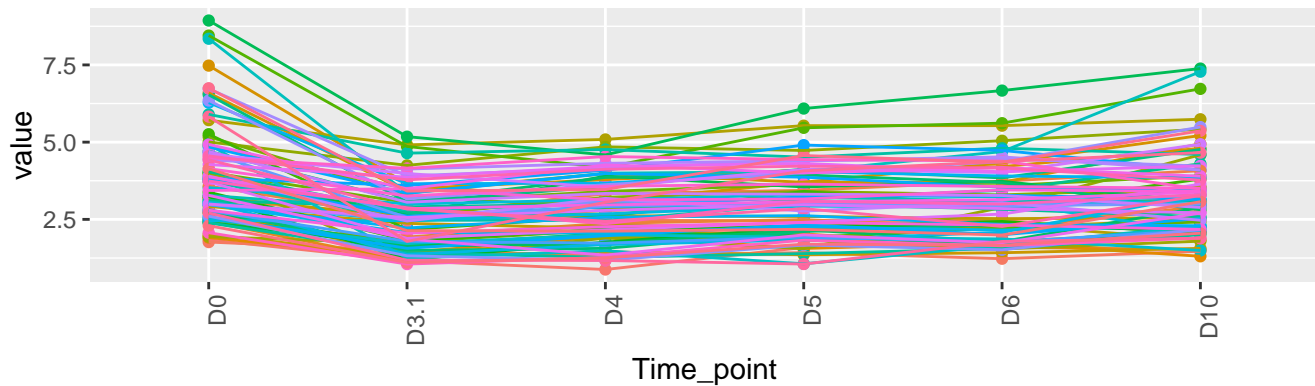
71 genes – KO-cluster-285-original



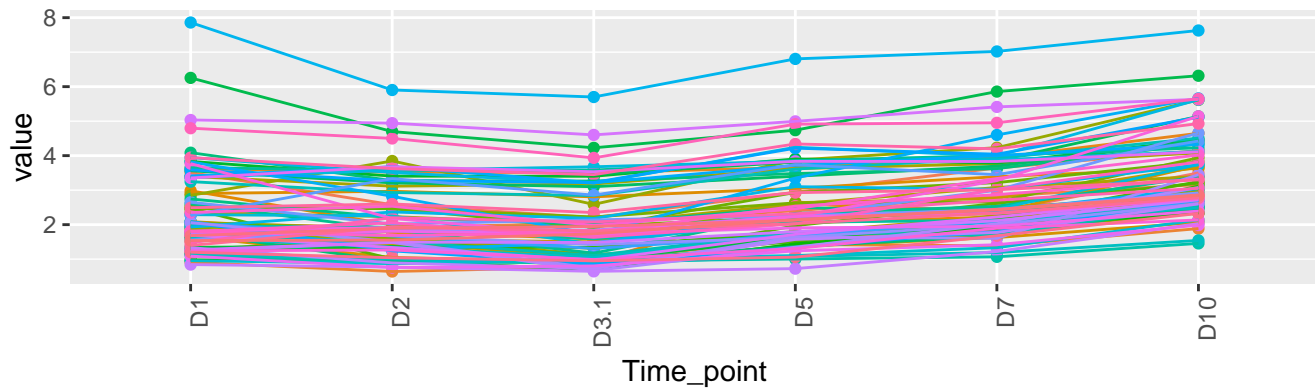
86 genes – WT-cluster-284-original



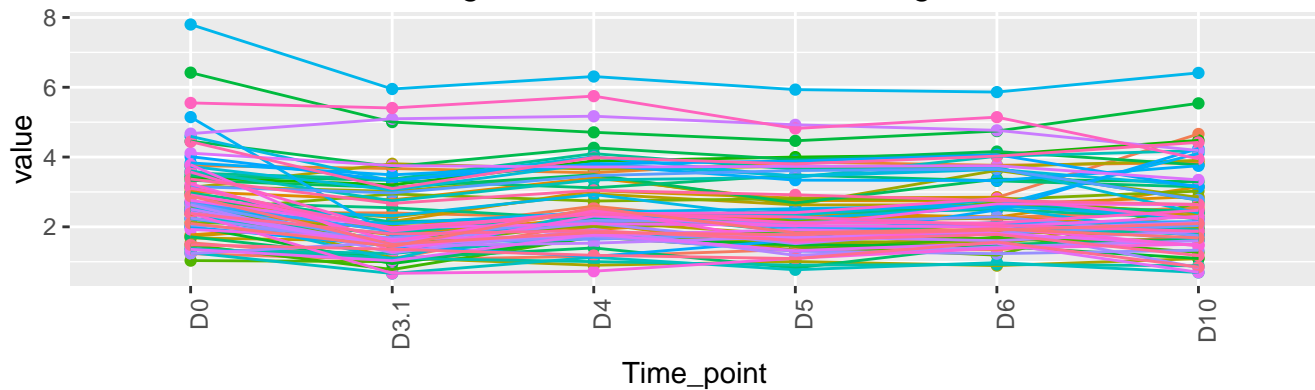
84 genes – KO-cluster-284-original



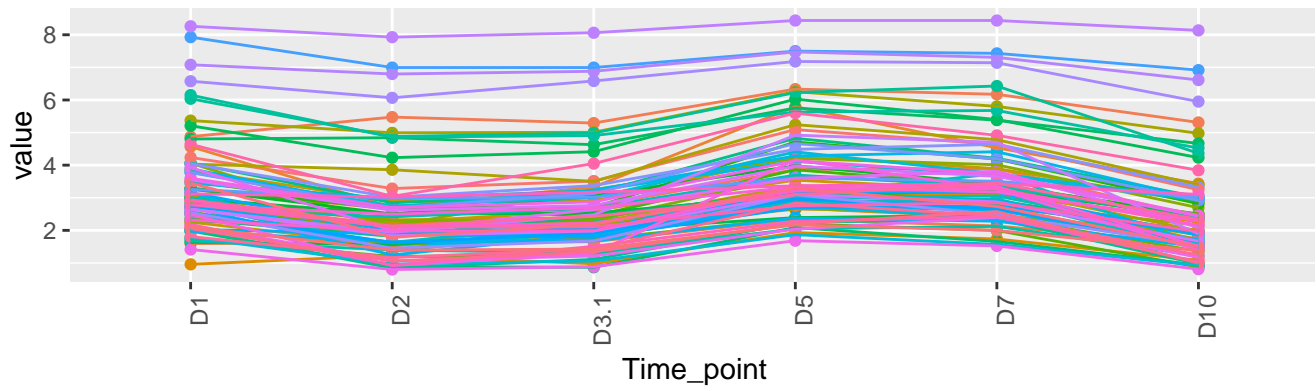
83 genes – WT-cluster-283-original



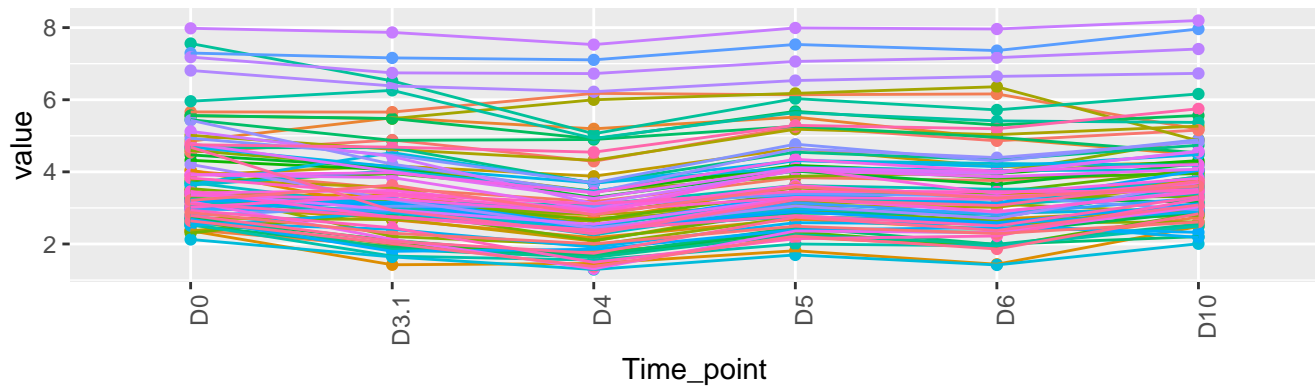
77 genes – KO-cluster-283-original



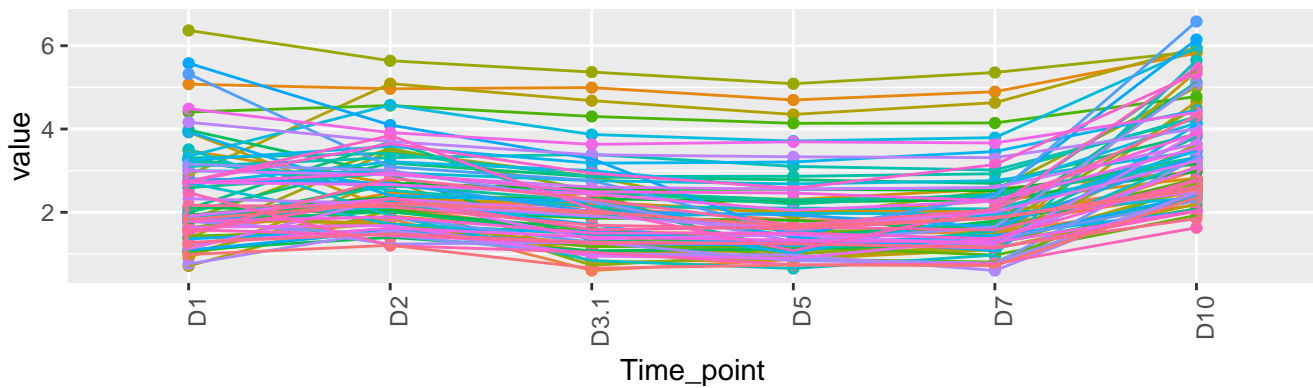
81 genes – WT-cluster-282-original



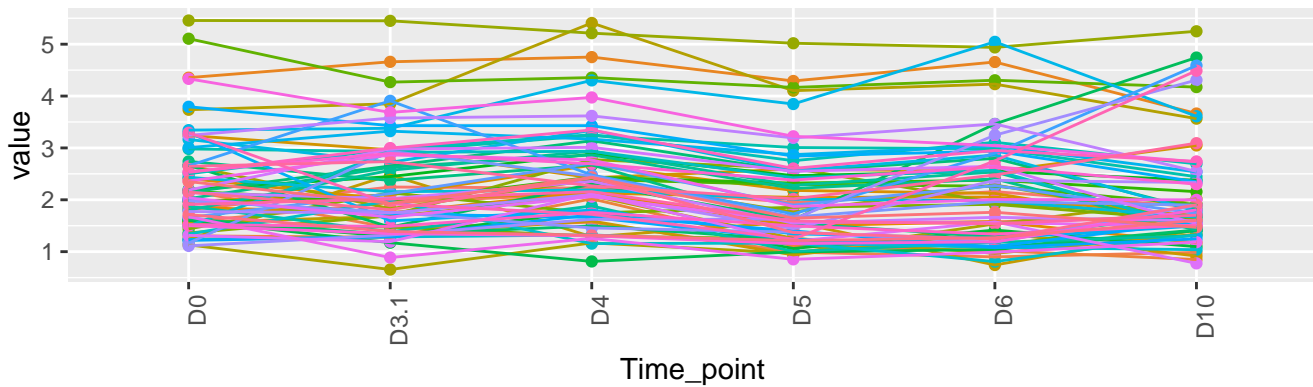
80 genes – KO-cluster-282-original



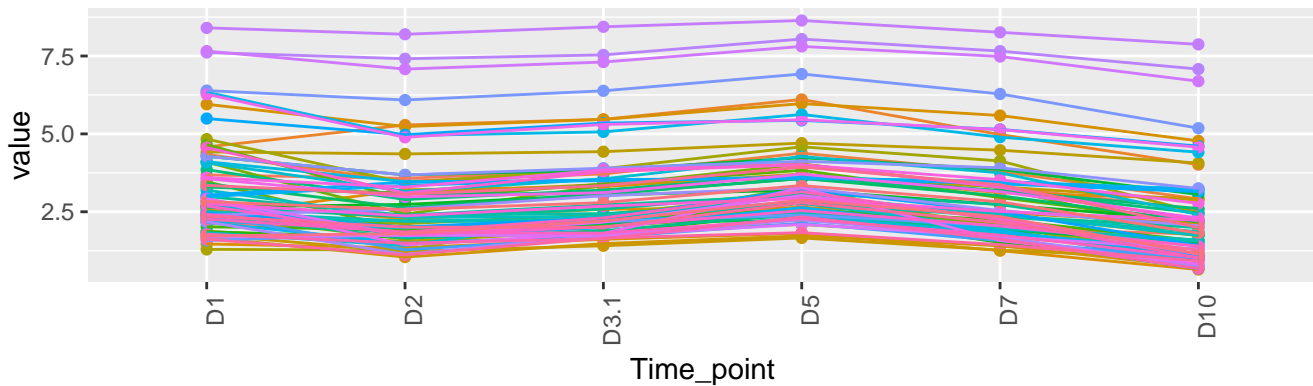
80 genes – WT-cluster-281-original



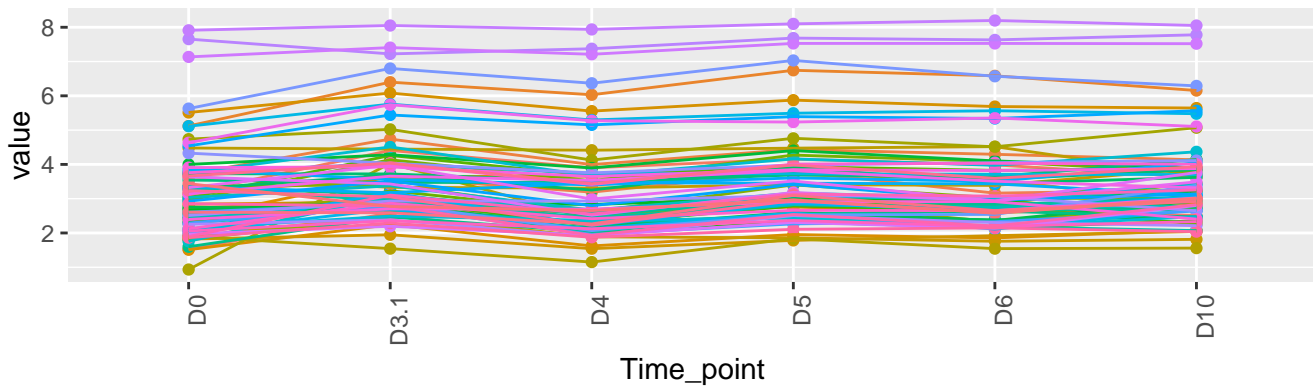
70 genes – KO-cluster-281-original



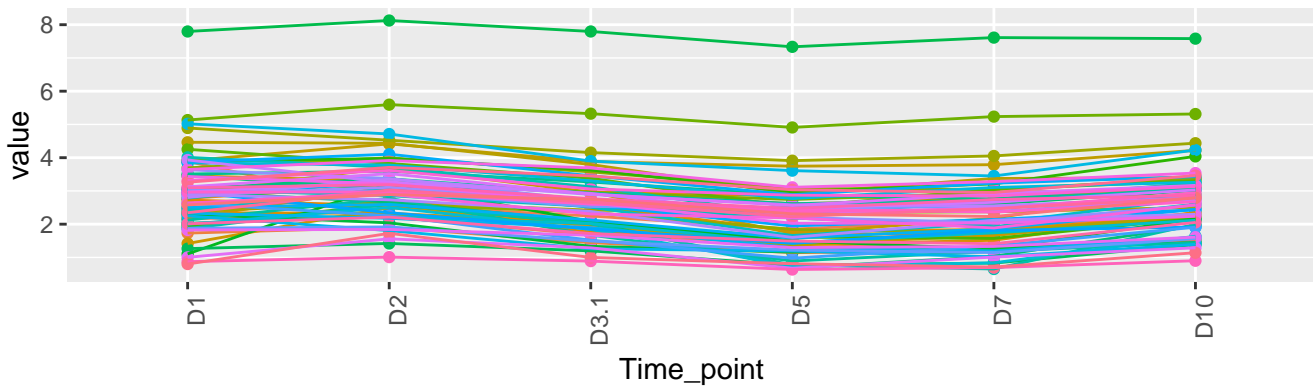
75 genes – WT-cluster-280-original



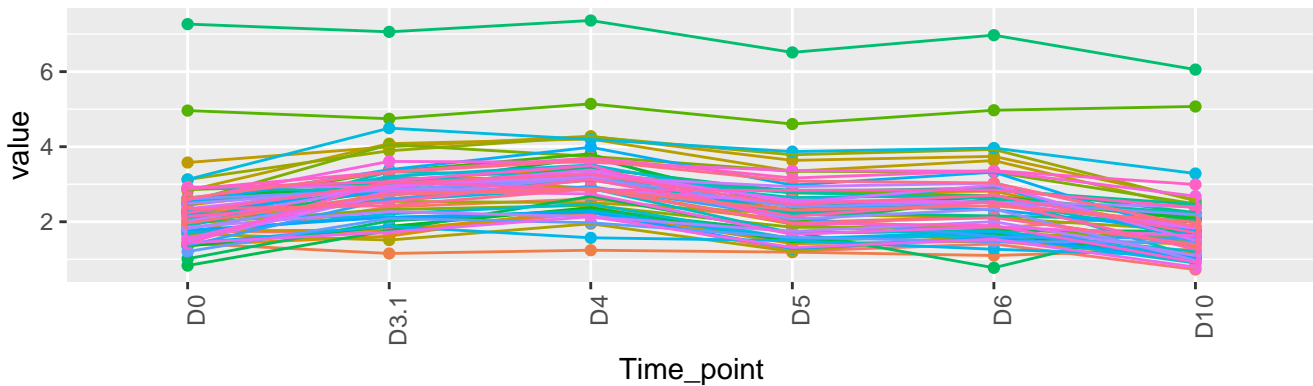
75 genes – KO-cluster-280-original



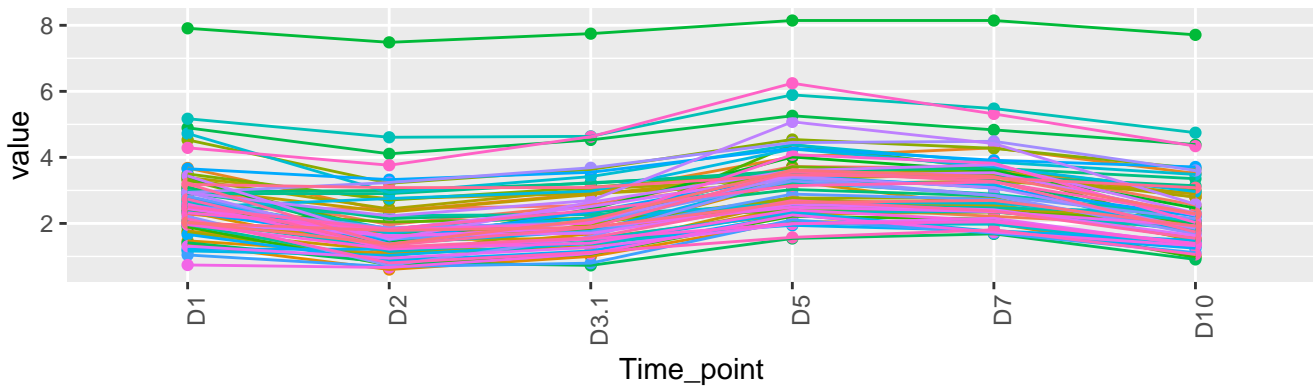
72 genes – WT-cluster-279-original



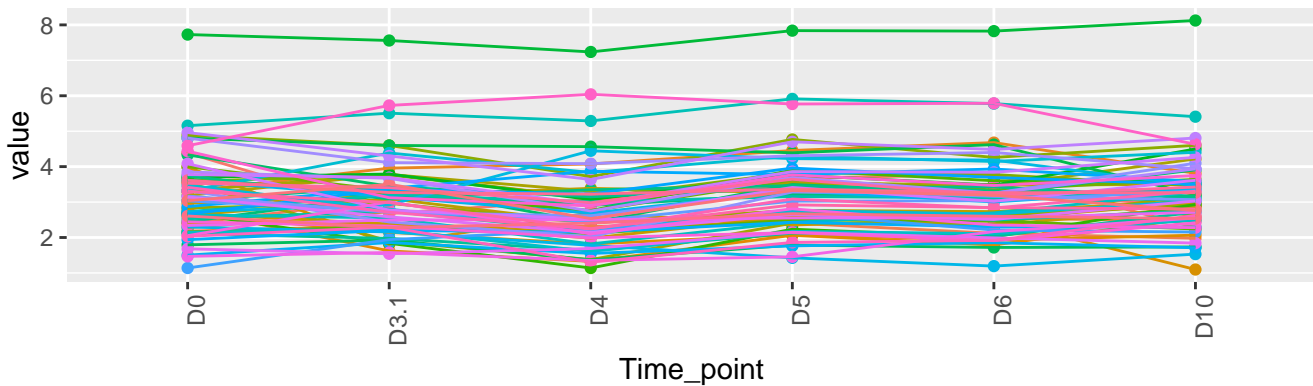
60 genes – KO-cluster-279-original



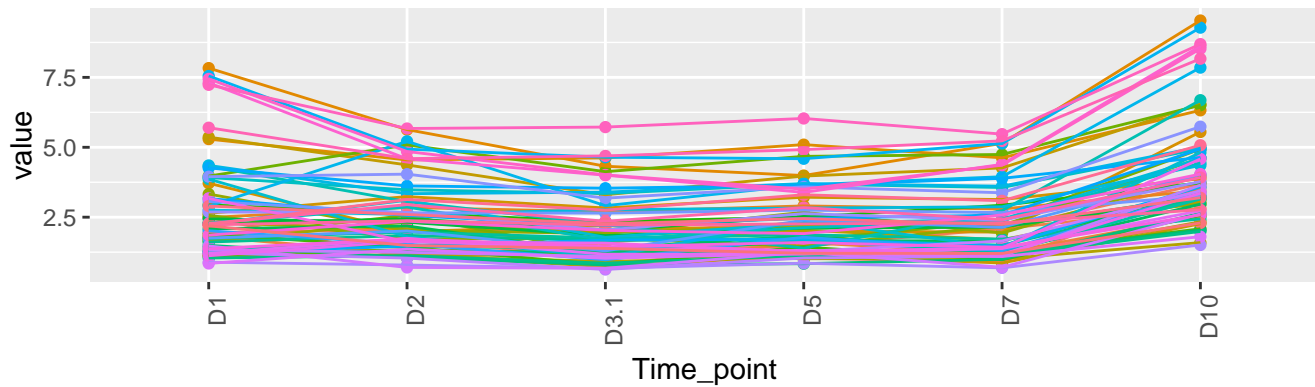
70 genes – WT-cluster-278-original



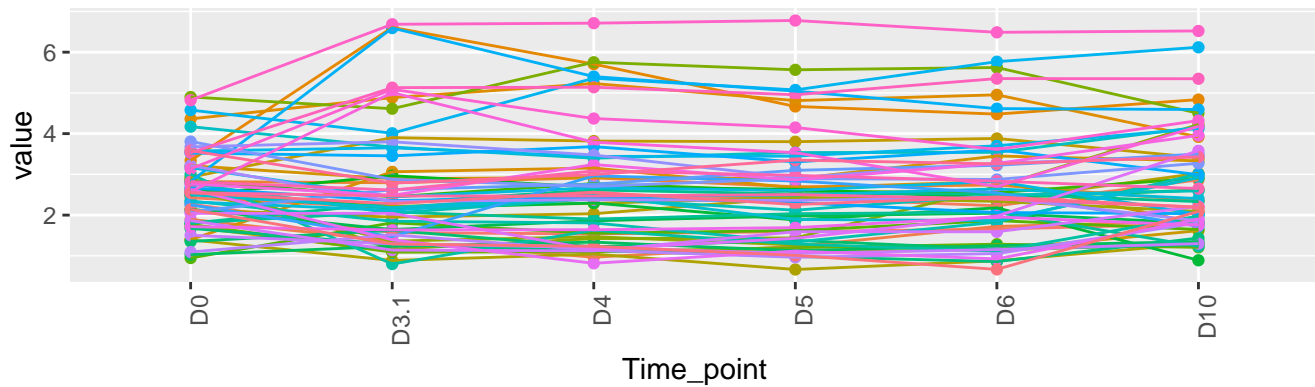
70 genes – KO-cluster-278-original



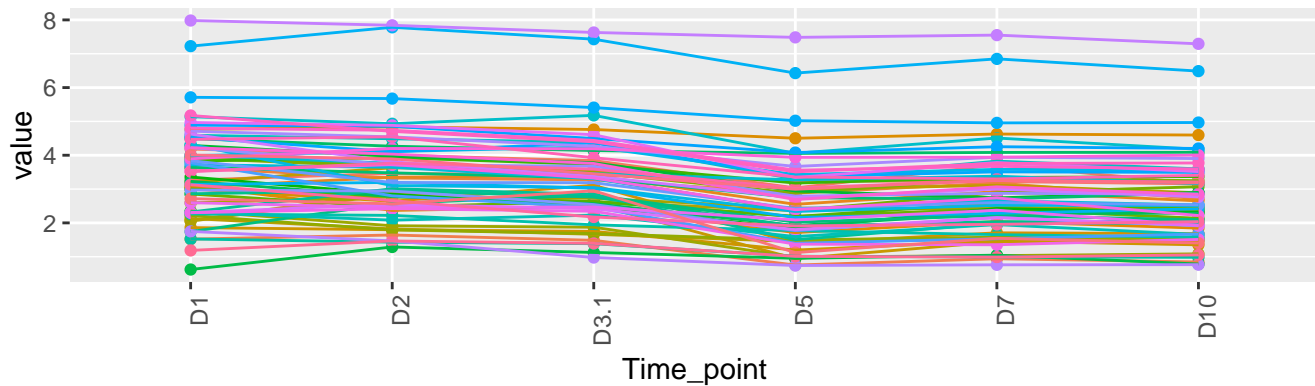
68 genes – WT-cluster-277-original



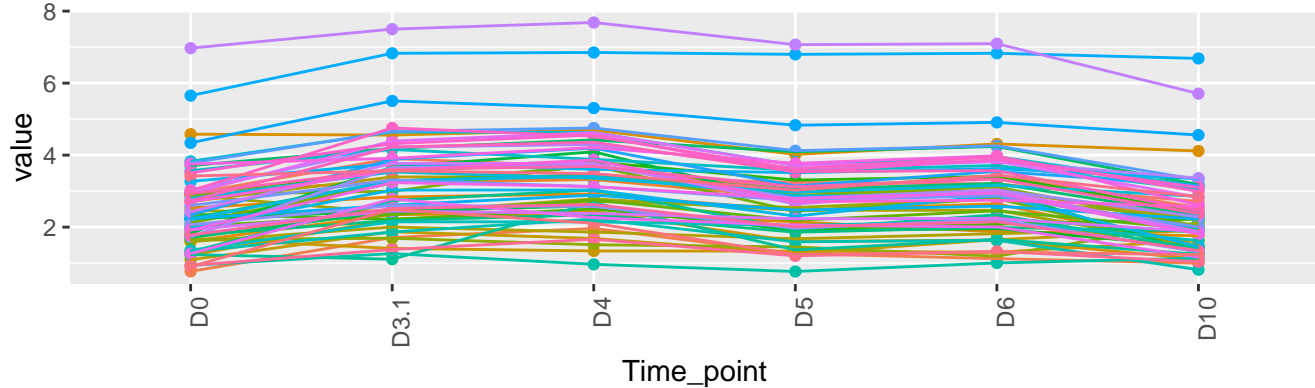
60 genes – KO-cluster-277-original



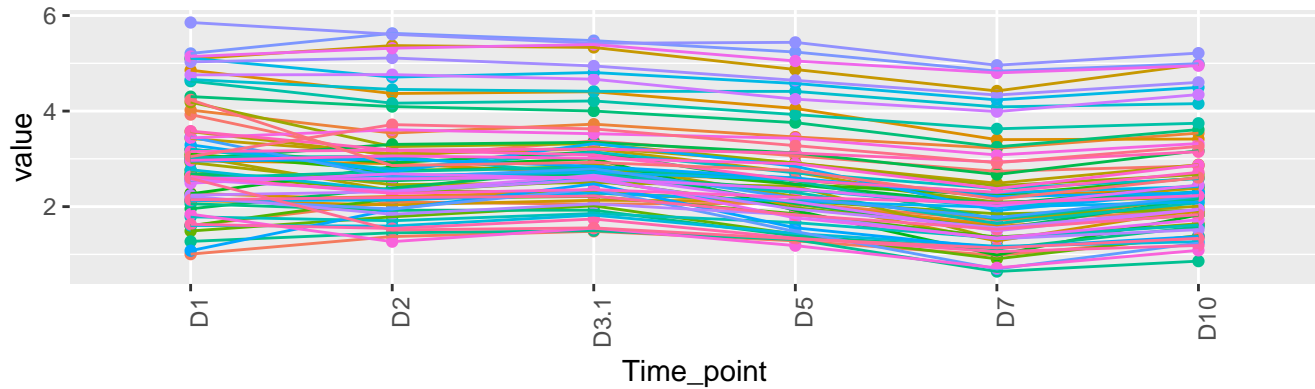
67 genes – WT-cluster-276-original



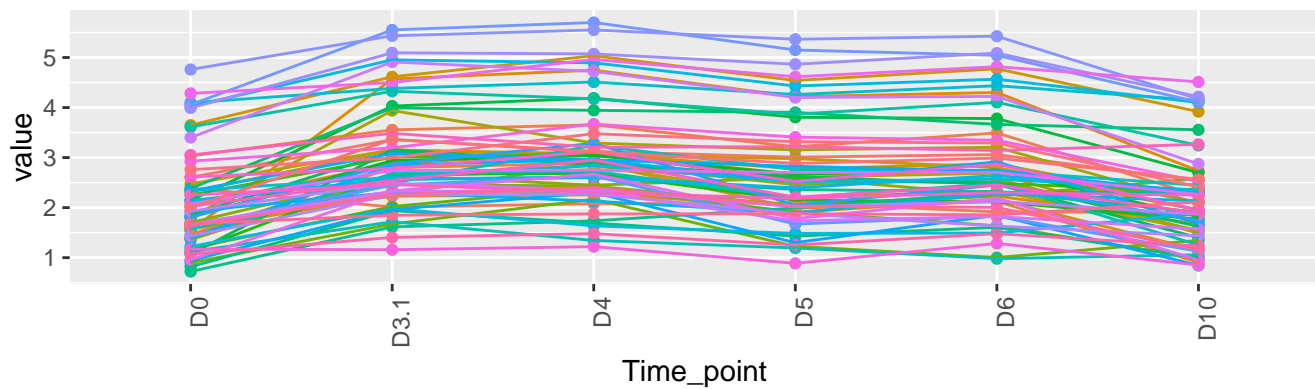
62 genes – KO-cluster-276-original



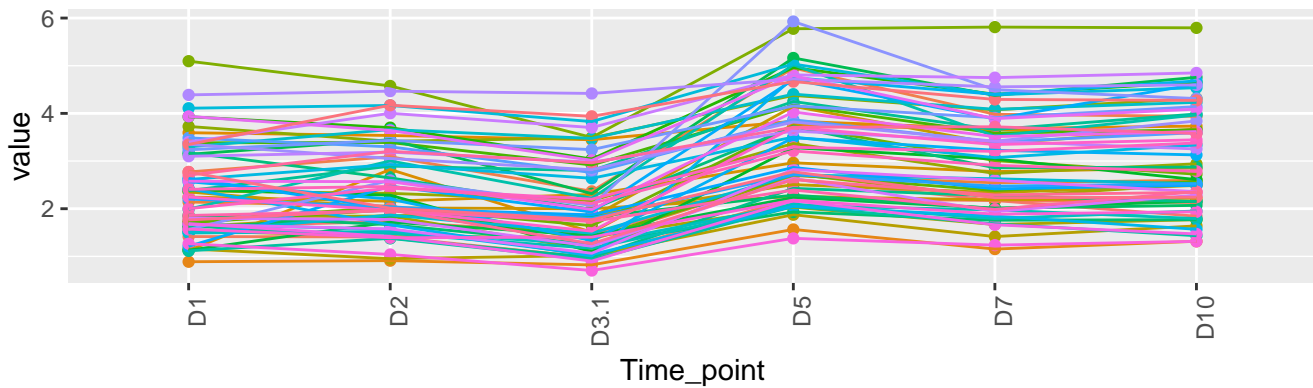
66 genes – WT-cluster-275-original



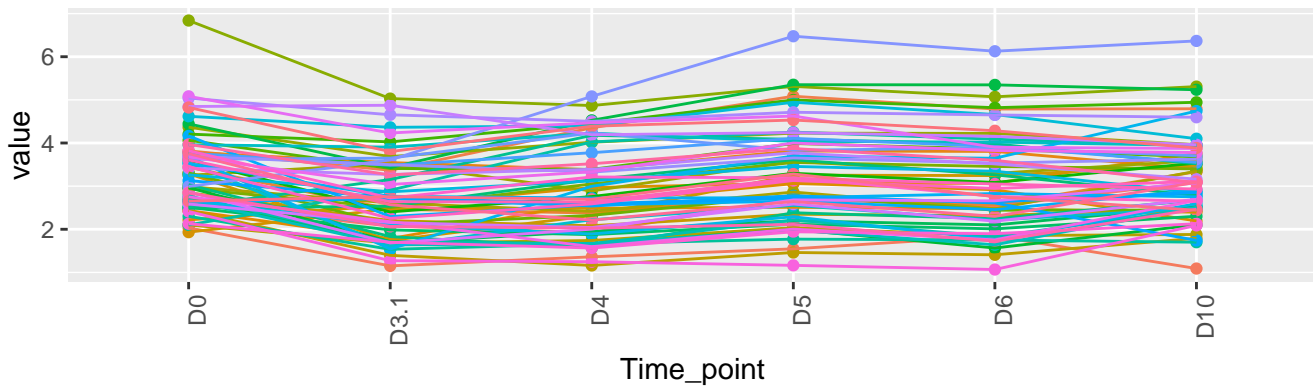
65 genes – KO-cluster-275-original



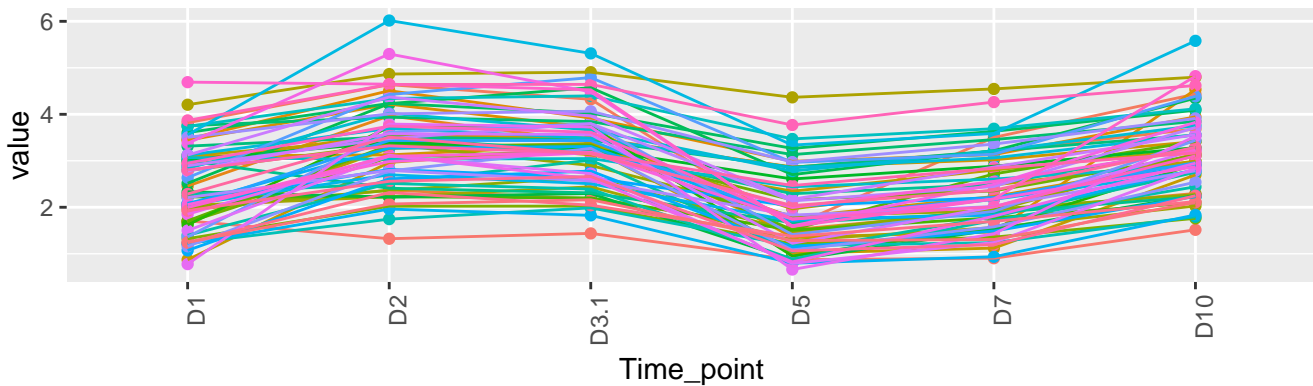
65 genes – WT-cluster-274-original



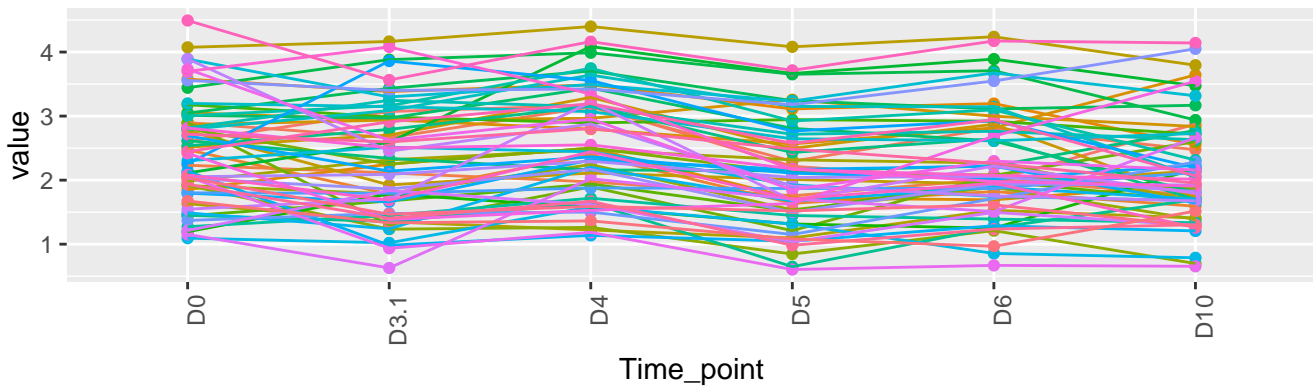
64 genes – KO-cluster-274-original



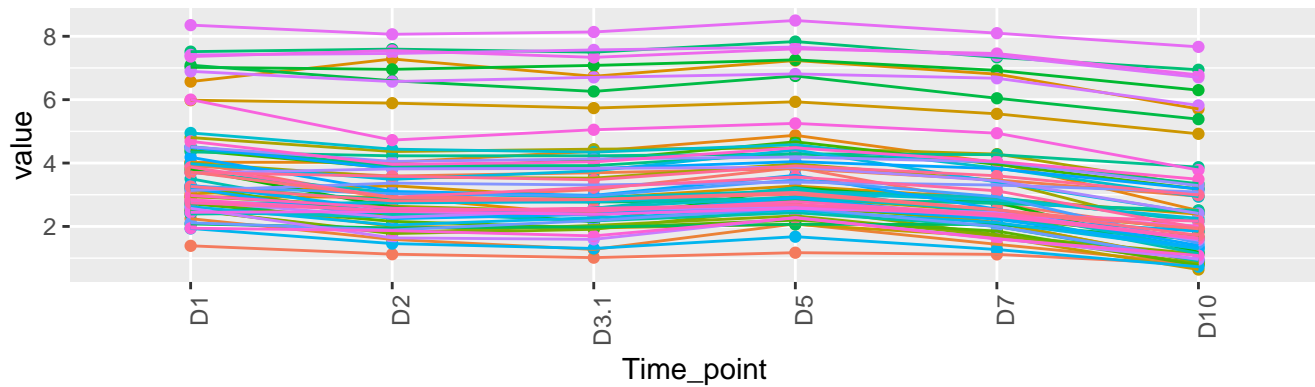
65 genes – WT-cluster-273-original



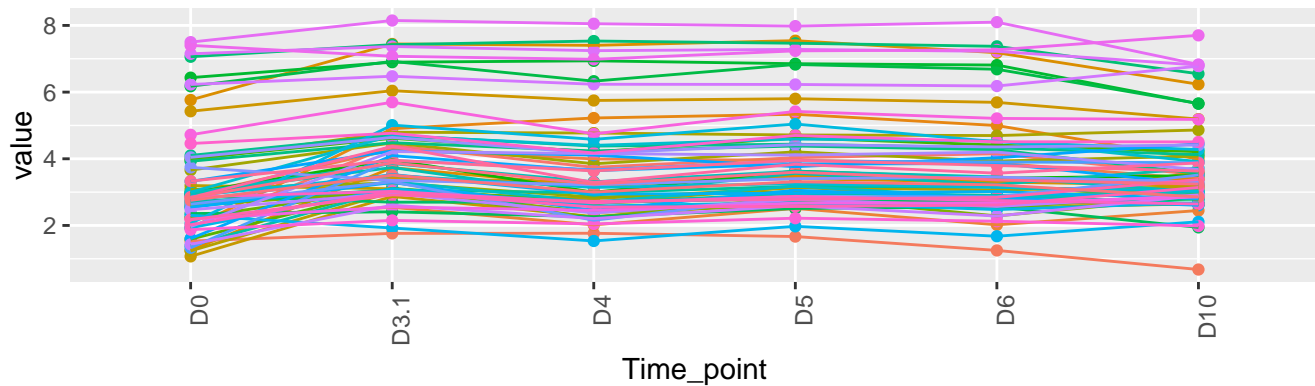
61 genes – KO-cluster-273-original



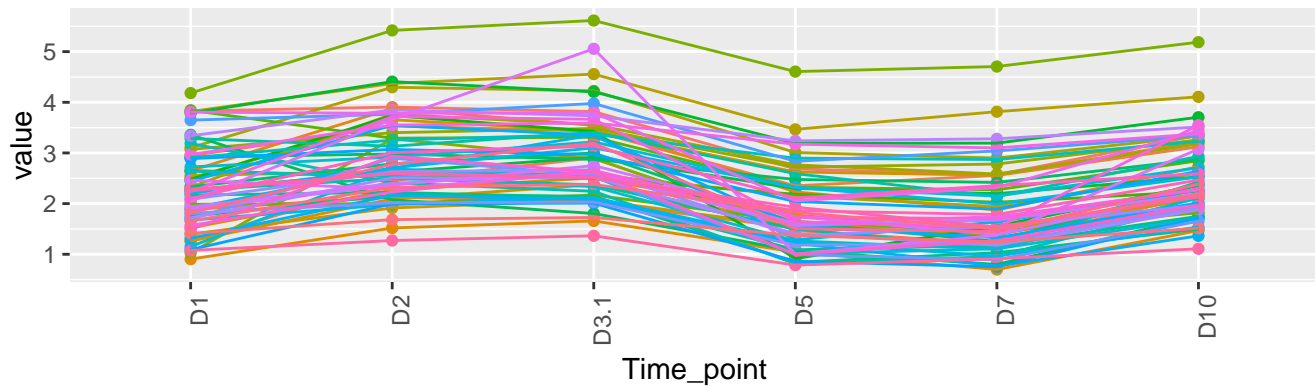
64 genes – WT-cluster-272-original



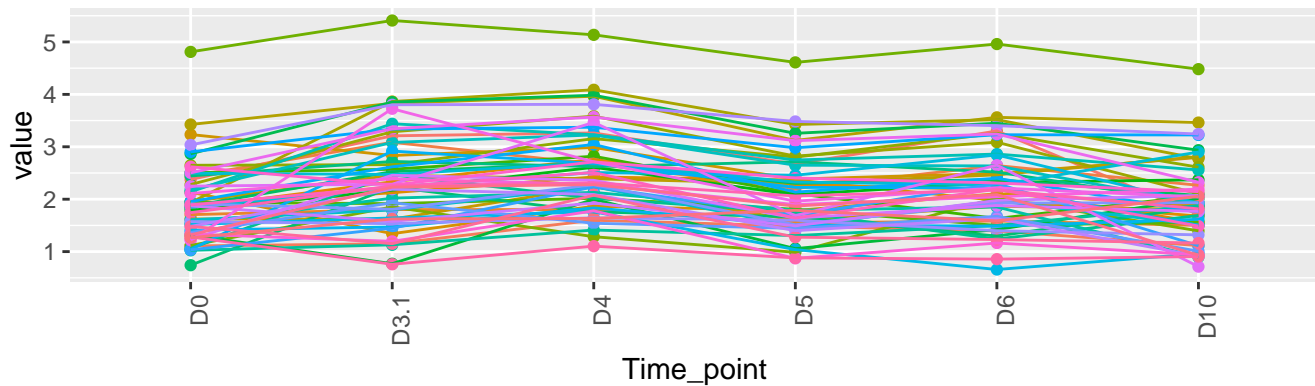
64 genes – KO-cluster-272-original



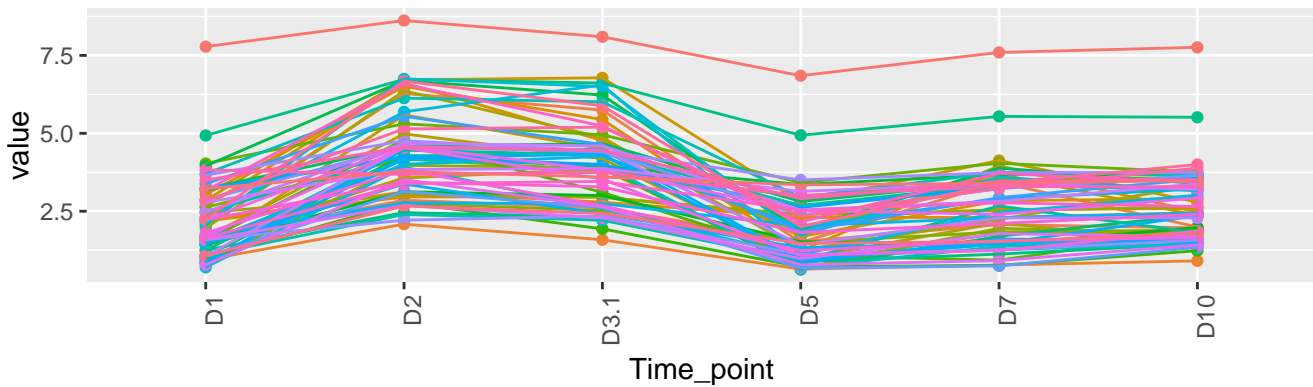
64 genes – WT-cluster-271-original



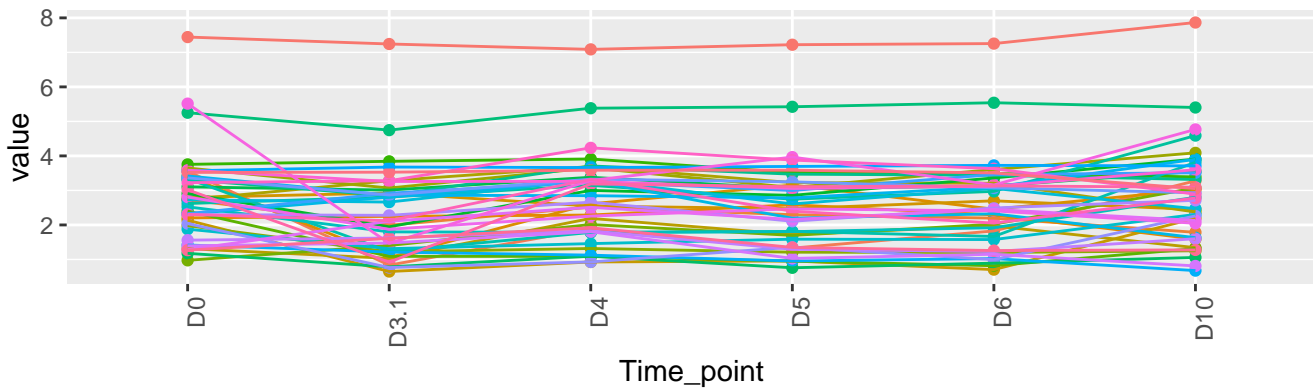
57 genes – KO-cluster-271-original



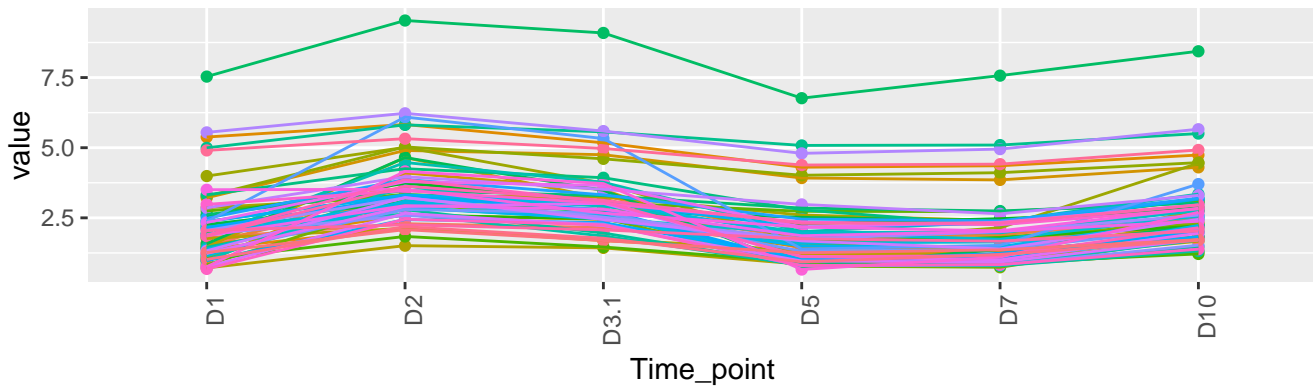
63 genes – WT-cluster-270-original



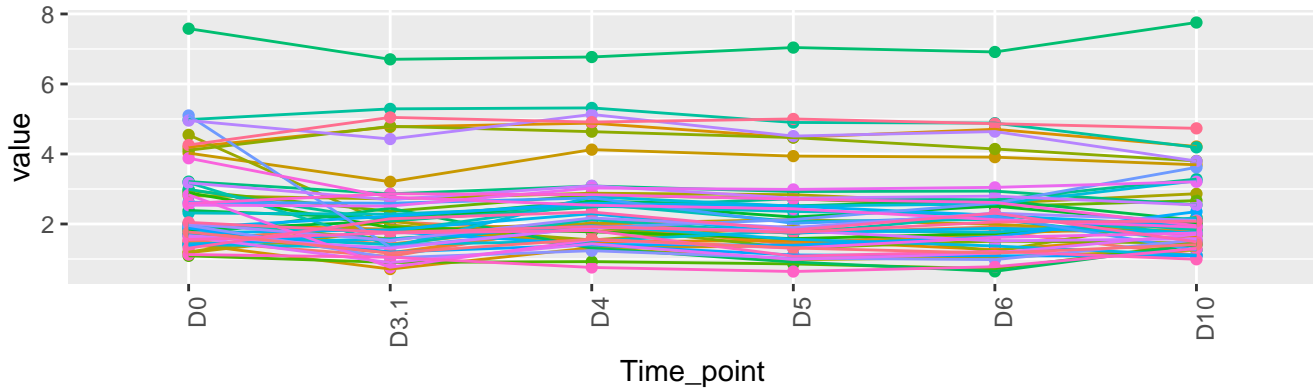
43 genes – KO-cluster-270-original



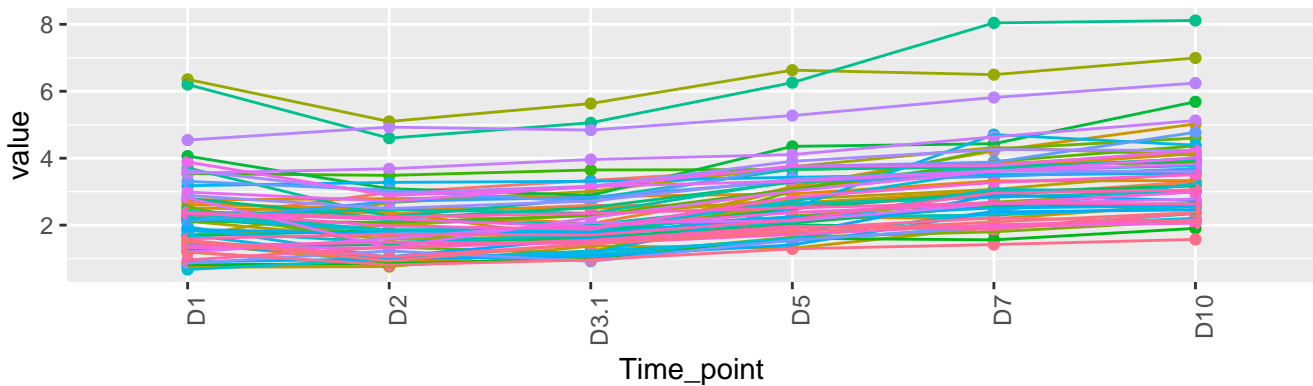
62 genes – WT-cluster-269-original



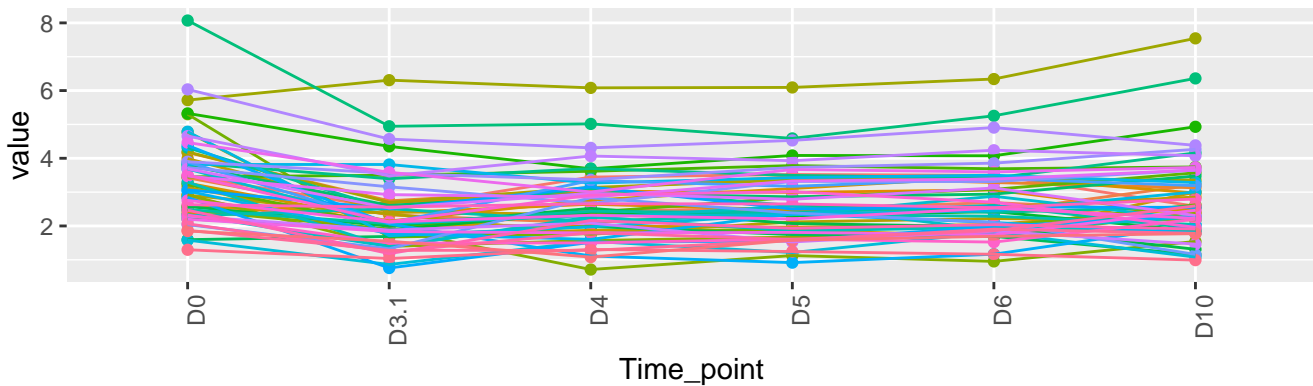
52 genes – KO-cluster-269-original



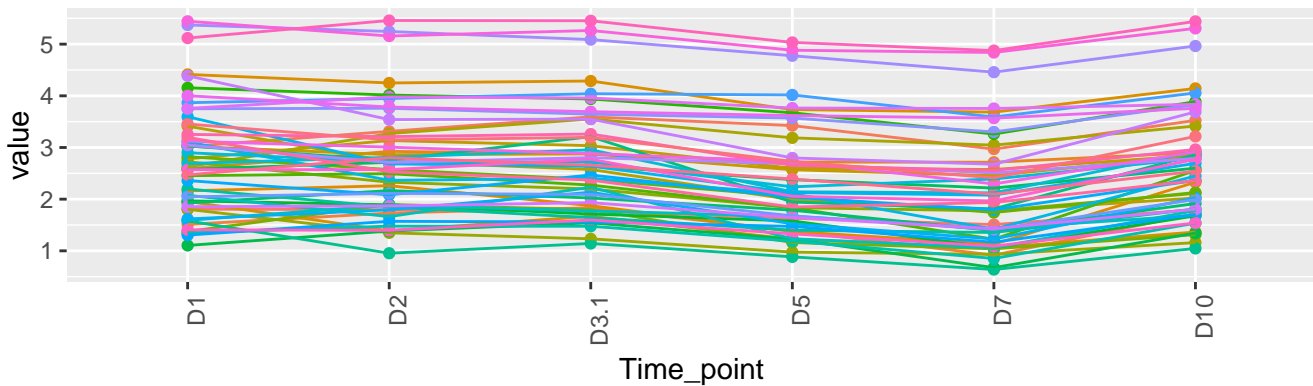
60 genes – WT-cluster-268-original



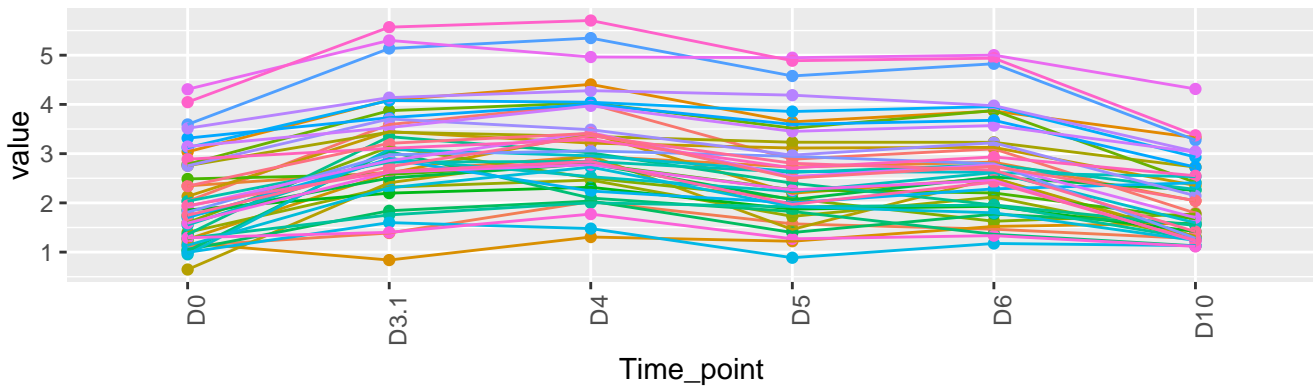
58 genes – KO-cluster-268-original



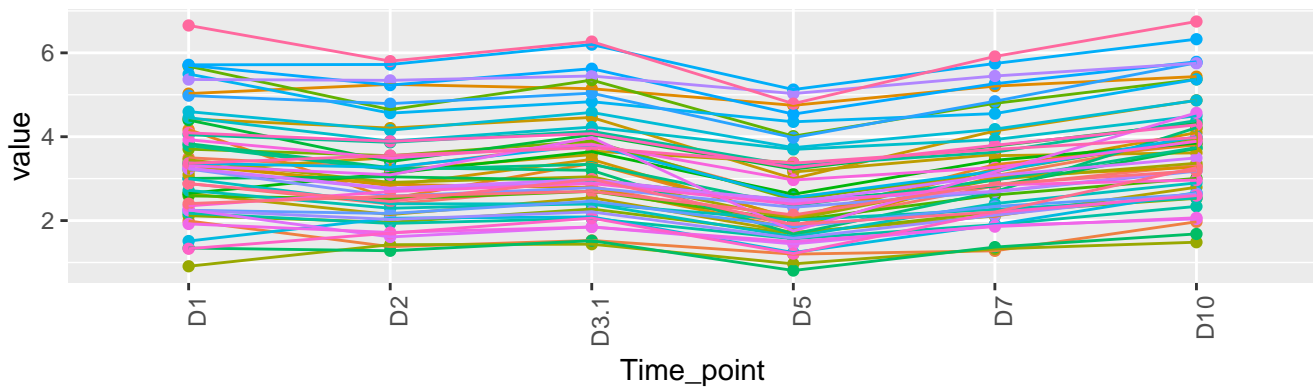
52 genes – WT-cluster-267-original



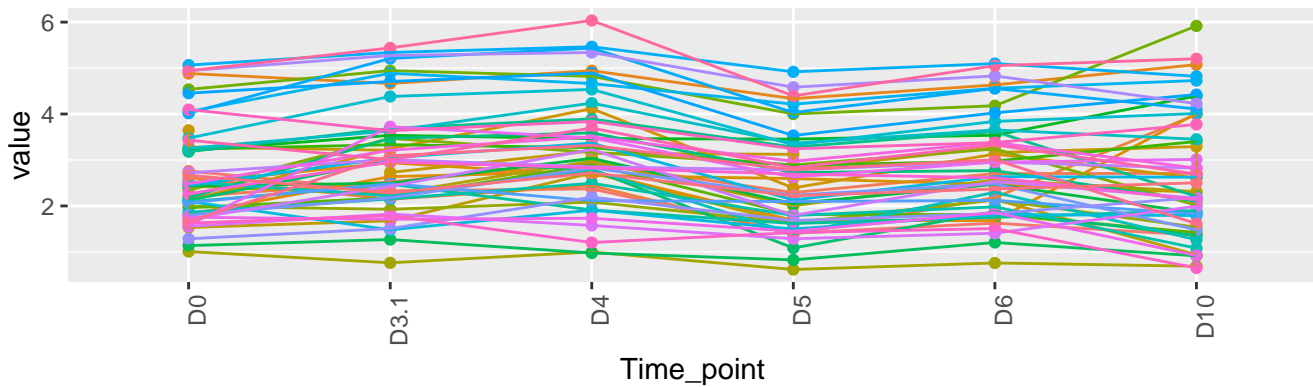
41 genes – KO-cluster-267-original



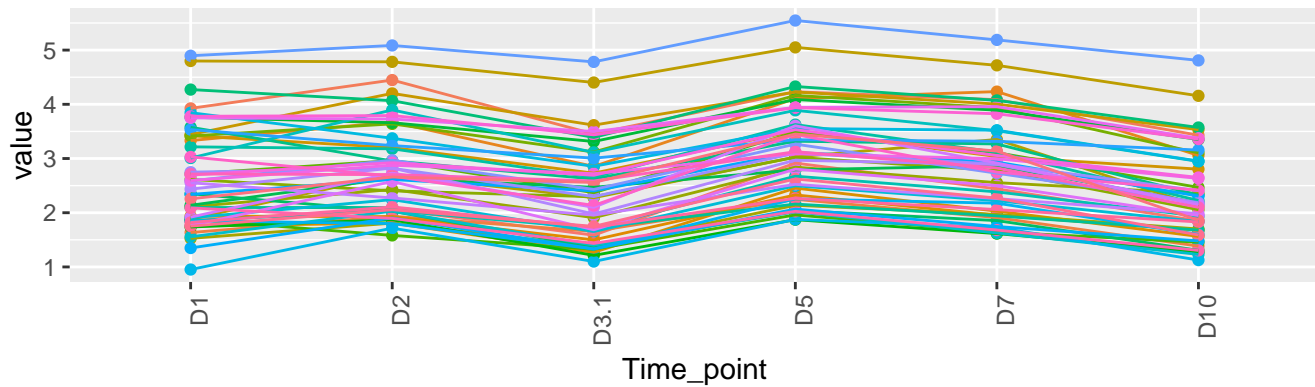
52 genes – WT-cluster-266-original



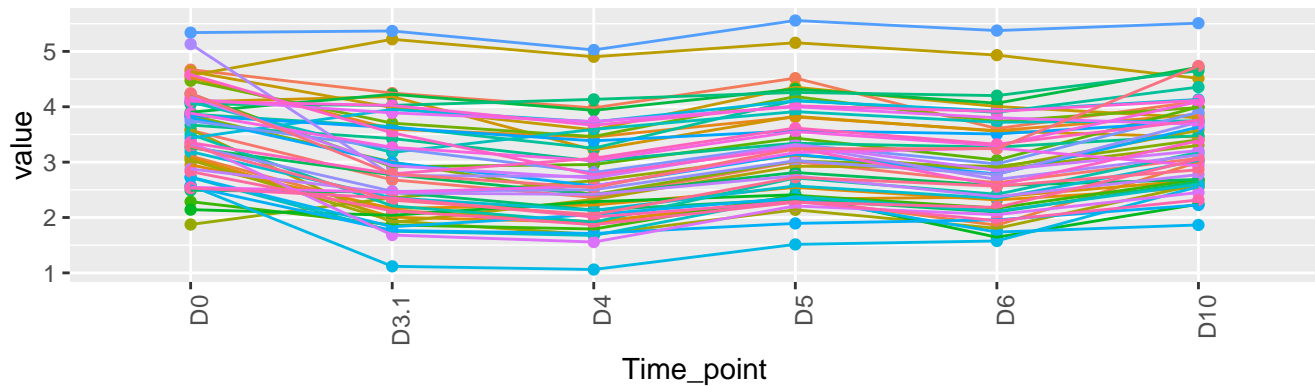
51 genes – KO-cluster-266-original



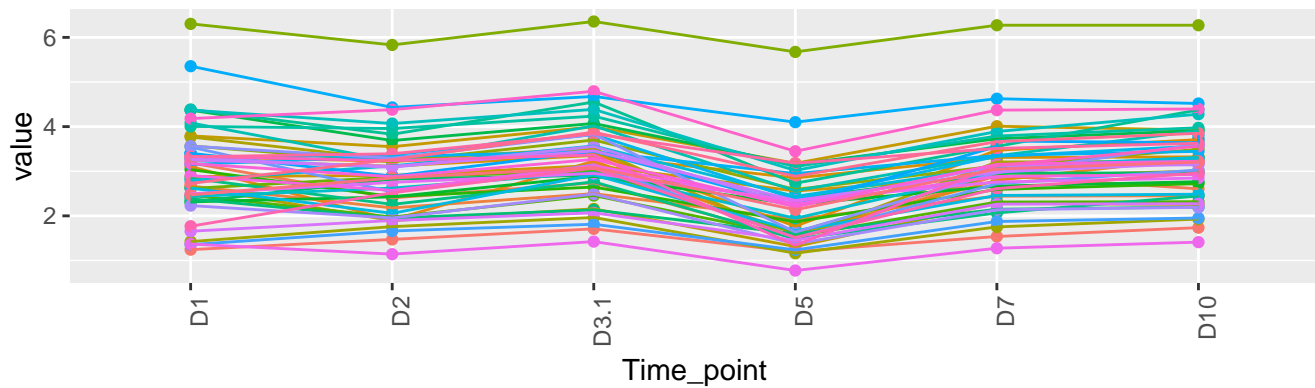
51 genes – WT-cluster-265-original



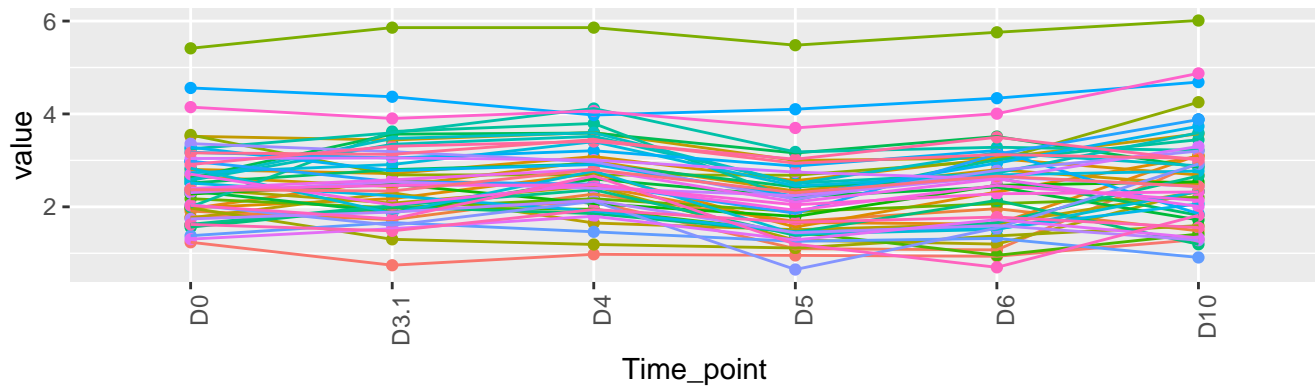
50 genes – KO-cluster-265-original



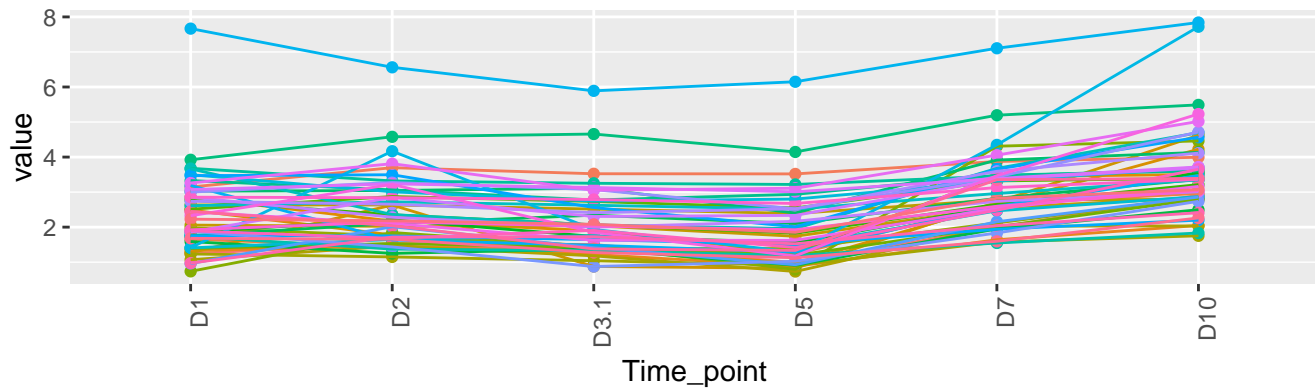
51 genes – WT-cluster-264-original



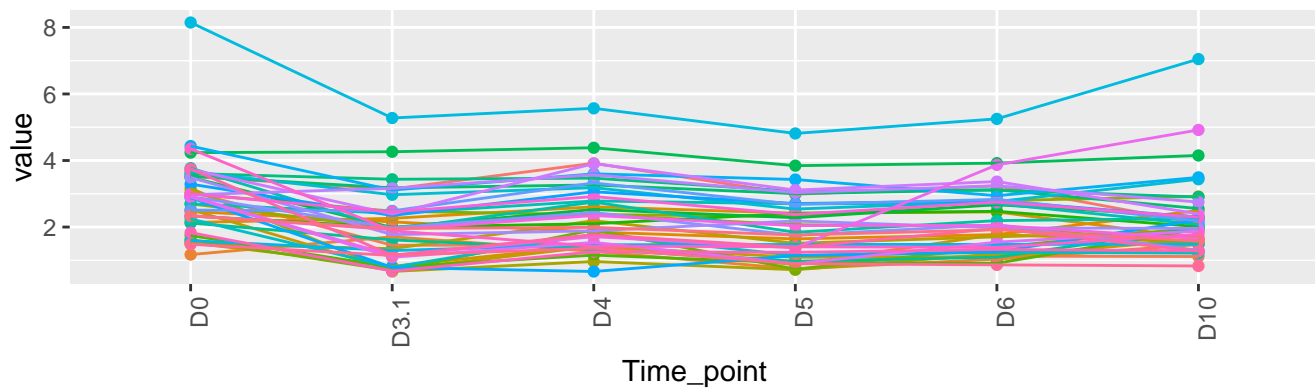
50 genes – KO-cluster-264-original



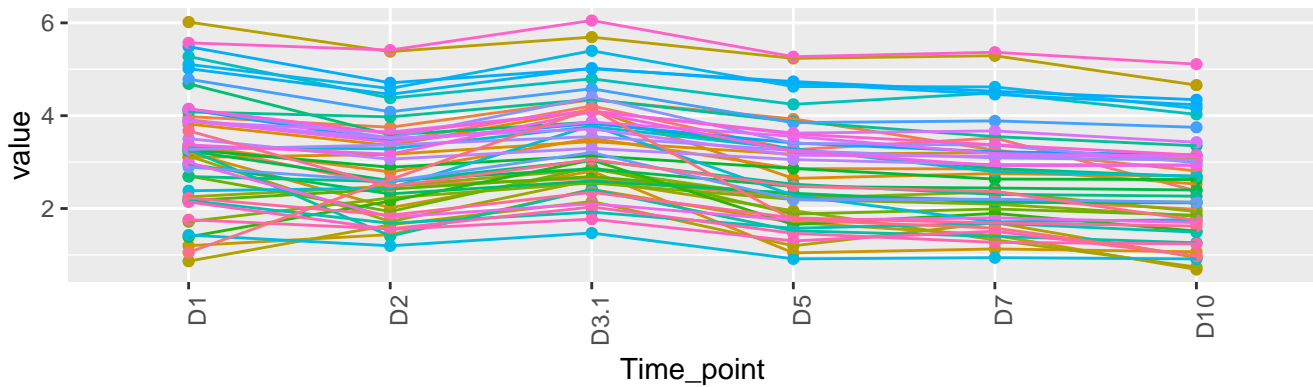
50 genes – WT-cluster-263-original



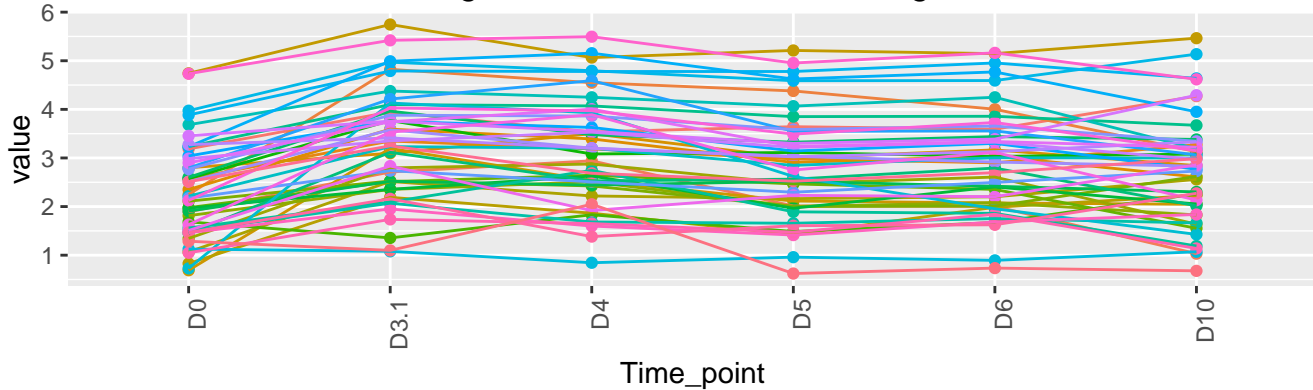
42 genes – KO-cluster-263-original



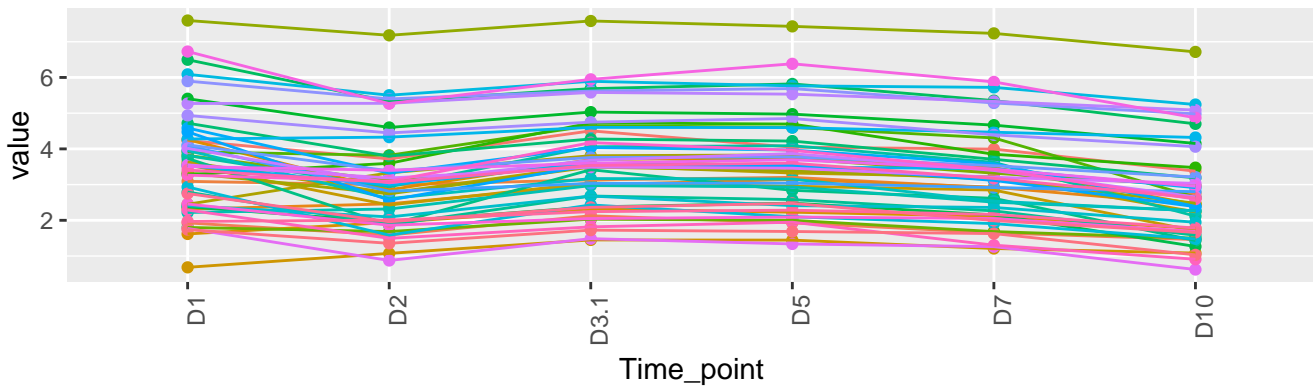
49 genes – WT-cluster-262-original



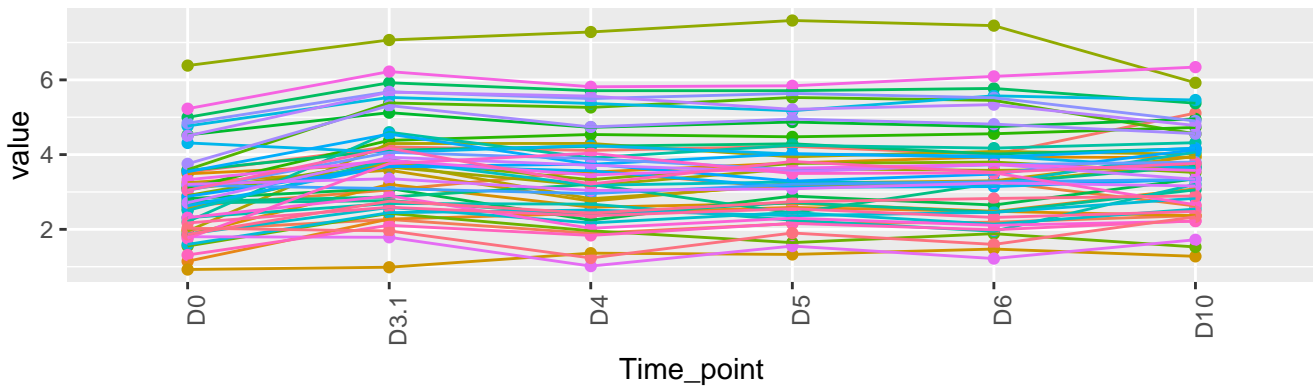
48 genes – KO-cluster-262-original



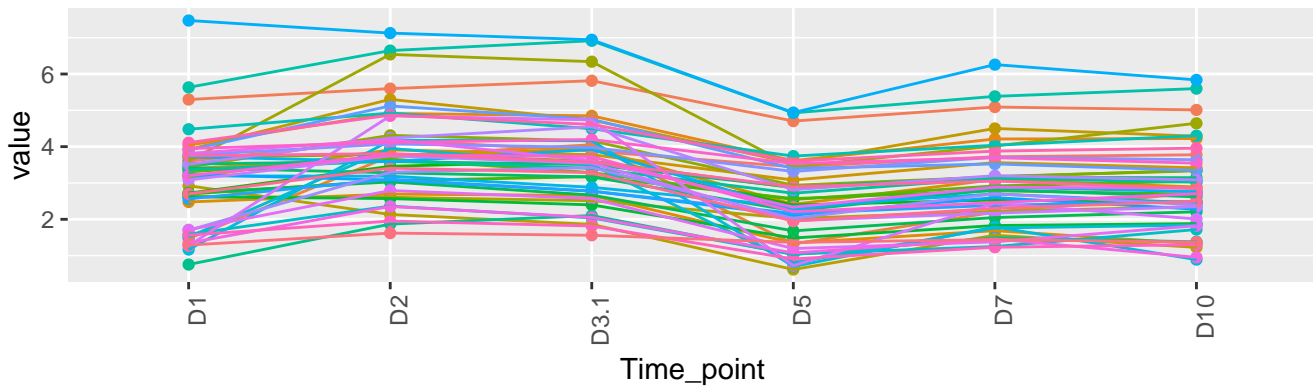
49 genes – WT-cluster-261-original



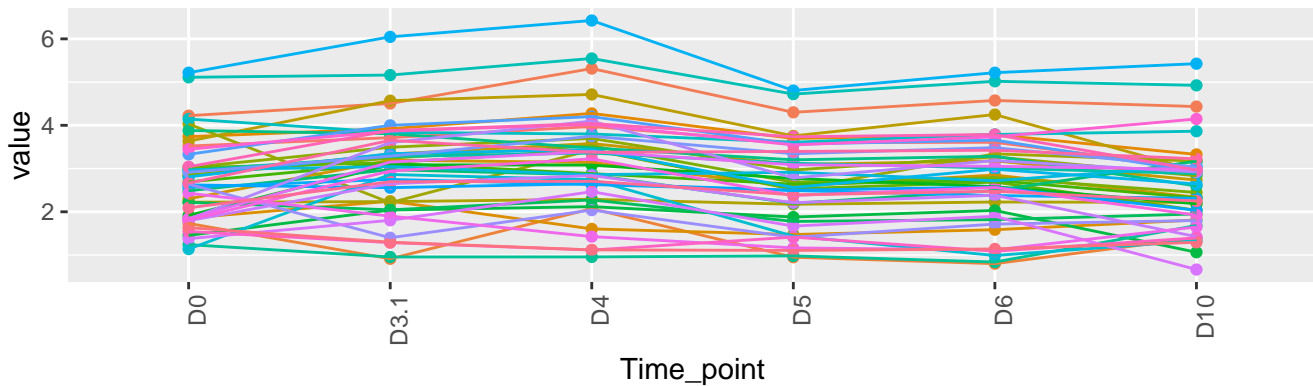
49 genes – KO-cluster-261-original



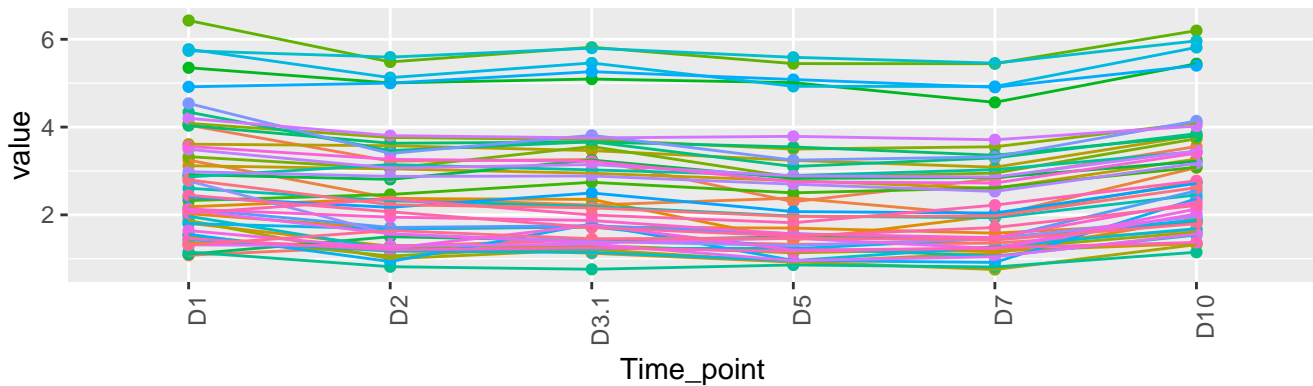
48 genes – WT-cluster-260-original



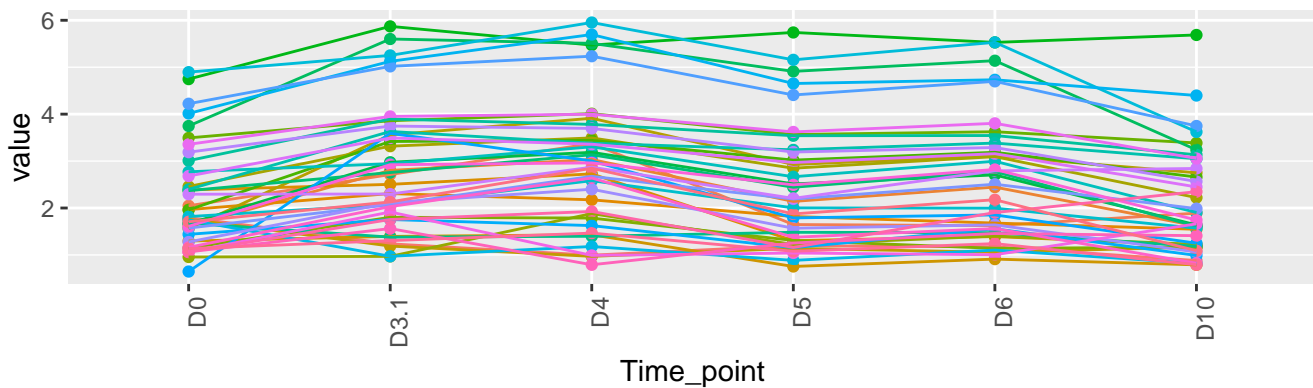
44 genes – KO-cluster-260-original



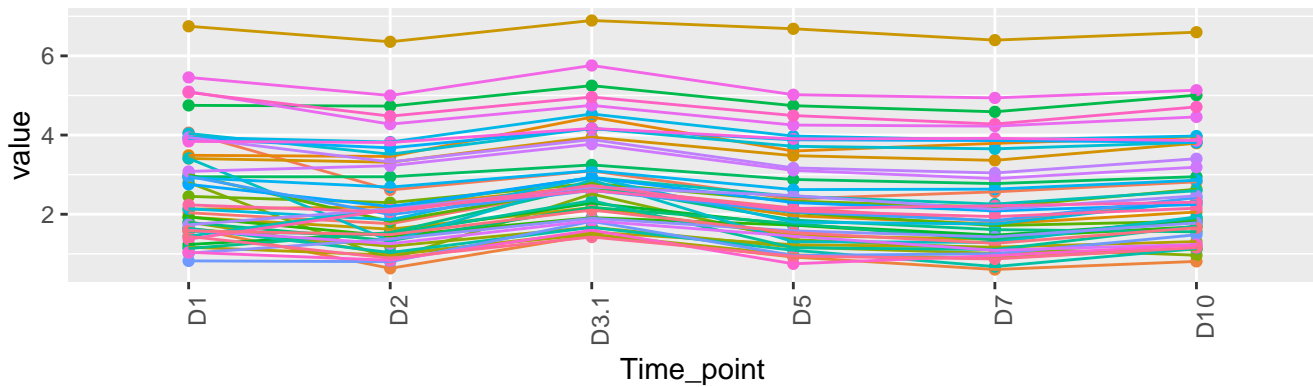
47 genes – WT-cluster-259-original



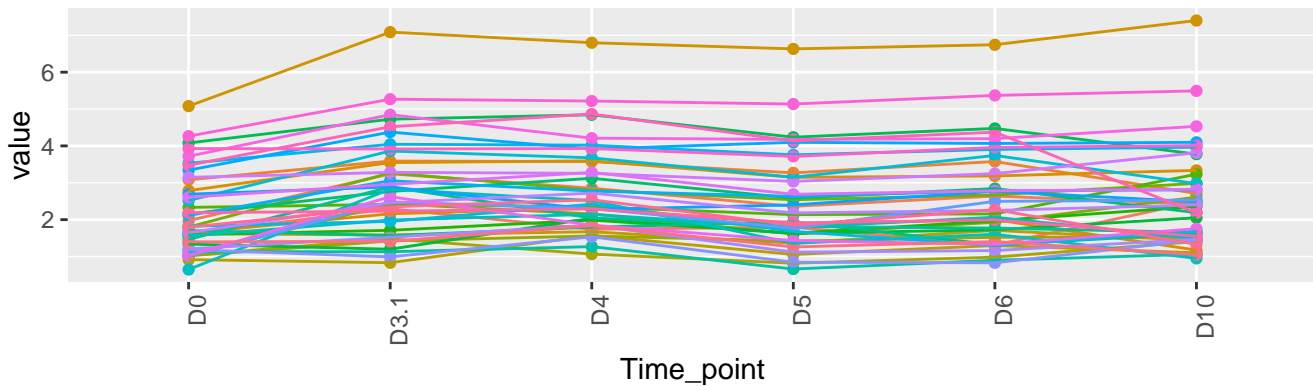
41 genes – KO-cluster-259-original



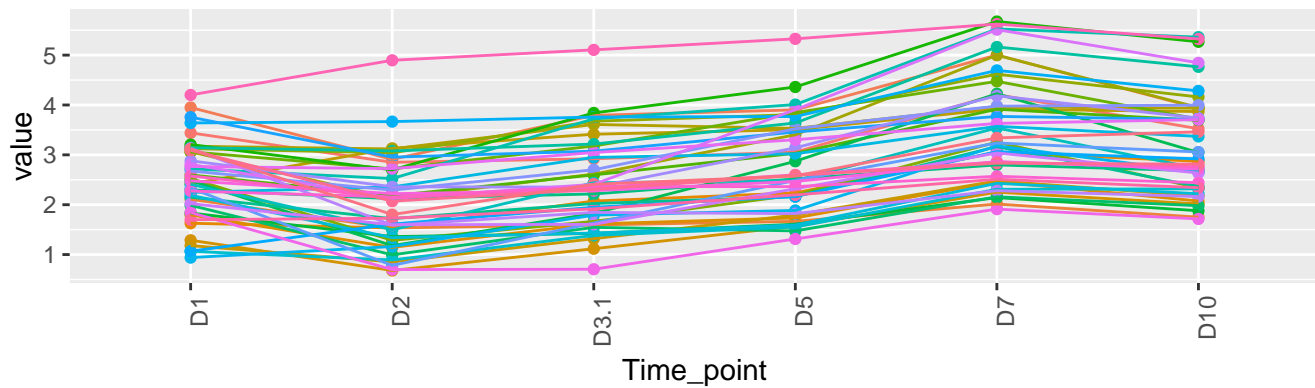
46 genes – WT-cluster-258-original



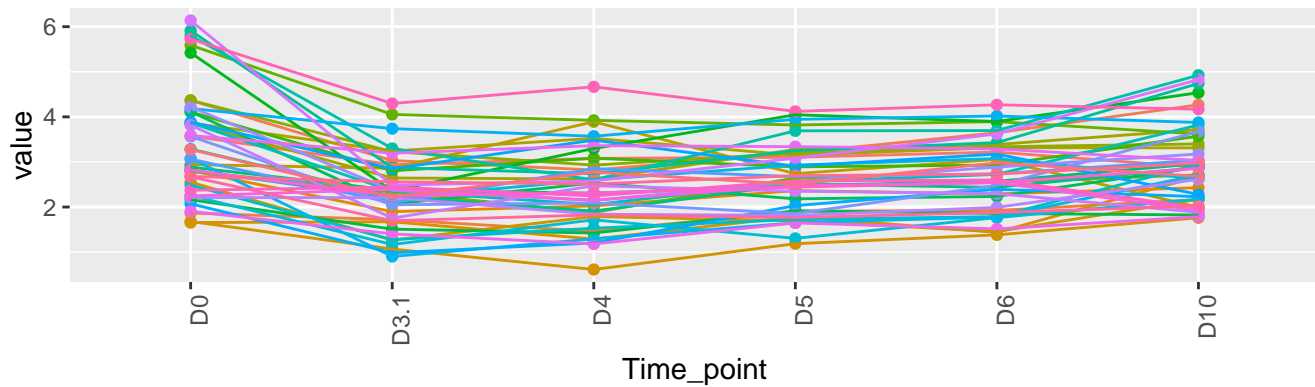
42 genes – KO-cluster-258-original



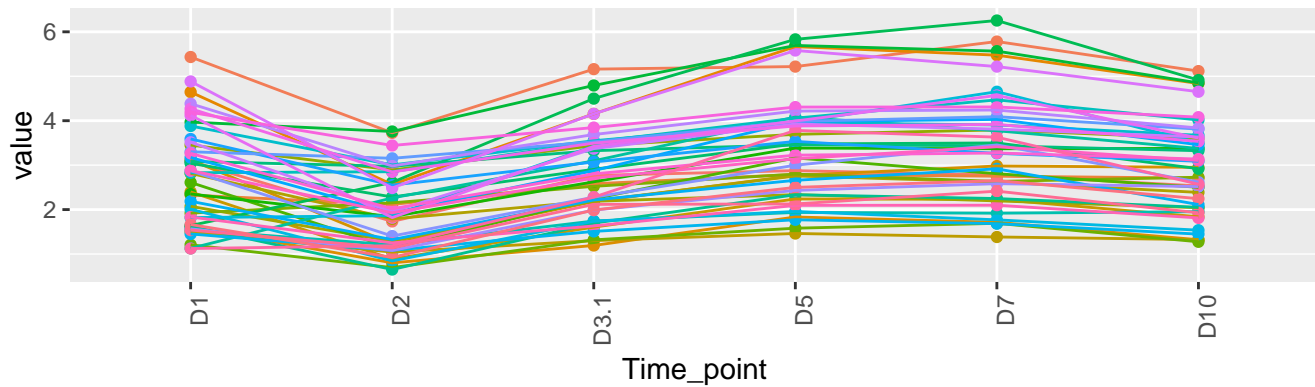
45 genes – WT-cluster-257-original



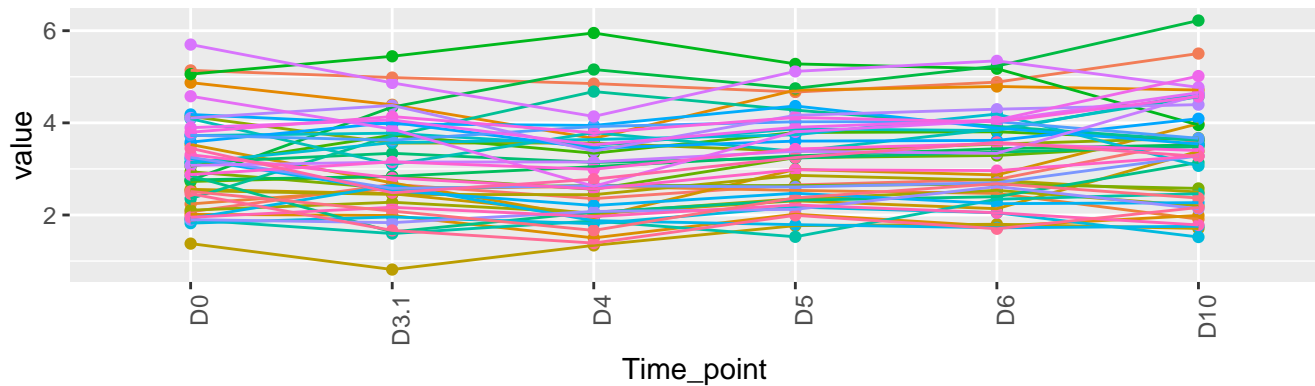
44 genes – KO-cluster-257-original



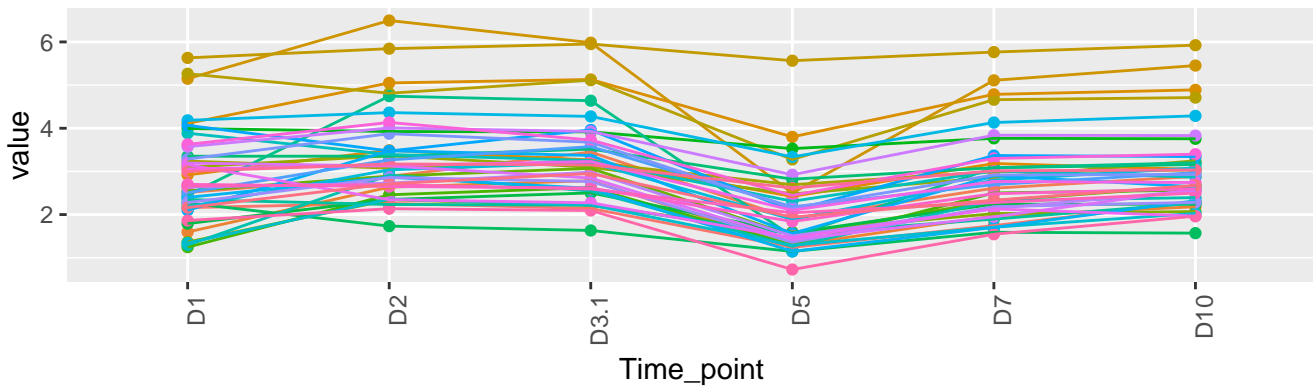
45 genes – WT-cluster-256-original



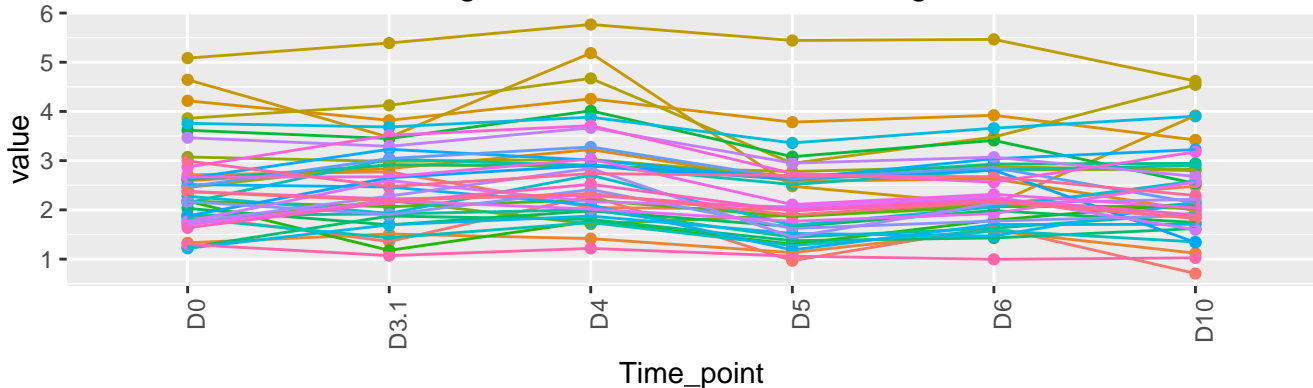
44 genes – KO-cluster-256-original



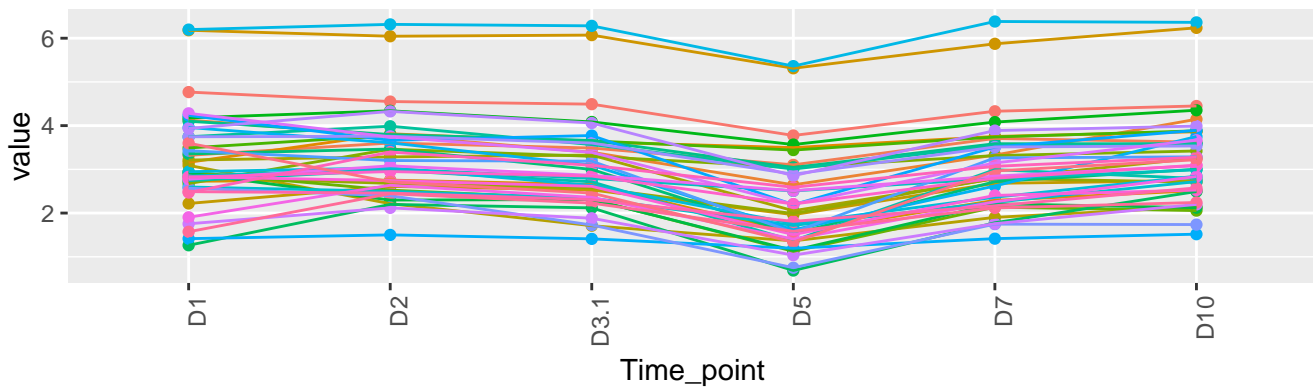
41 genes – WT-cluster-255-original



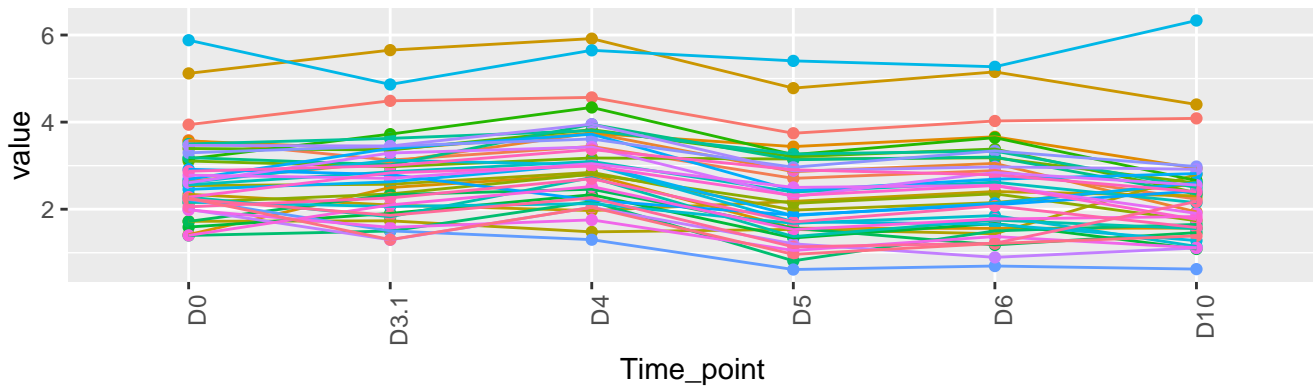
39 genes – KO-cluster-255-original



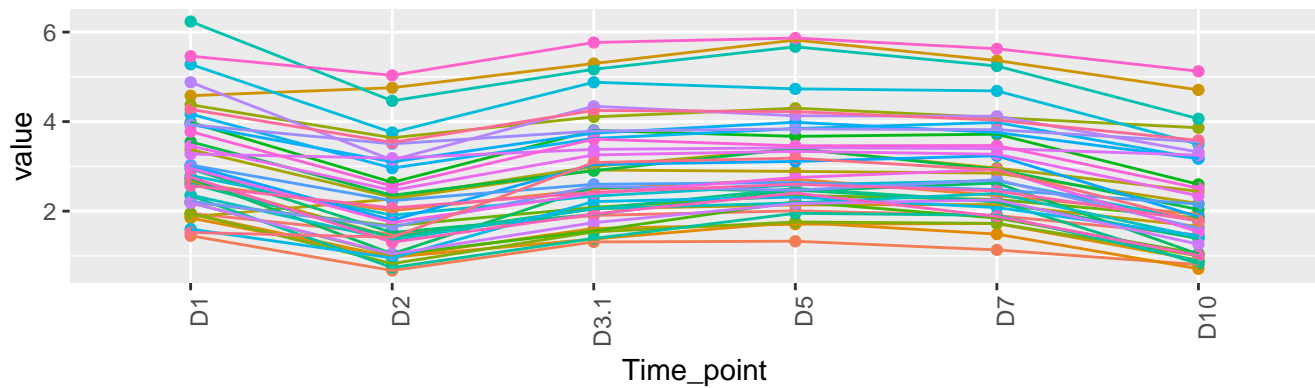
41 genes – WT-cluster-254-original



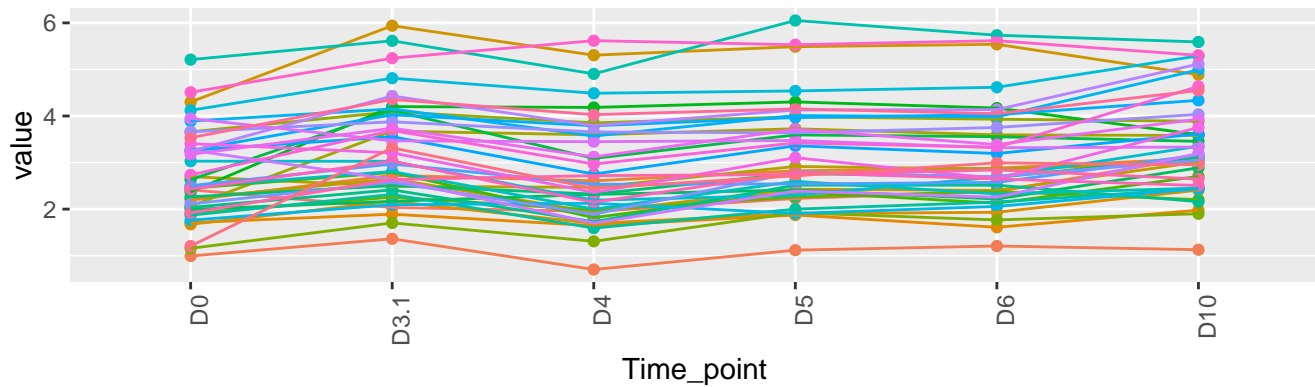
39 genes – KO-cluster-254-original



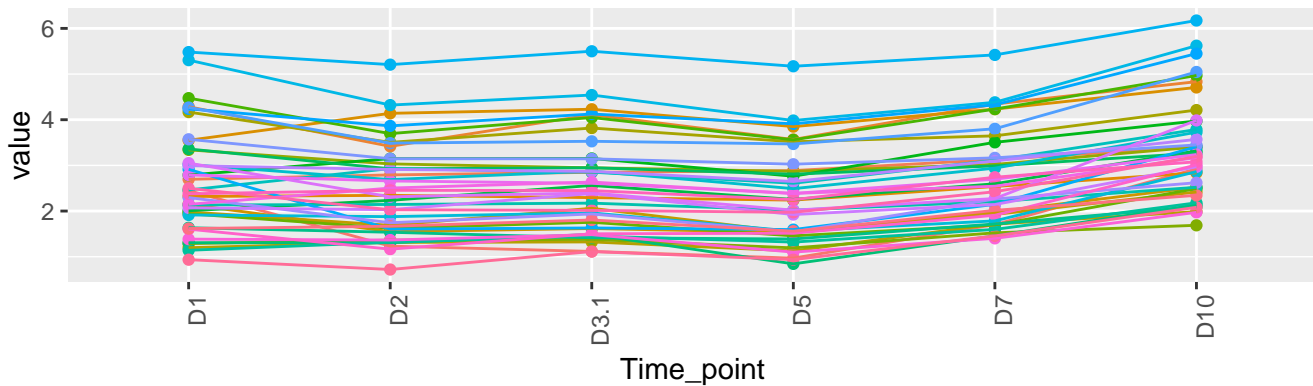
41 genes – WT-cluster-253-original



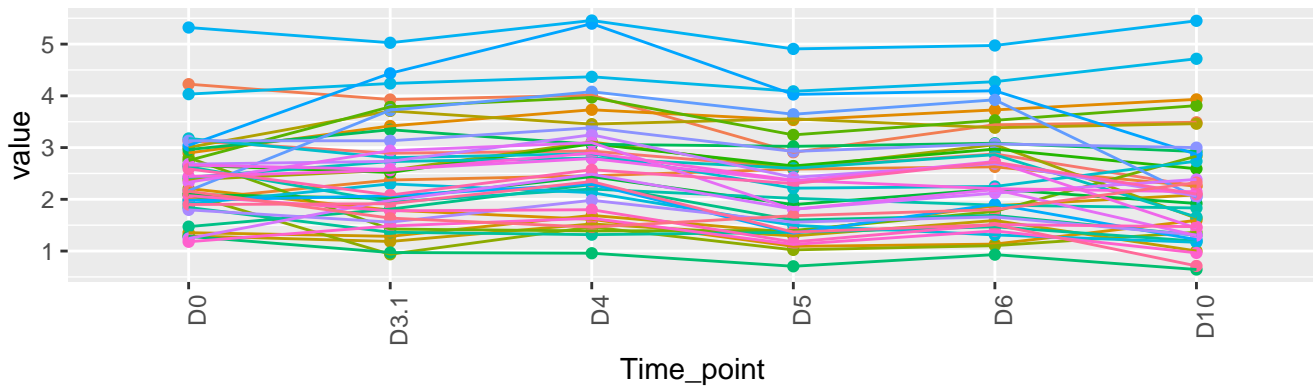
41 genes – KO-cluster-253-original



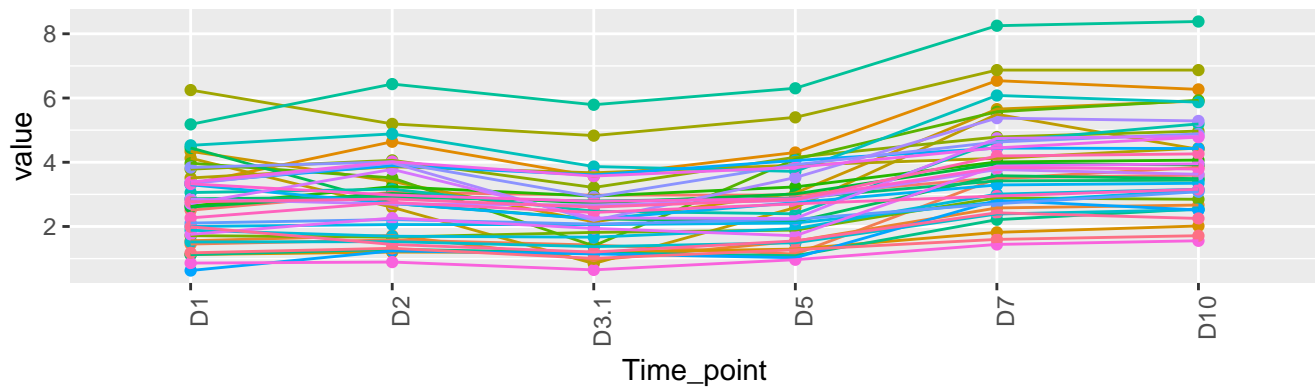
41 genes – WT-cluster-252-original



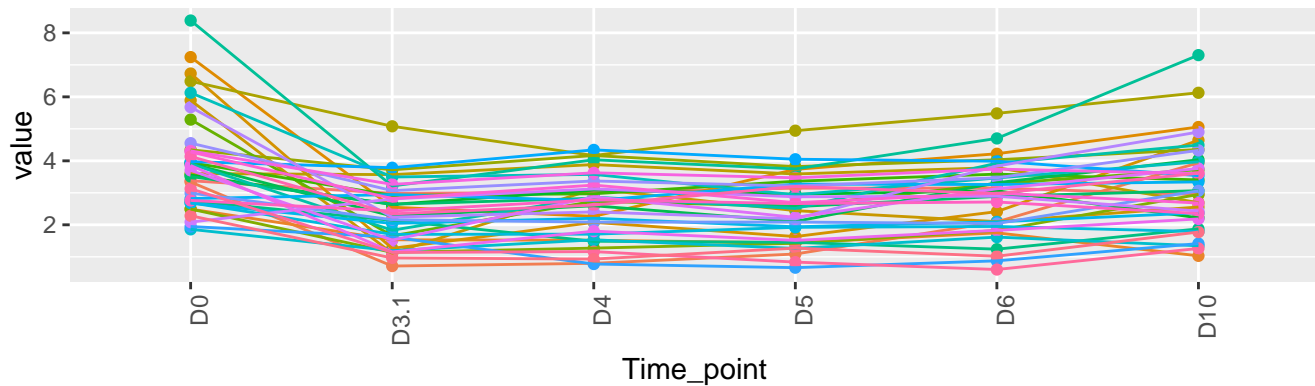
39 genes – KO-cluster-252-original



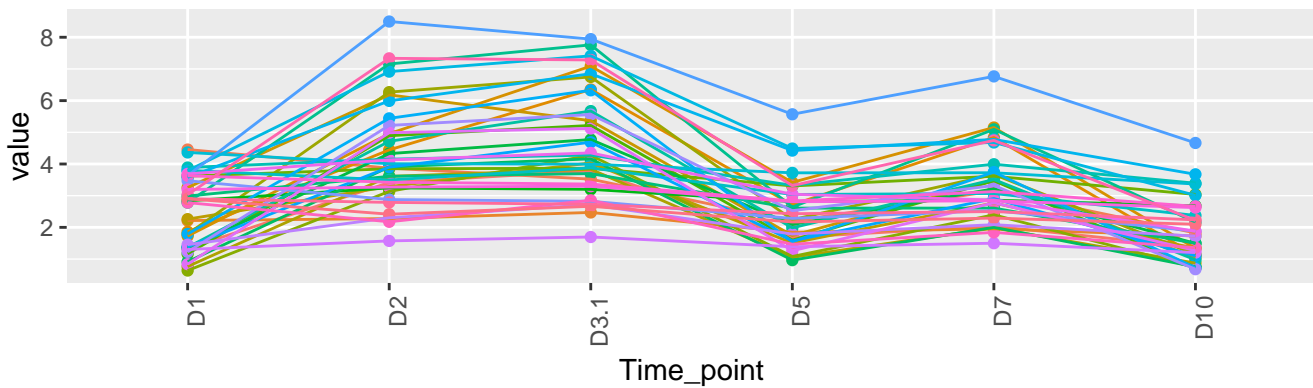
39 genes – WT-cluster-251-original



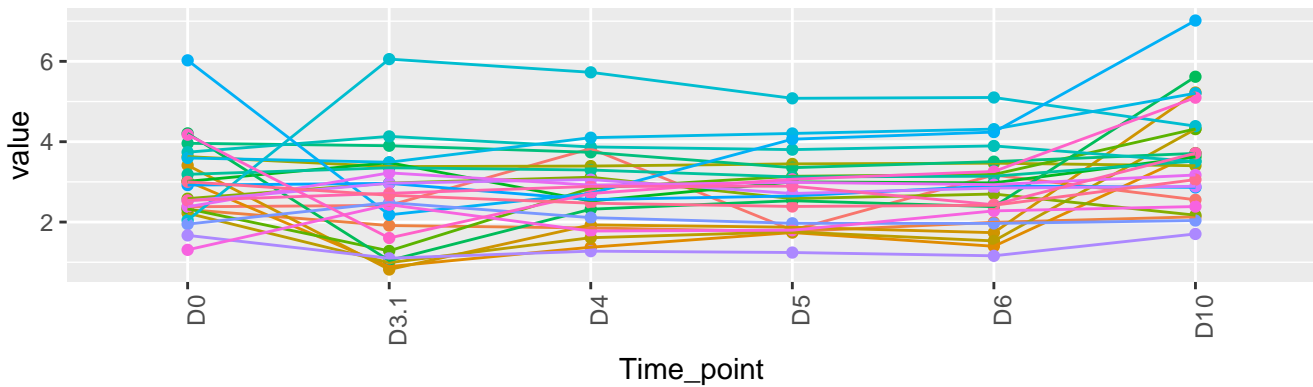
37 genes – KO-cluster-251-original



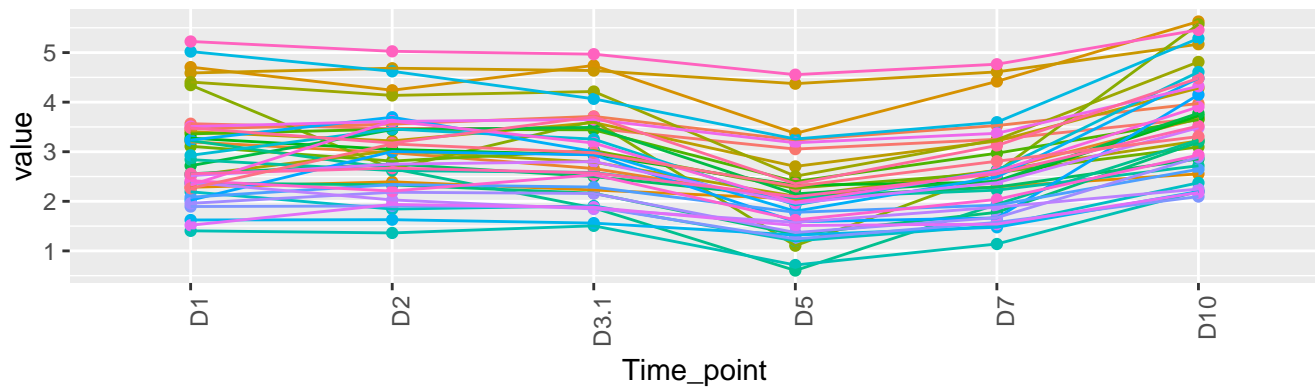
38 genes – WT-cluster-250-original



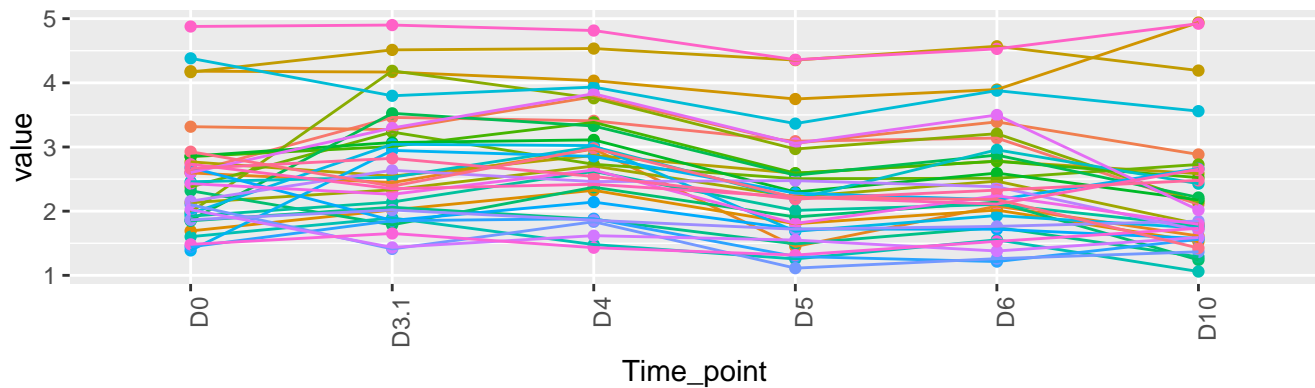
25 genes – KO-cluster-250-original



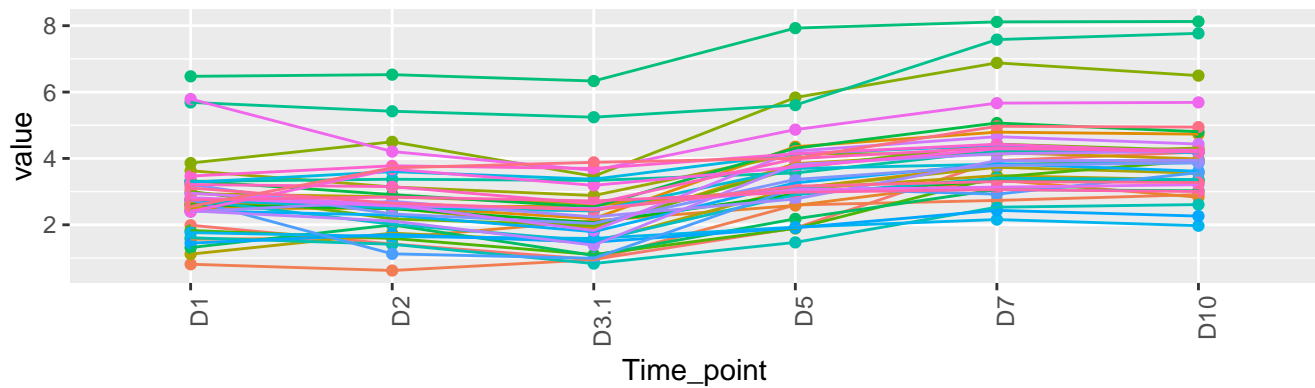
38 genes – WT-cluster-249-original



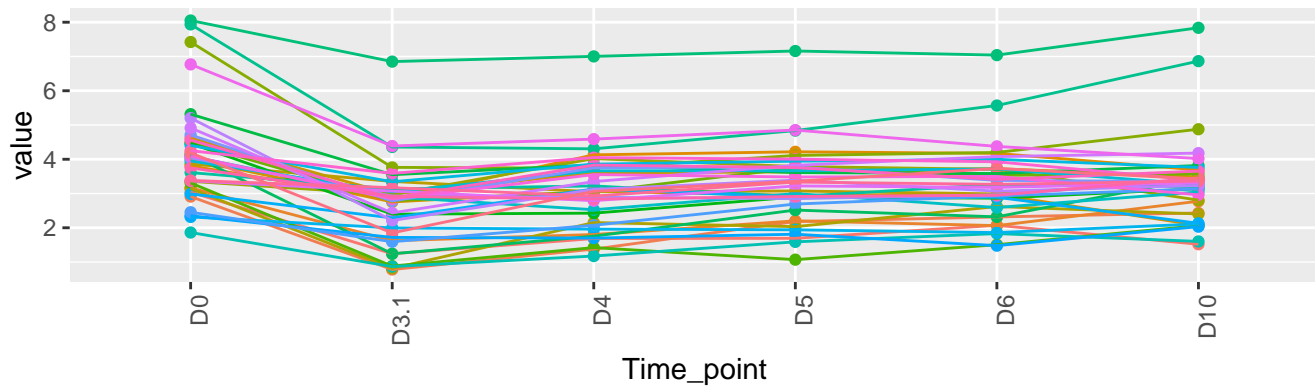
34 genes – KO-cluster-249-original



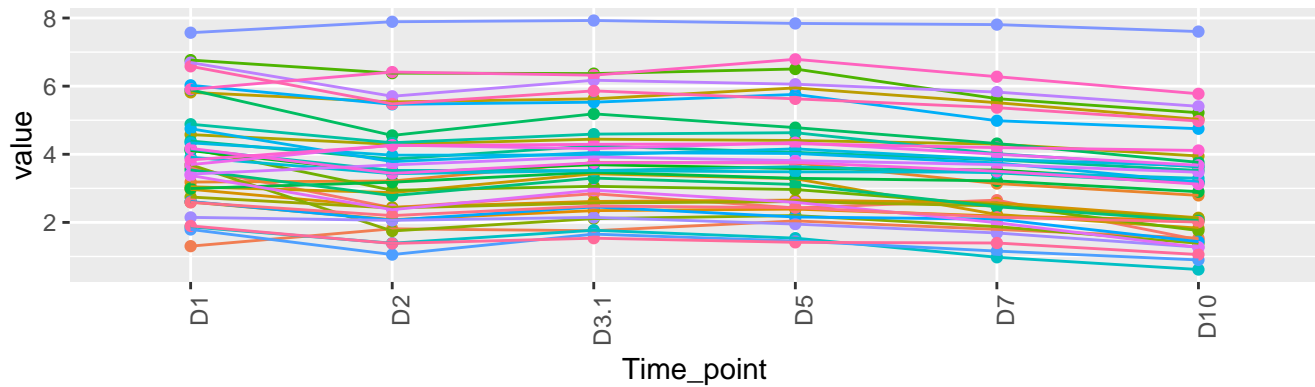
38 genes – WT-cluster-248-original



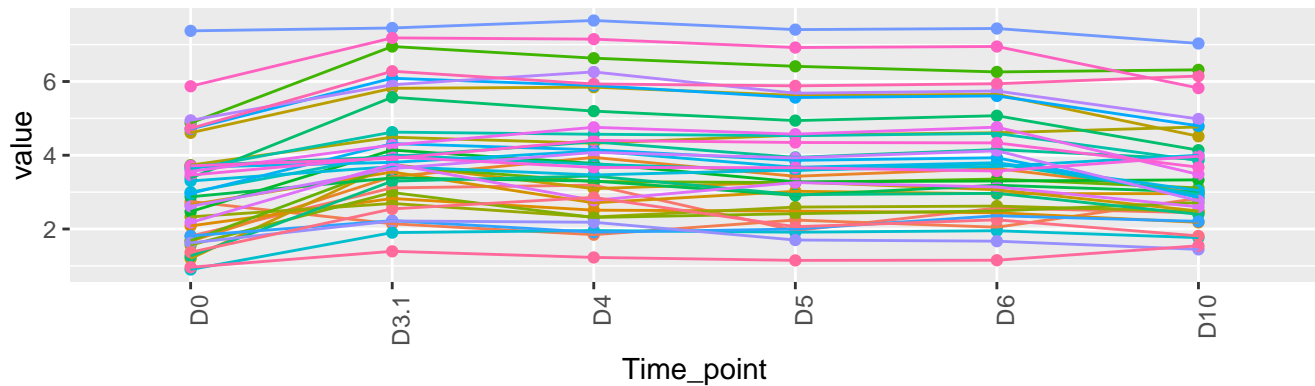
38 genes – KO-cluster-248-original



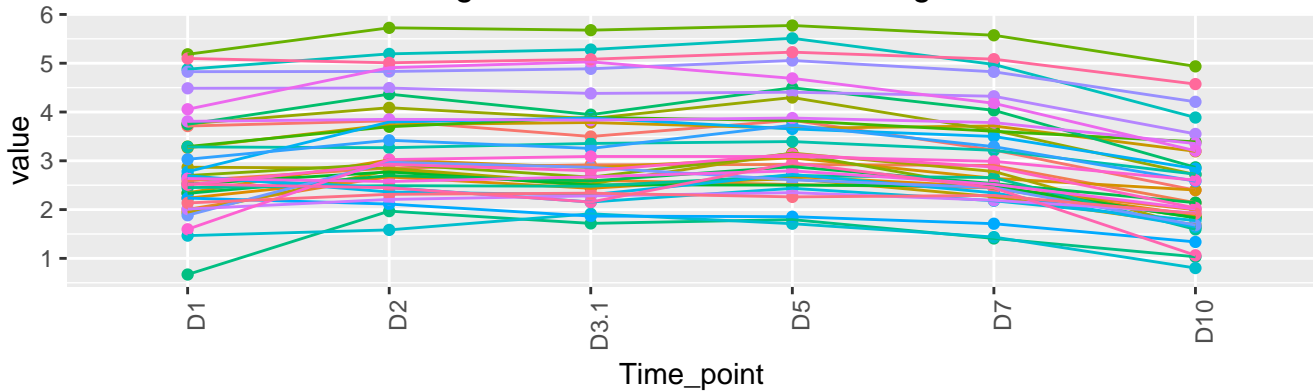
38 genes – WT-cluster-247-original



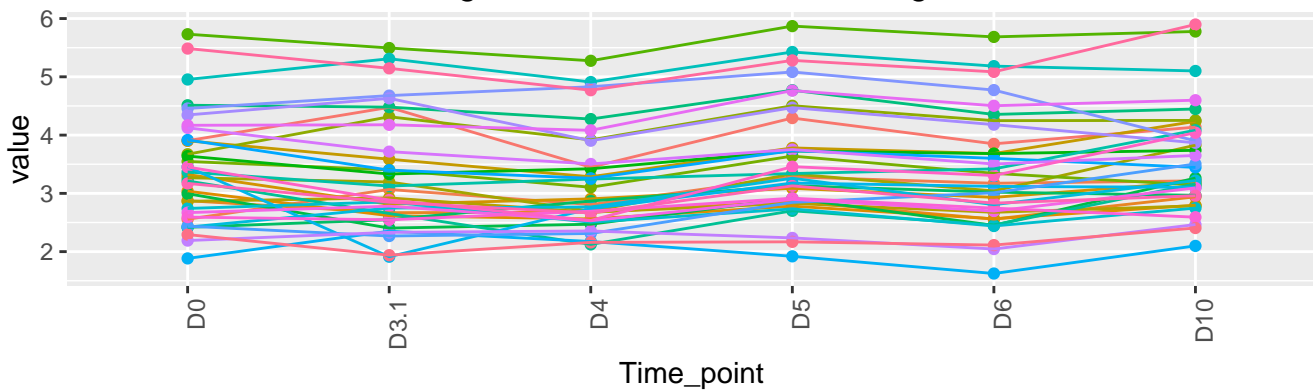
37 genes – KO-cluster-247-original



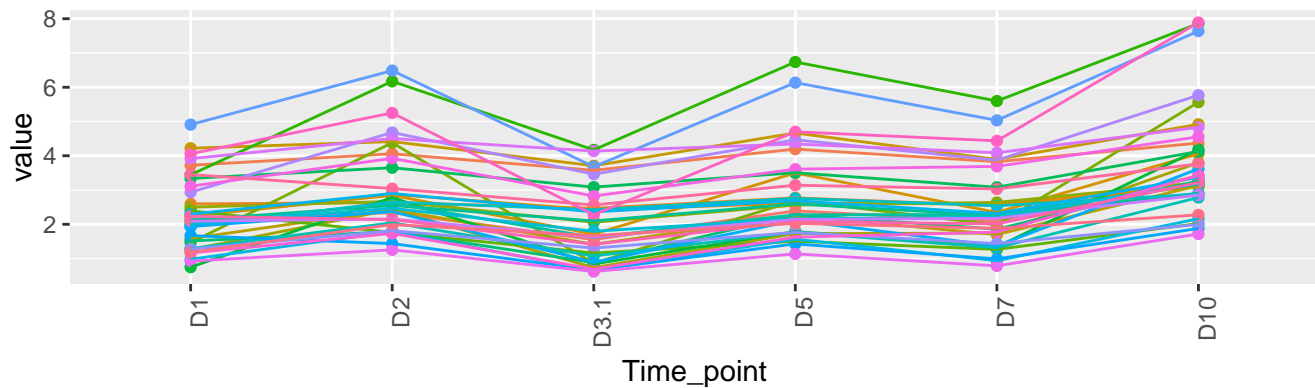
37 genes – WT-cluster-246-original



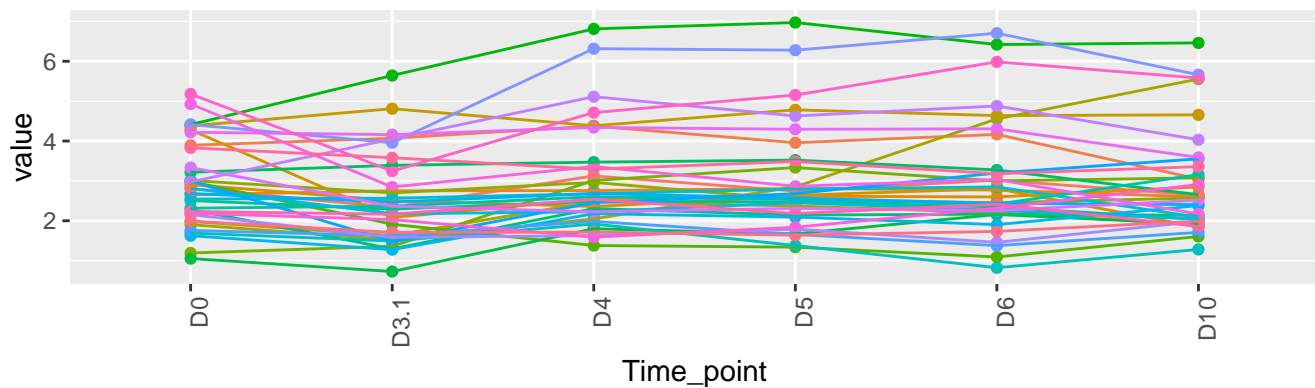
35 genes – KO-cluster-246-original



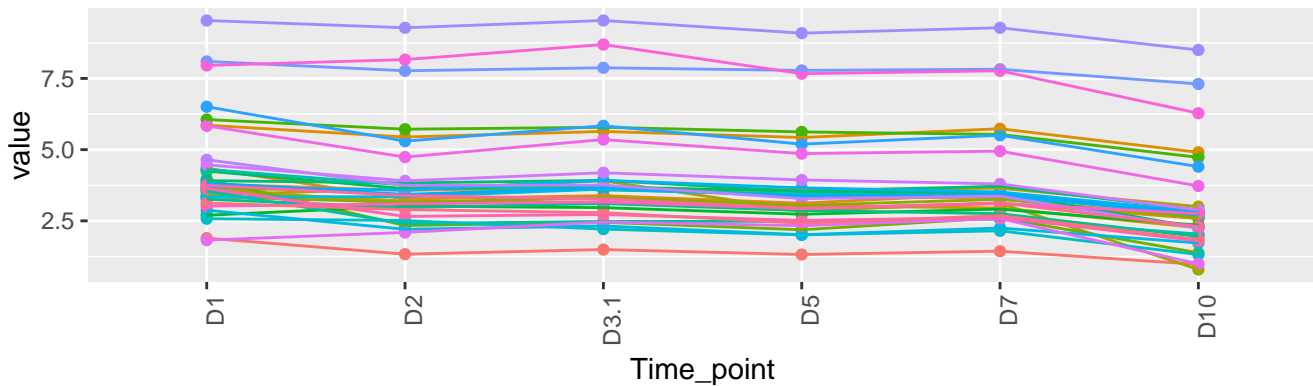
36 genes – WT-cluster-245-original



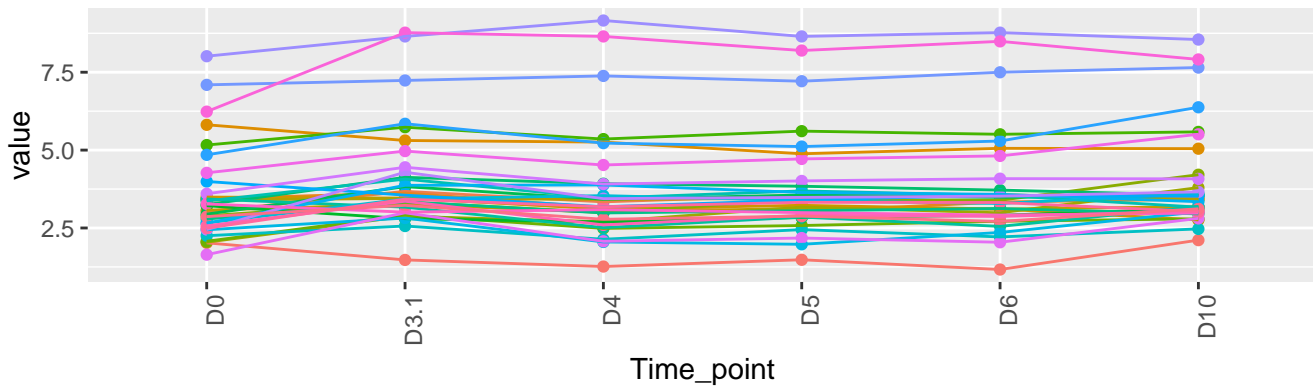
35 genes – KO-cluster-245-original



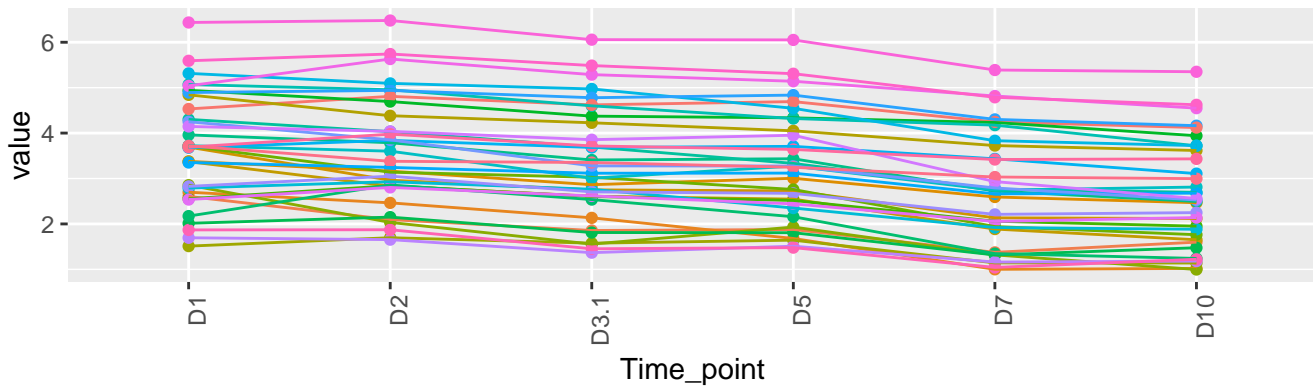
34 genes – WT-cluster-244-original



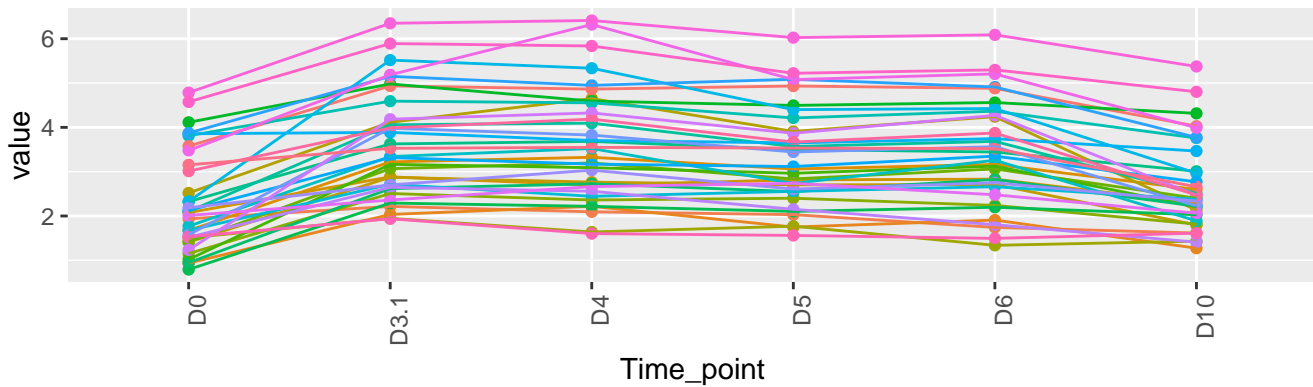
34 genes – KO-cluster-244-original



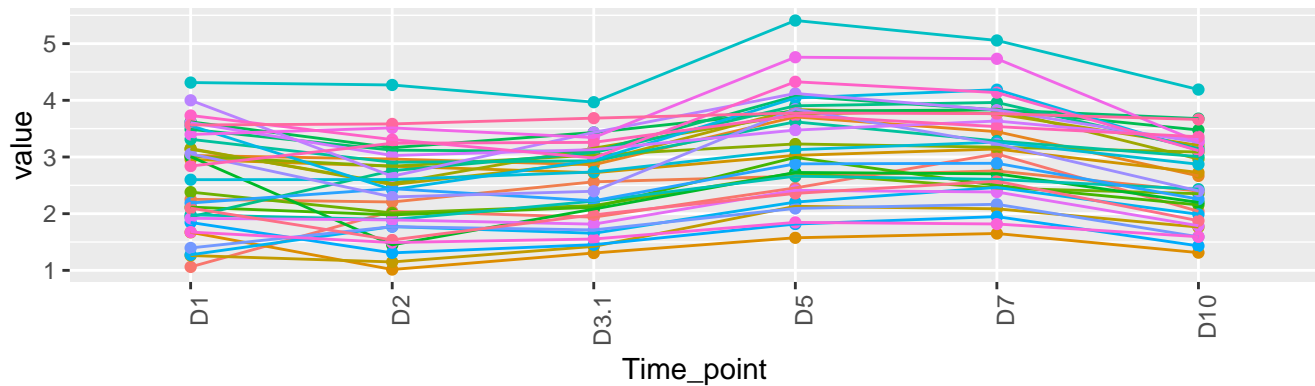
34 genes – WT-cluster-243-original



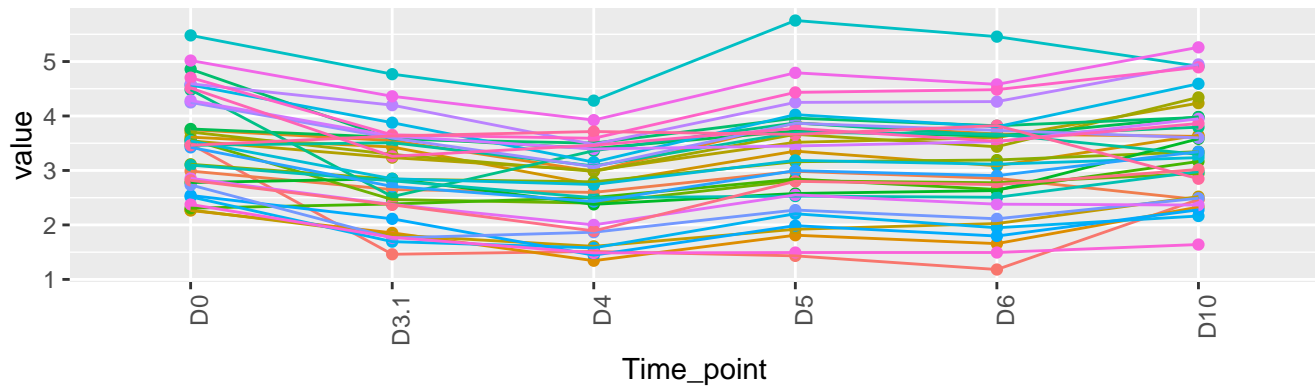
34 genes – KO-cluster-243-original



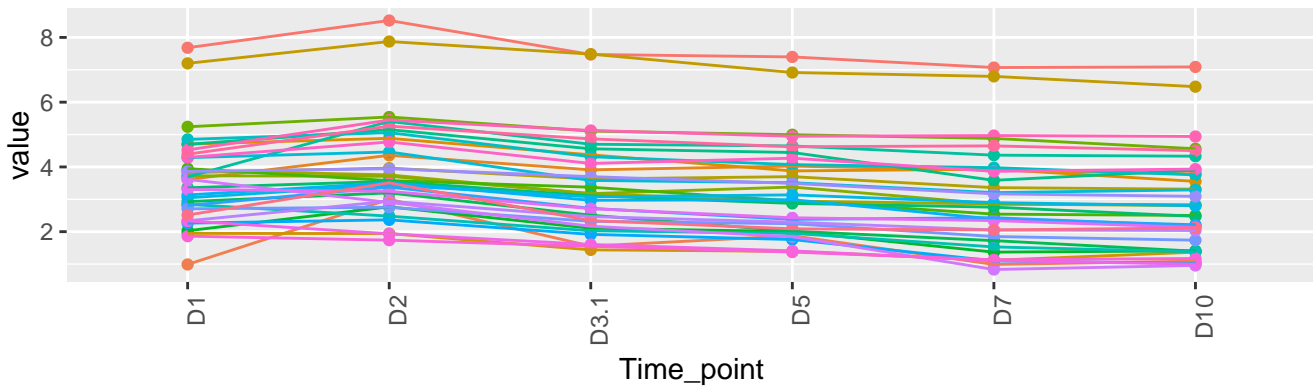
34 genes – WT-cluster-242-original



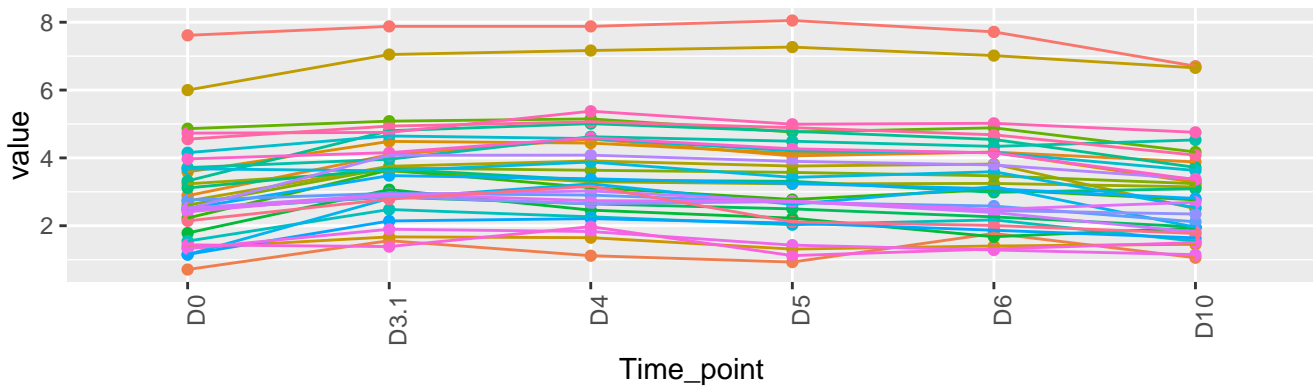
34 genes – KO-cluster-242-original



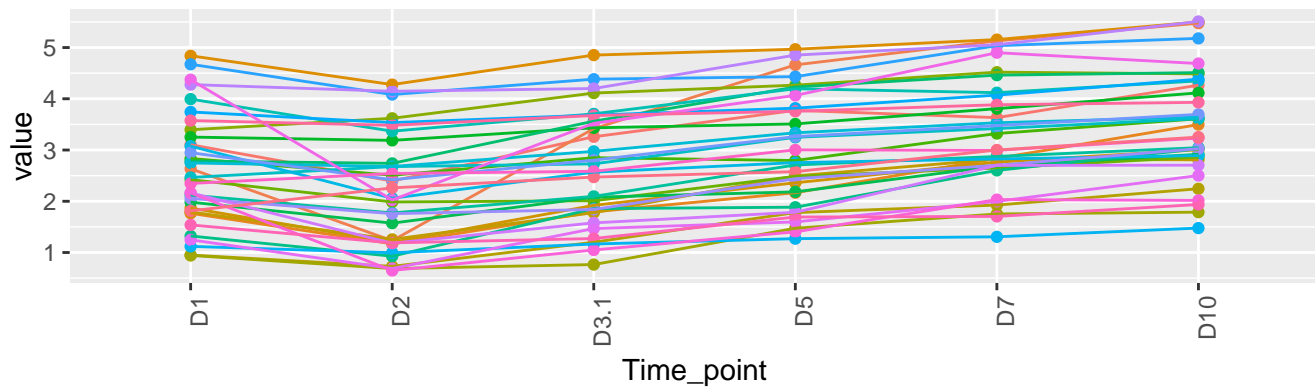
34 genes – WT-cluster-241-original



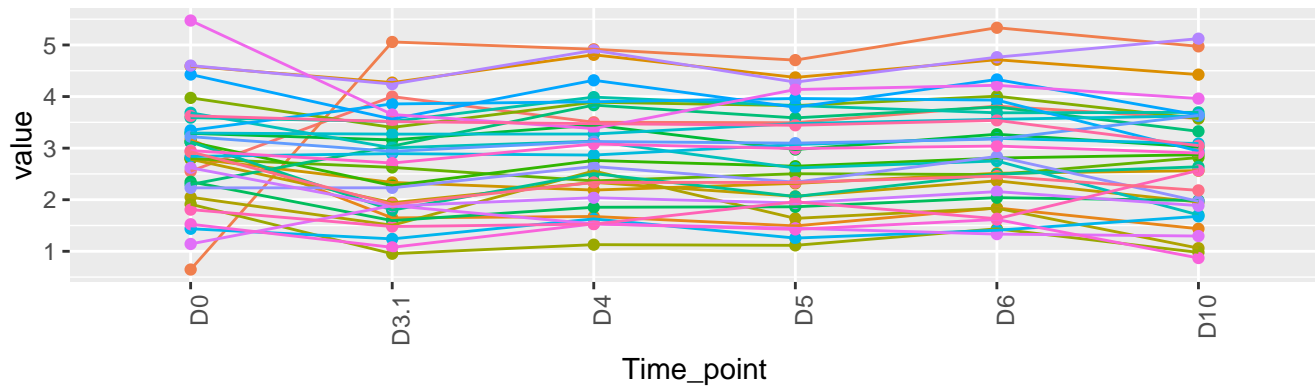
33 genes – KO-cluster-241-original



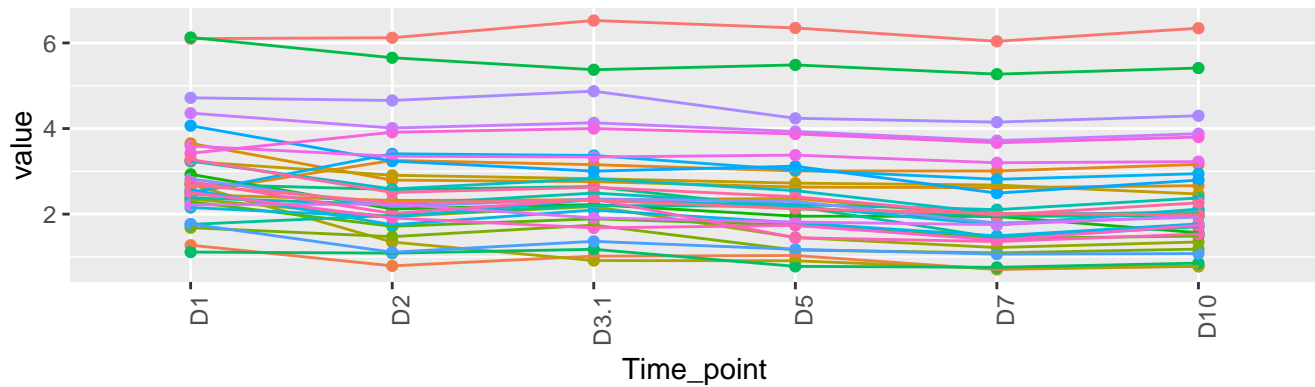
34 genes – WT-cluster-240-original



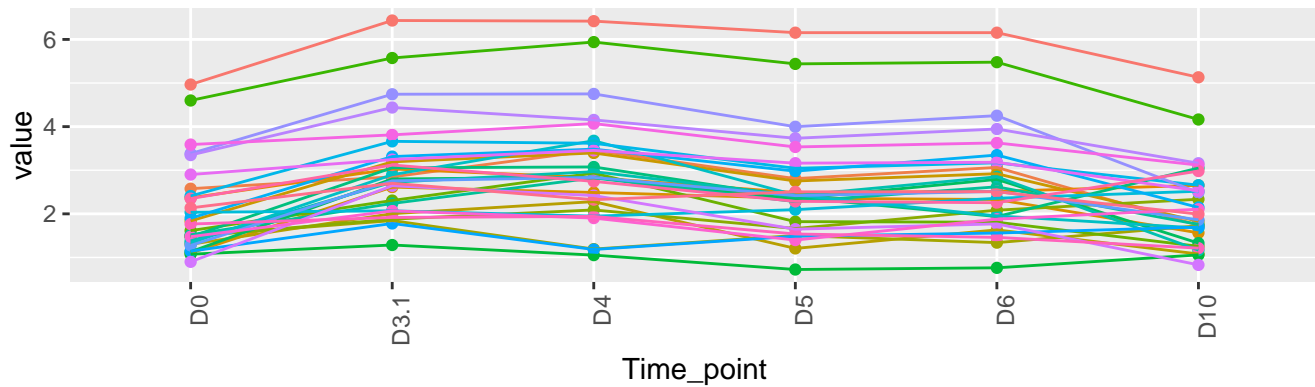
33 genes – KO-cluster-240-original



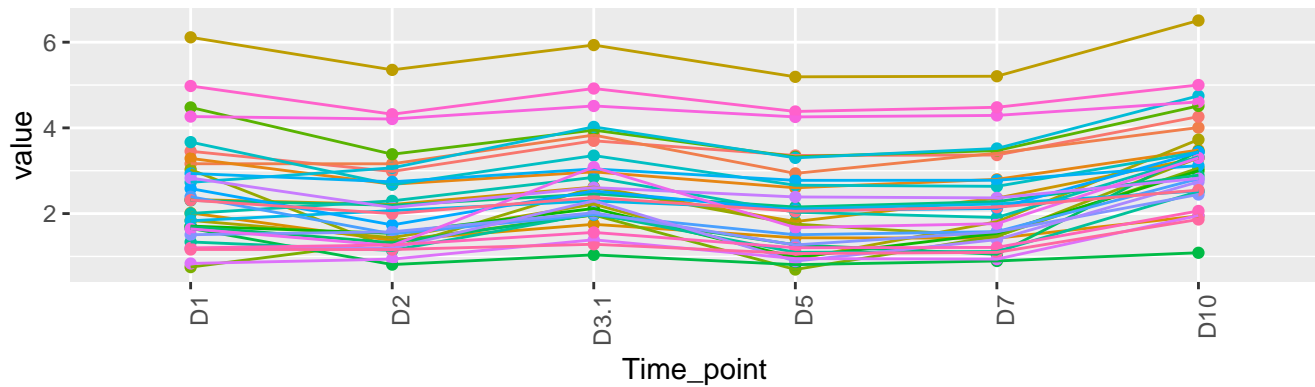
32 genes – WT-cluster-239-original



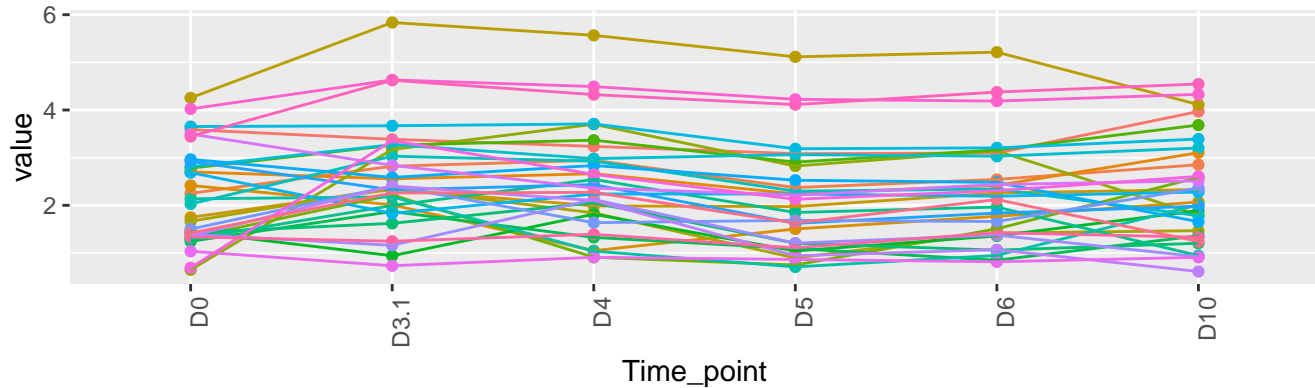
30 genes – KO-cluster-239-original



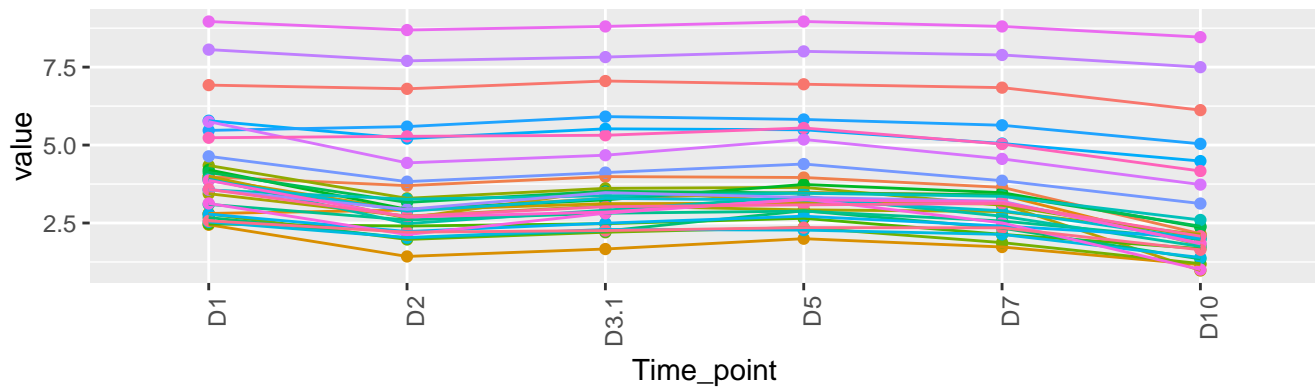
32 genes – WT-cluster-238-original



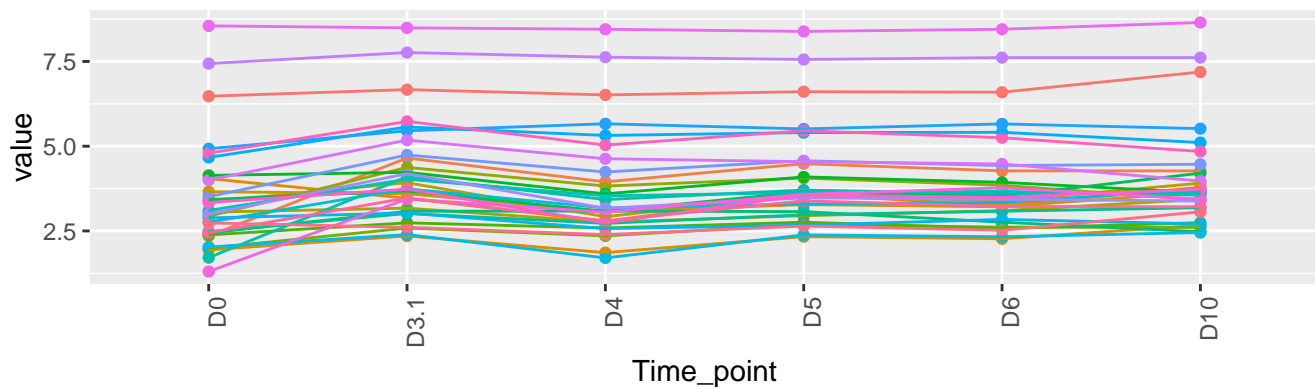
31 genes – KO-cluster-238-original



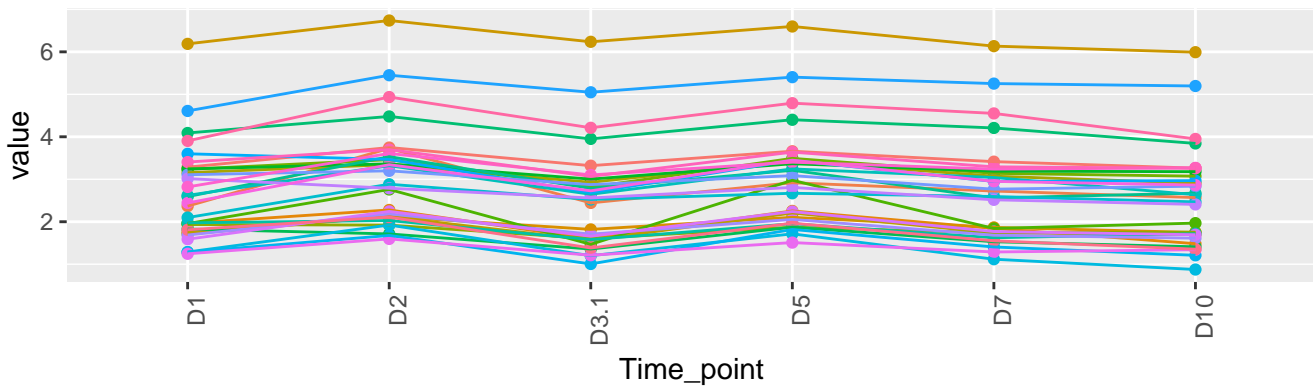
31 genes – WT-cluster-237-original



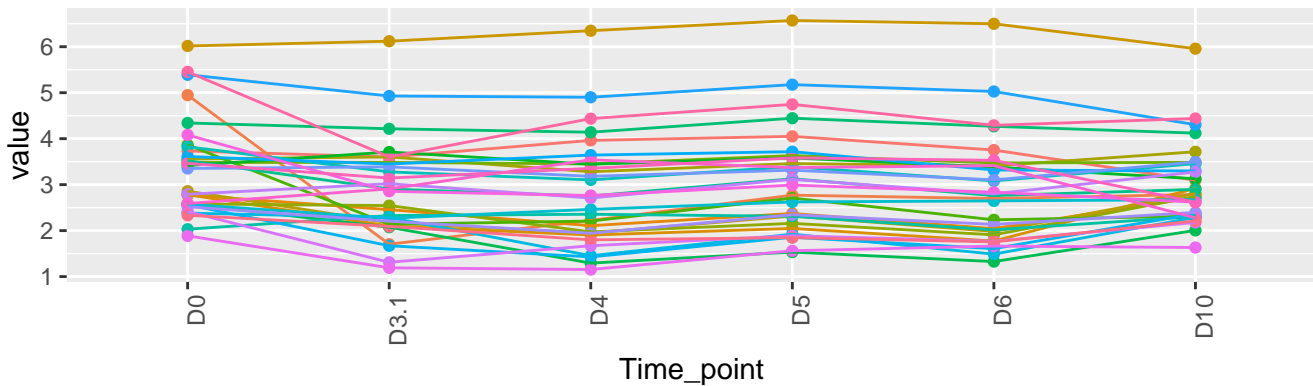
31 genes – KO-cluster-237-original



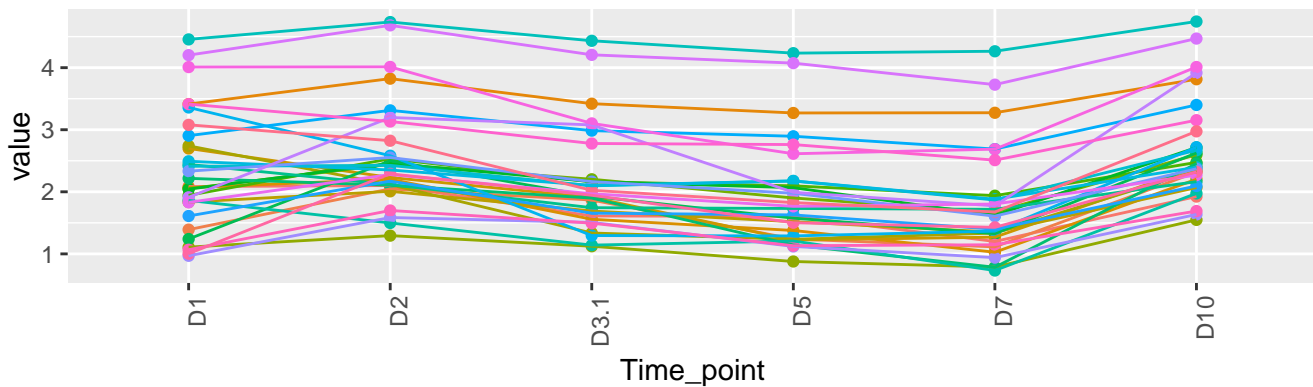
31 genes – WT-cluster-236-original



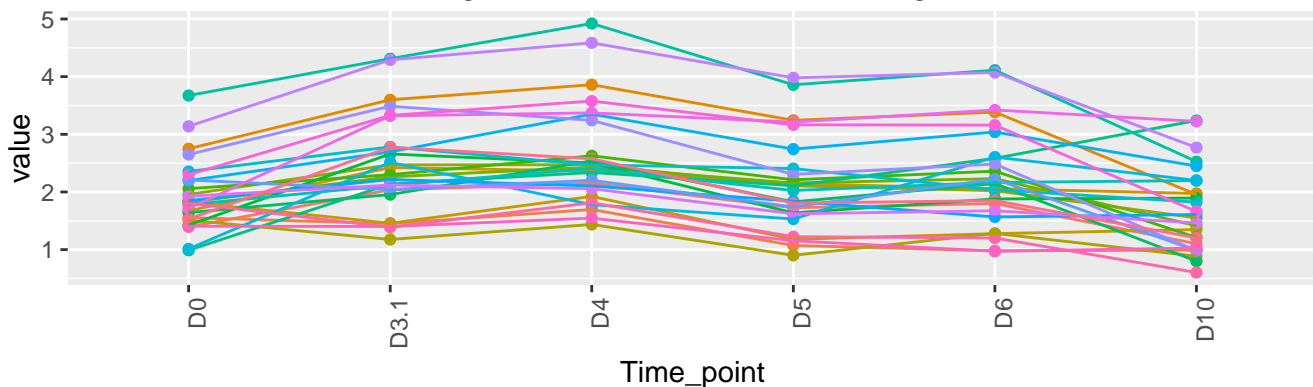
31 genes – KO-cluster-236-original



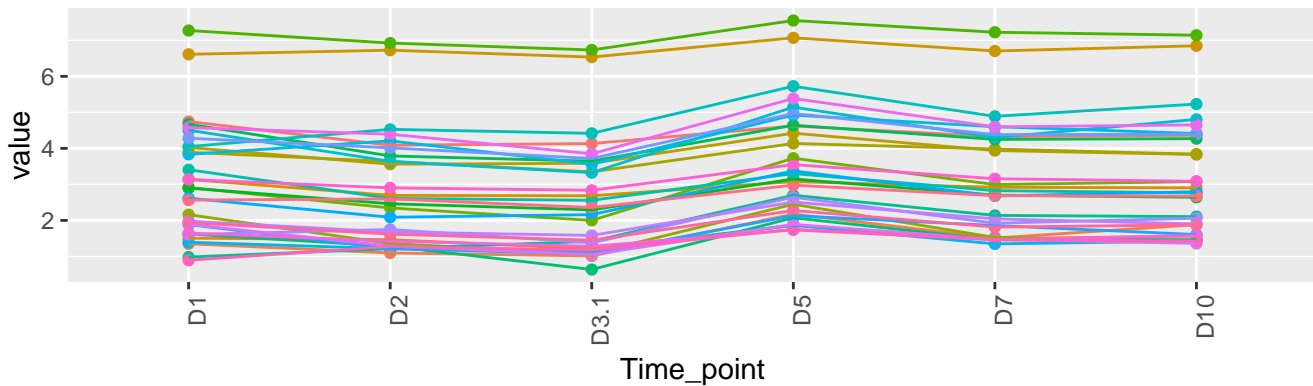
31 genes – WT-cluster-235-original



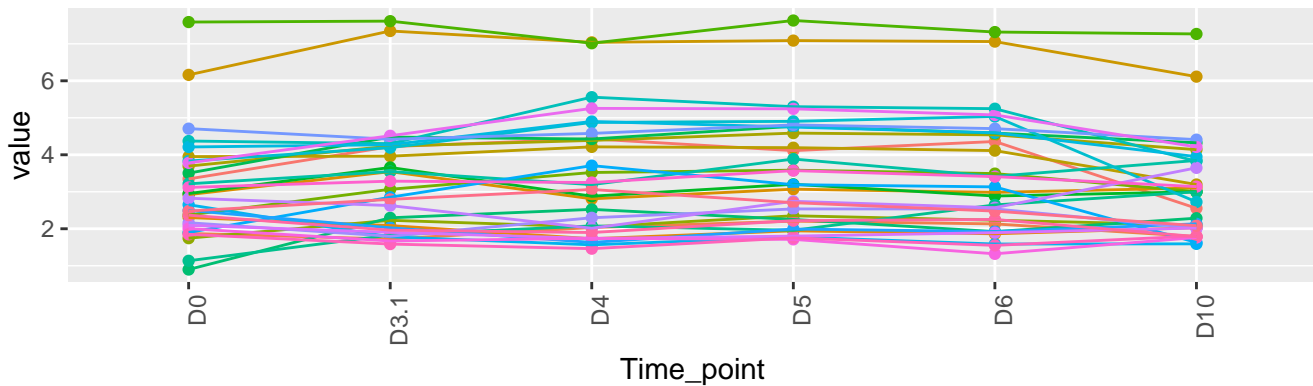
27 genes – KO-cluster-235-original



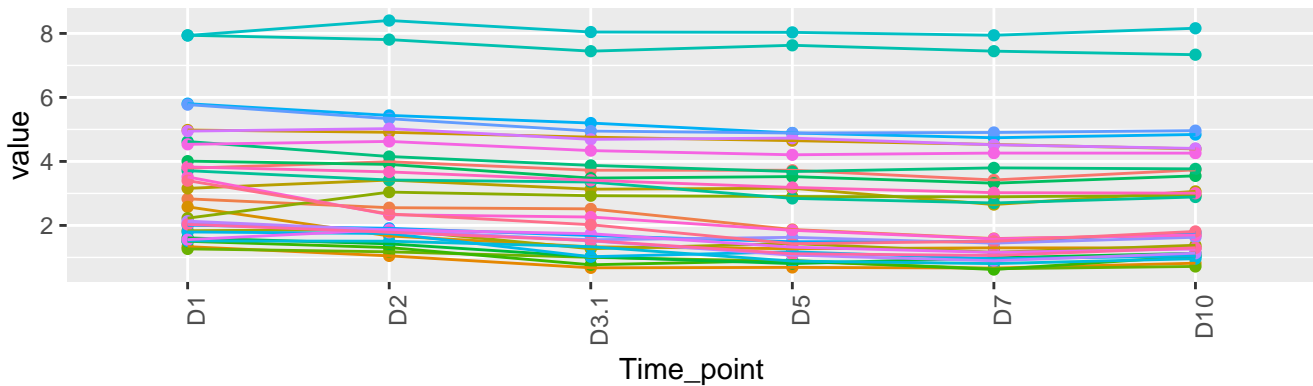
31 genes – WT-cluster-234-original



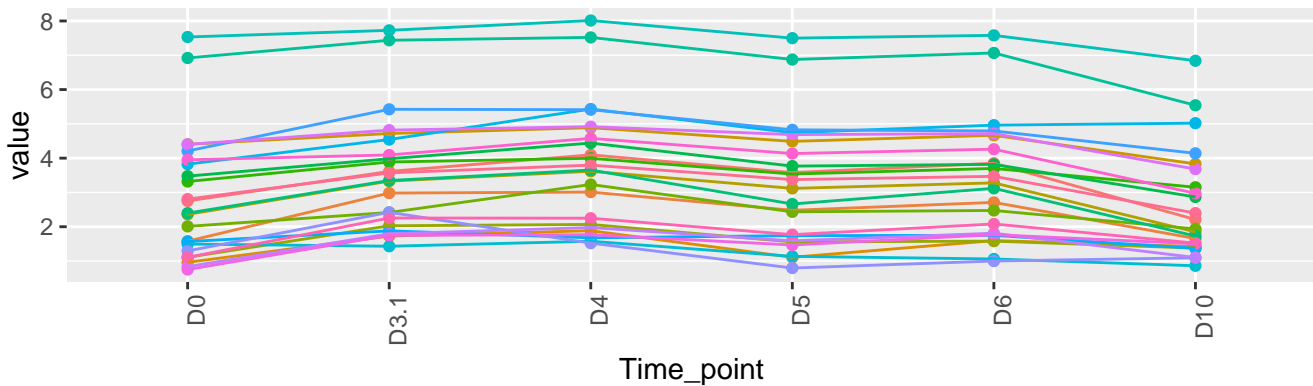
31 genes – KO-cluster-234-original



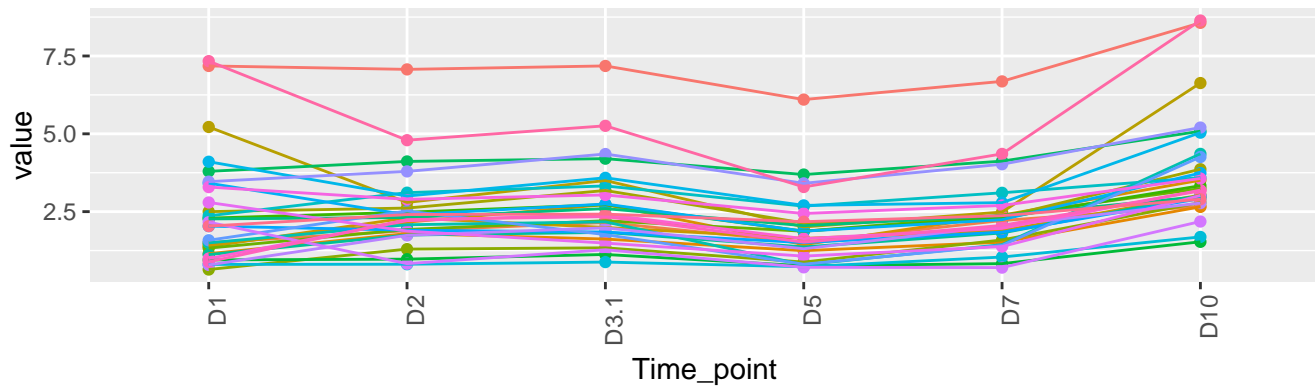
30 genes – WT-cluster-233-original



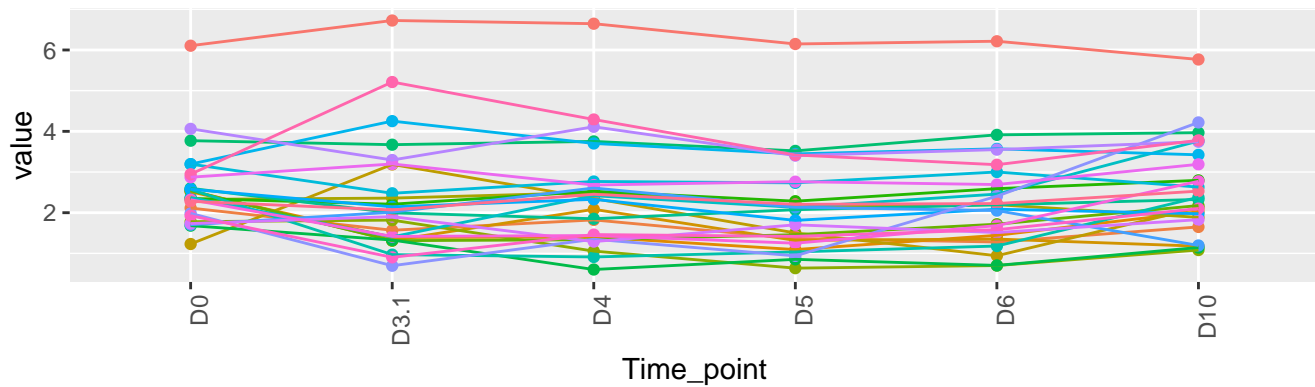
23 genes – KO-cluster-233-original



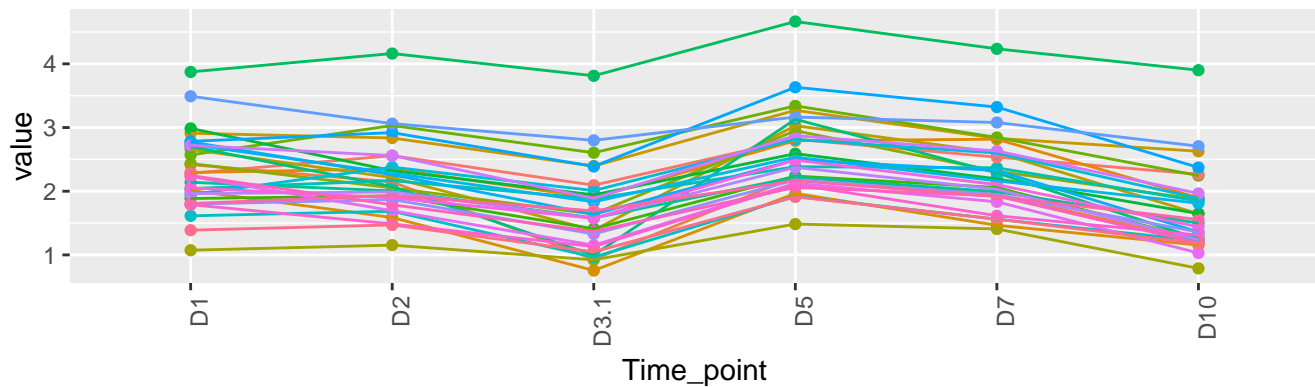
30 genes – WT-cluster-232-original



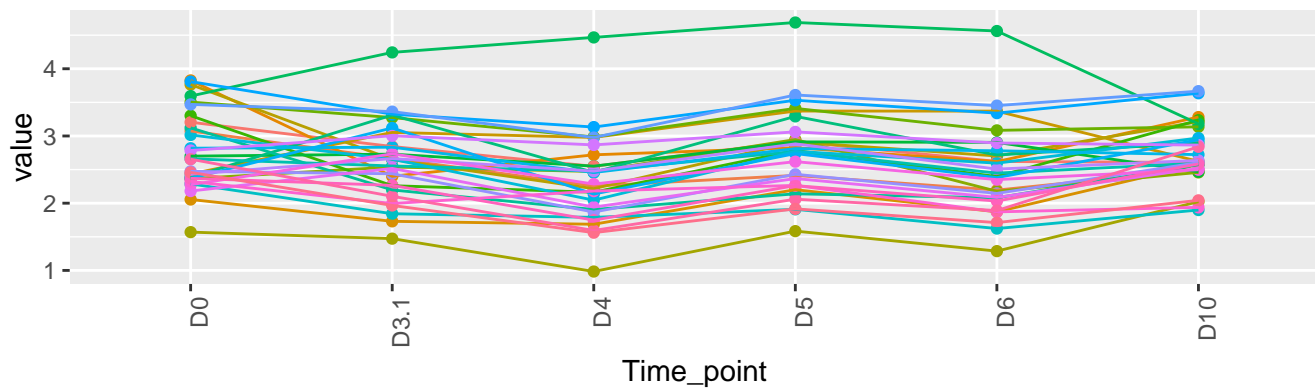
26 genes – KO-cluster-232-original



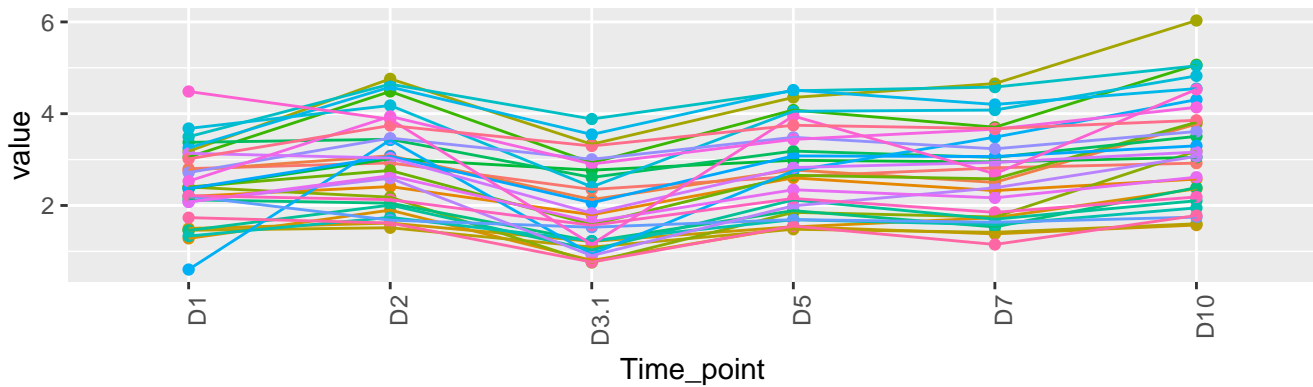
30 genes – WT-cluster-231-original



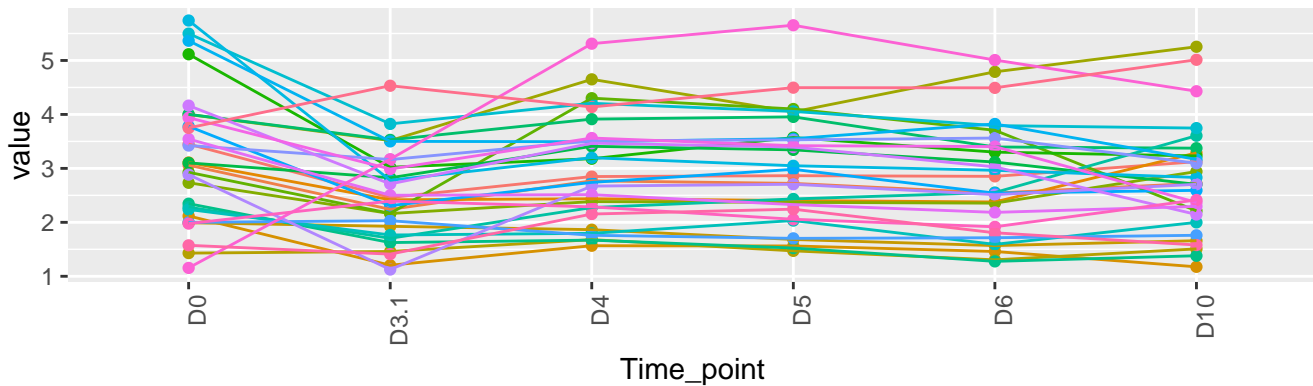
30 genes – KO-cluster-231-original



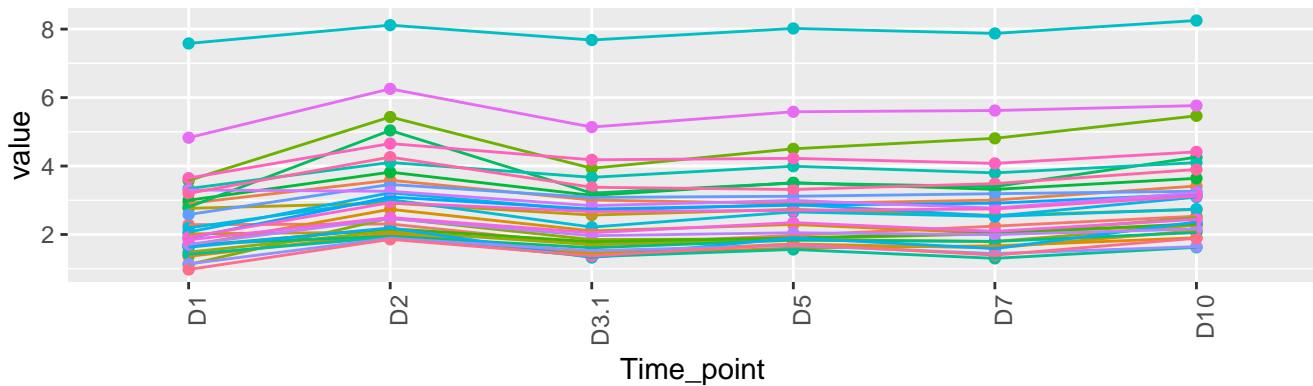
30 genes – WT-cluster-230-original



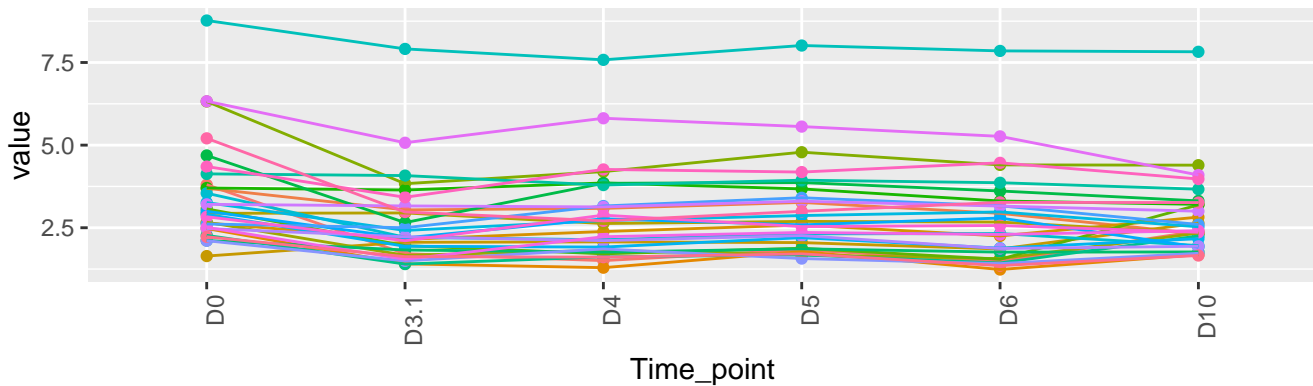
29 genes – KO-cluster-230-original



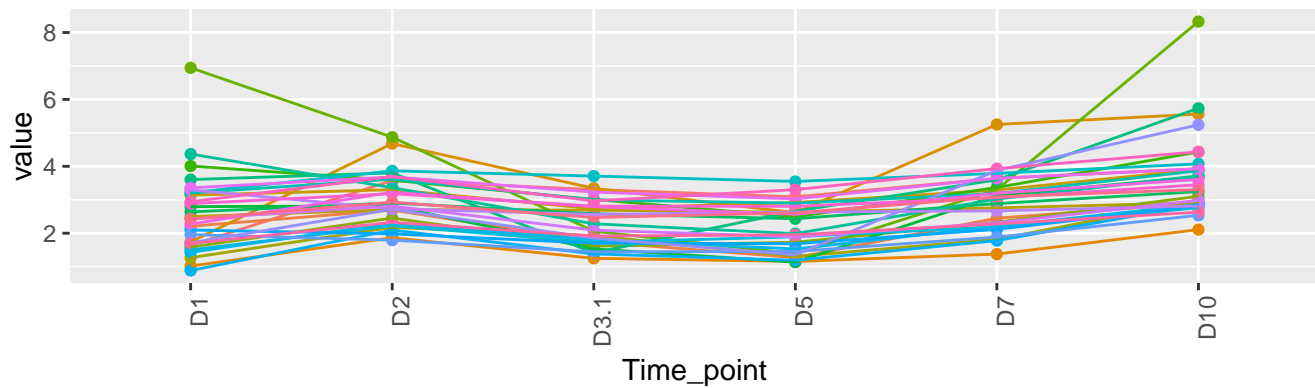
30 genes – WT-cluster-229-original



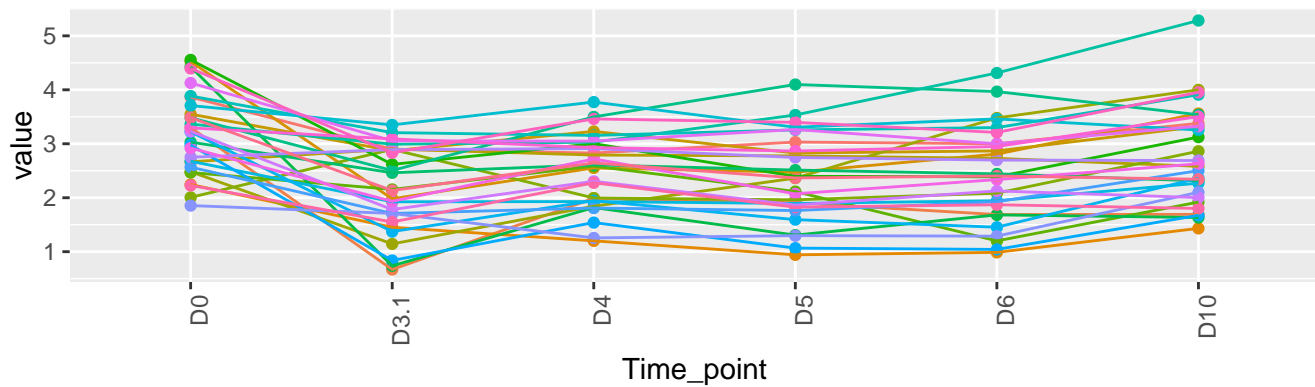
29 genes – KO-cluster-229-original



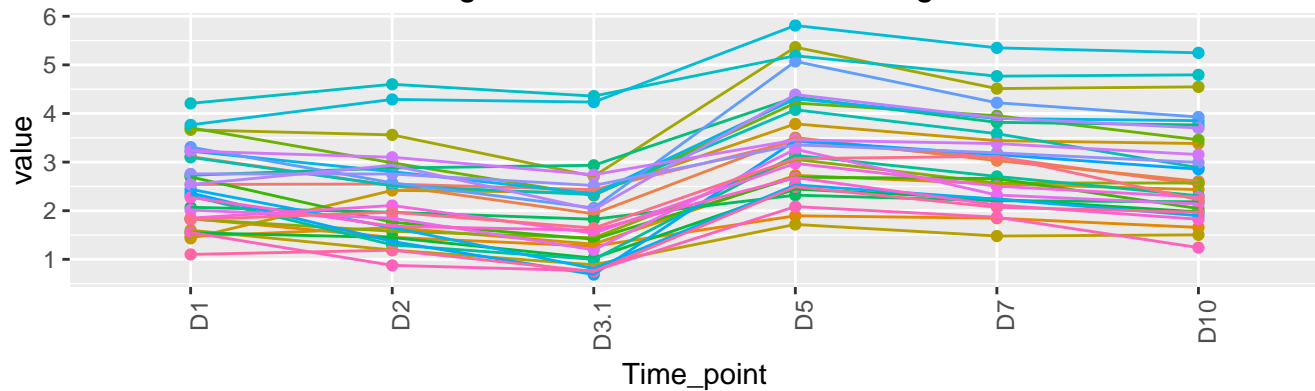
30 genes – WT-cluster-228-original



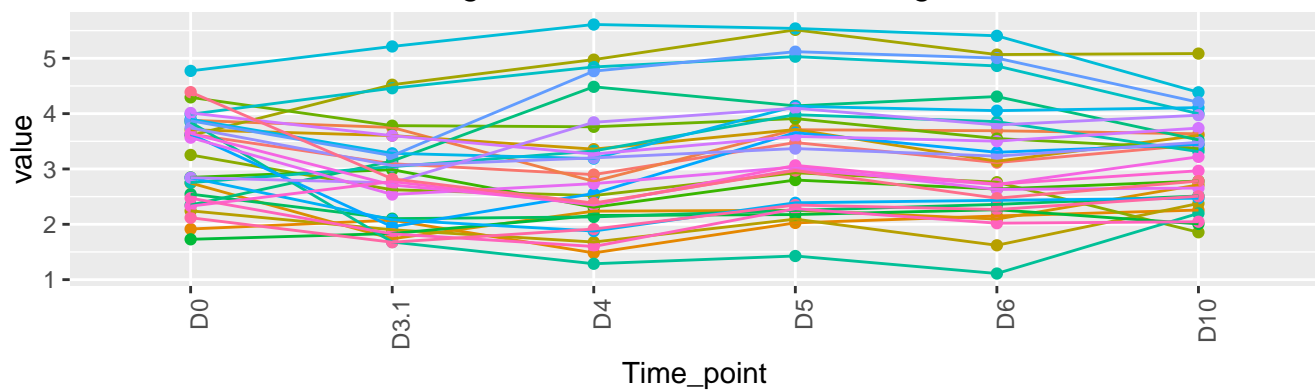
29 genes – KO-cluster-228-original



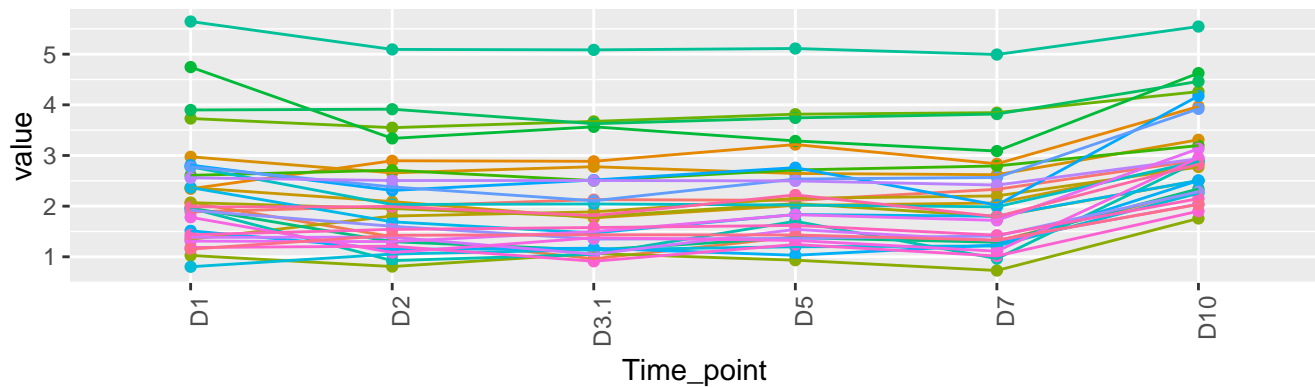
30 genes – WT-cluster-227-original



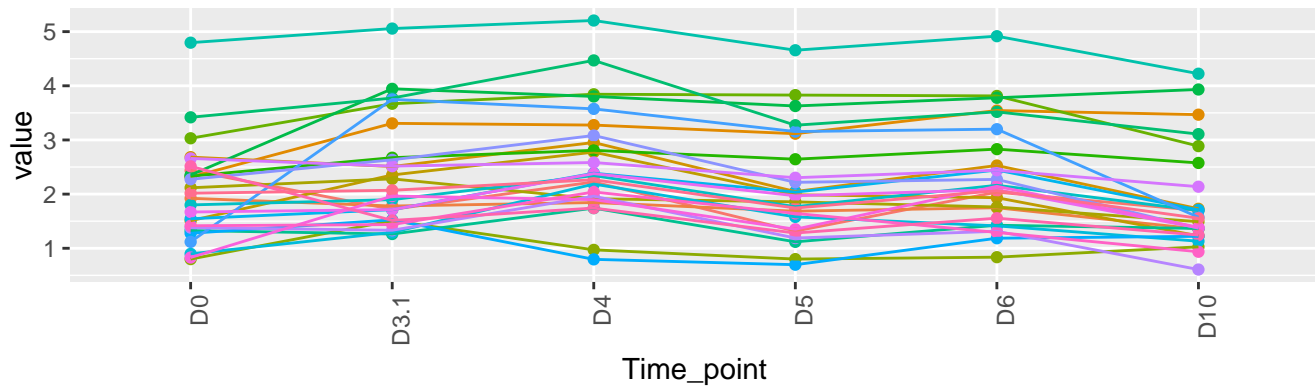
30 genes – KO-cluster-227-original



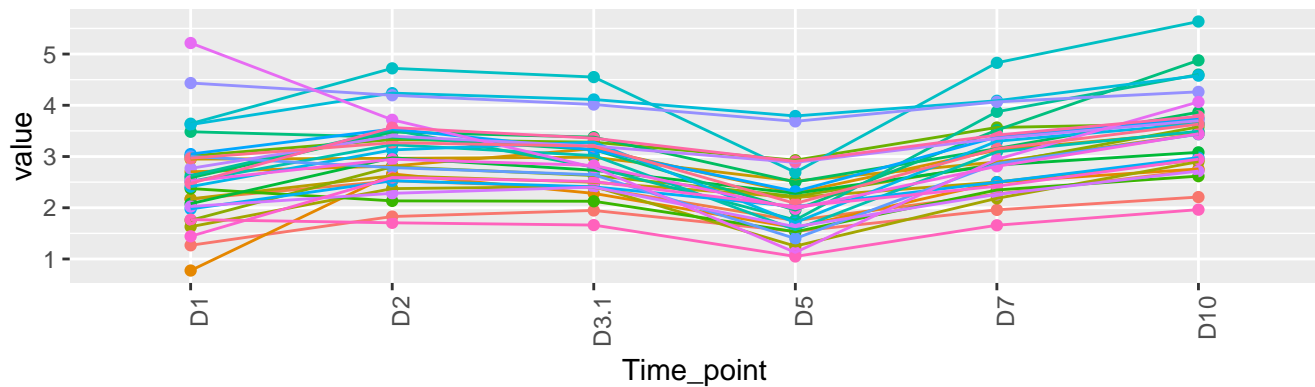
30 genes – WT-cluster-226-original



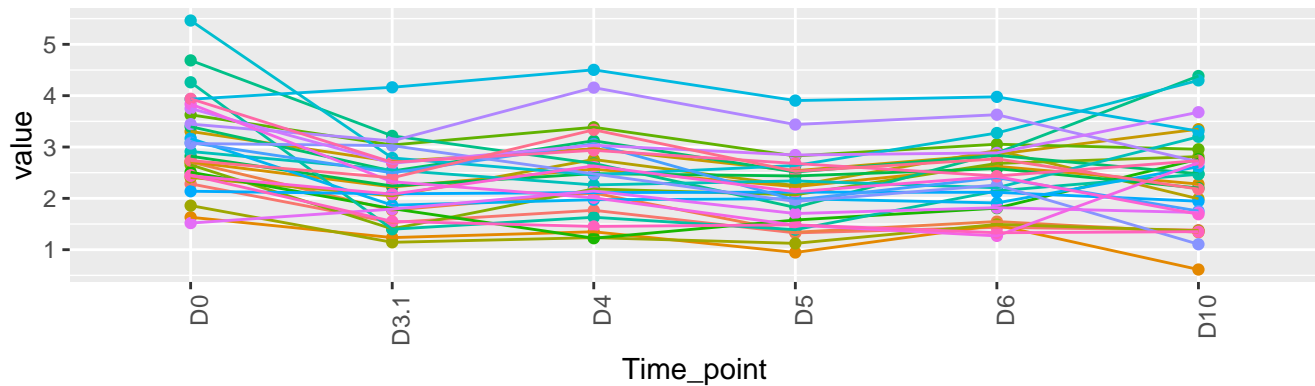
26 genes – KO-cluster-226-original



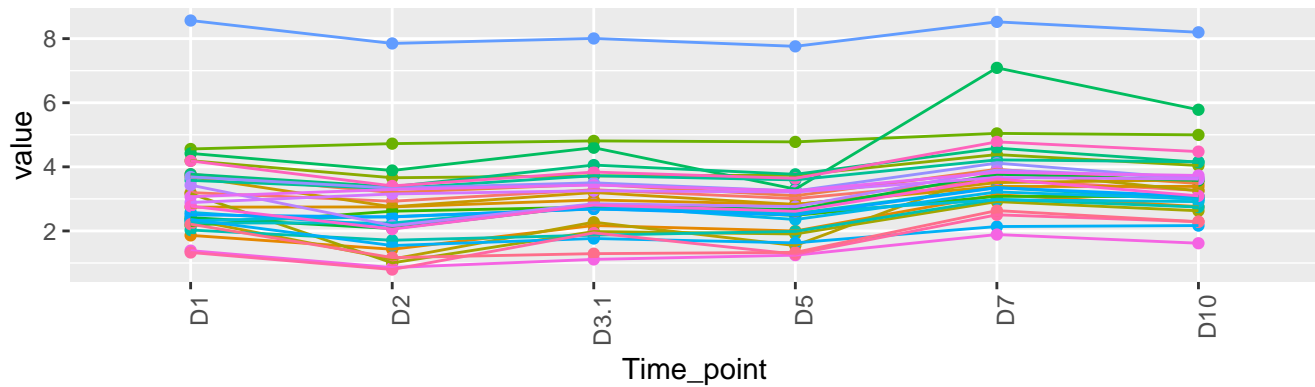
30 genes – WT-cluster-225-original



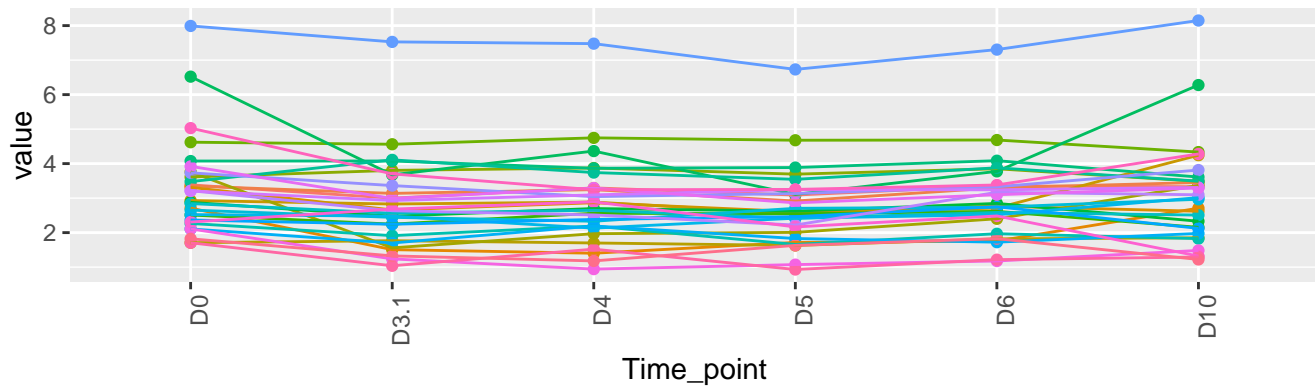
29 genes – KO-cluster-225-original



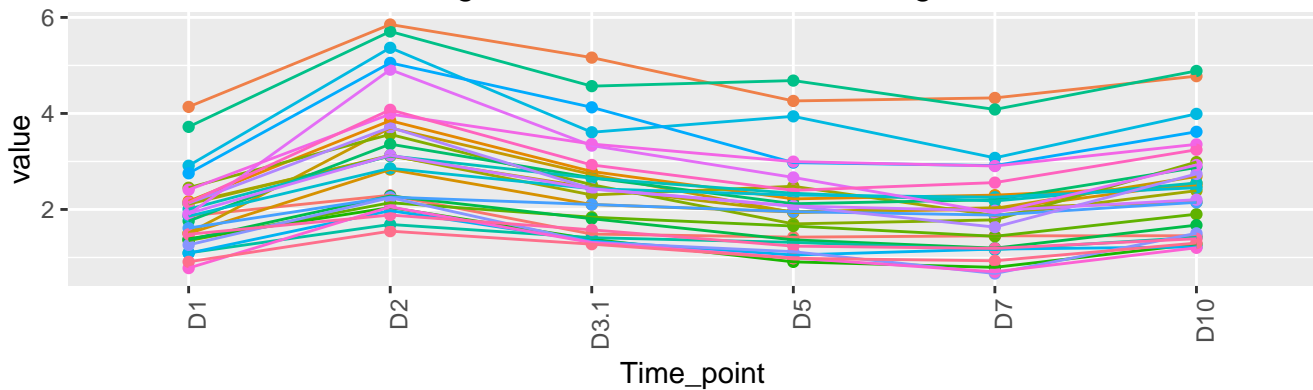
30 genes – WT-cluster-224-original



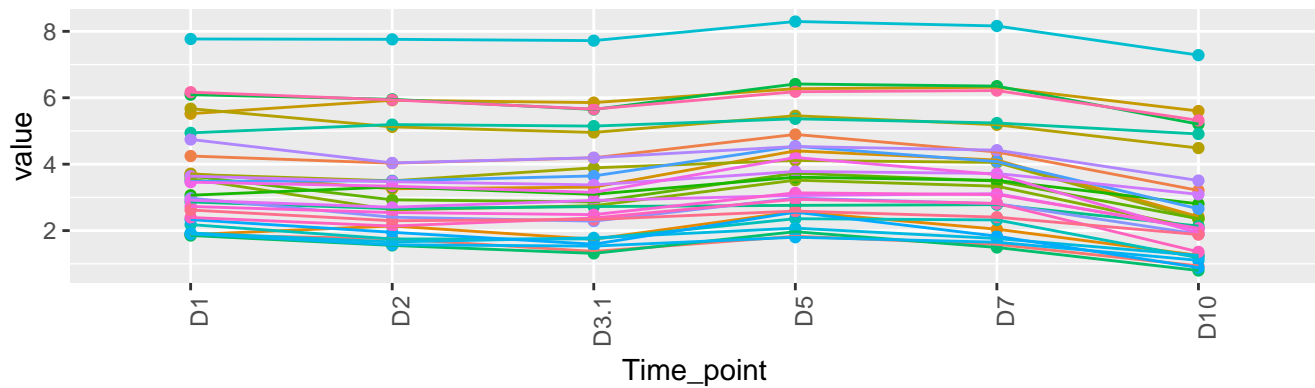
30 genes – KO-cluster-224-original



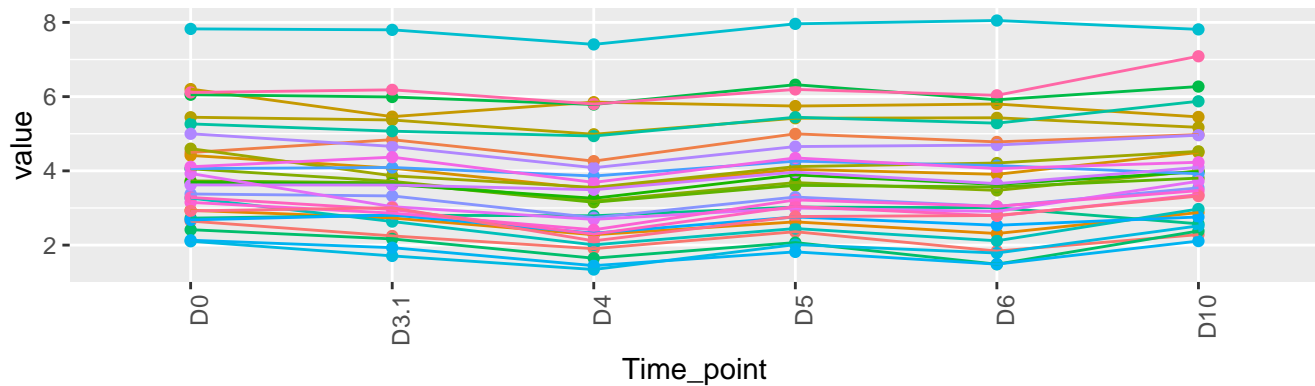
29 genes – WT-cluster-223-original



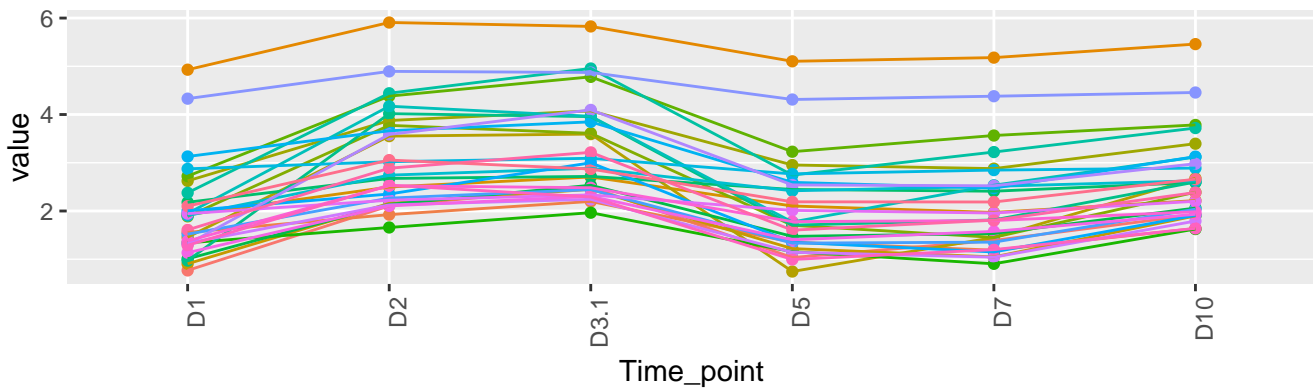
29 genes – WT-cluster-222-original



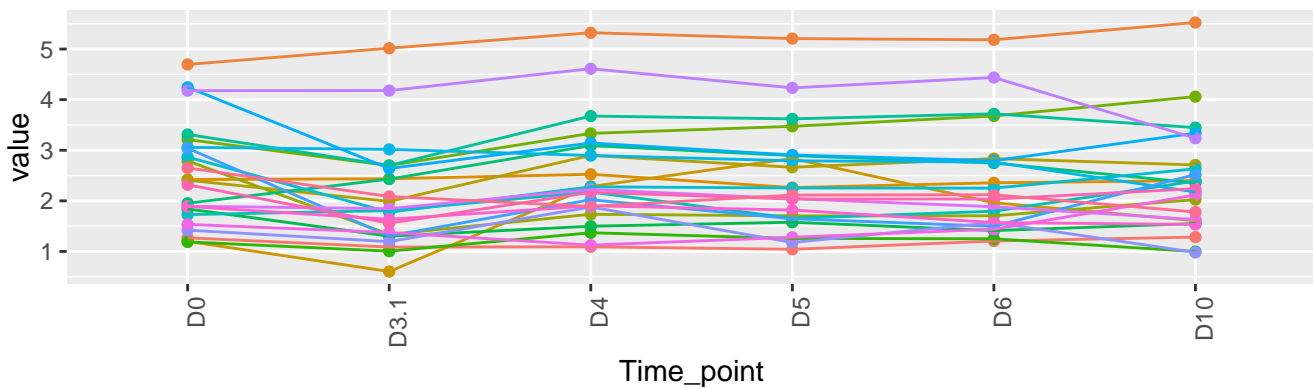
29 genes – KO-cluster-222-original



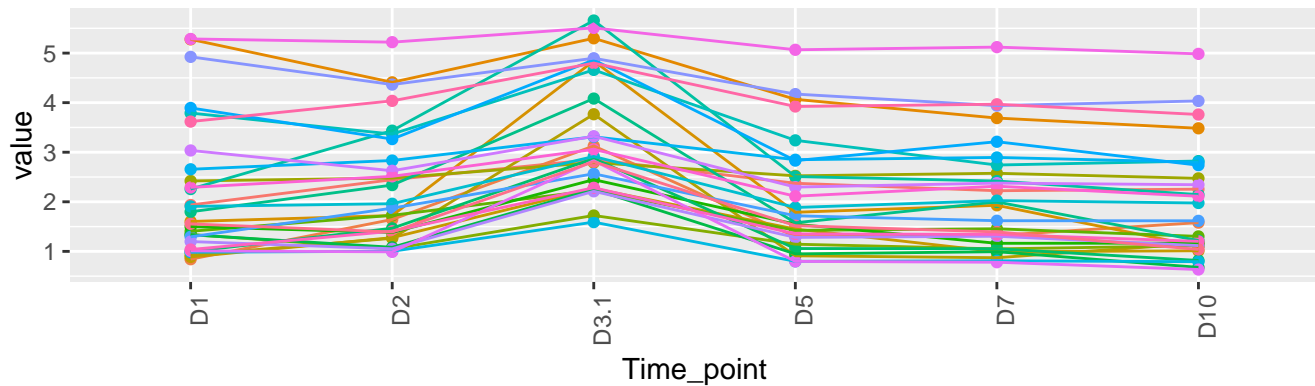
29 genes – WT-cluster-221-original



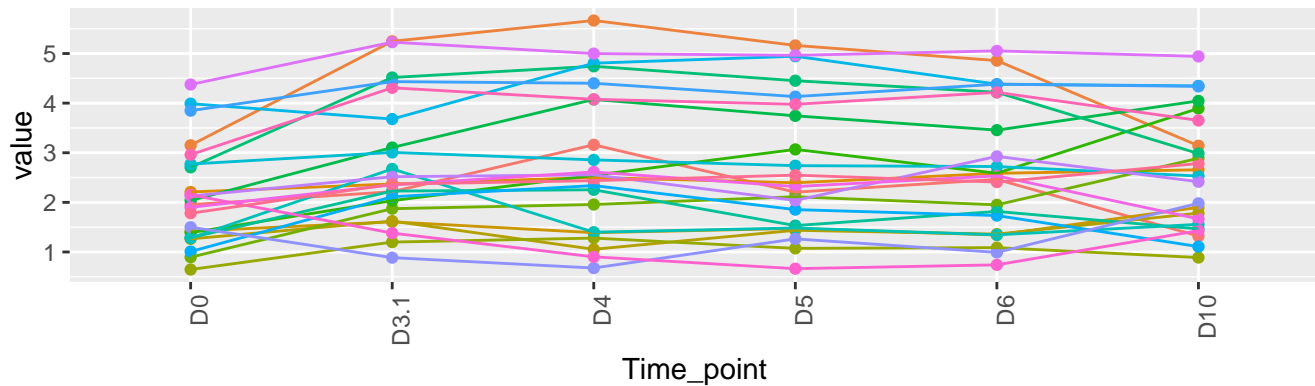
23 genes – KO-cluster-221-original



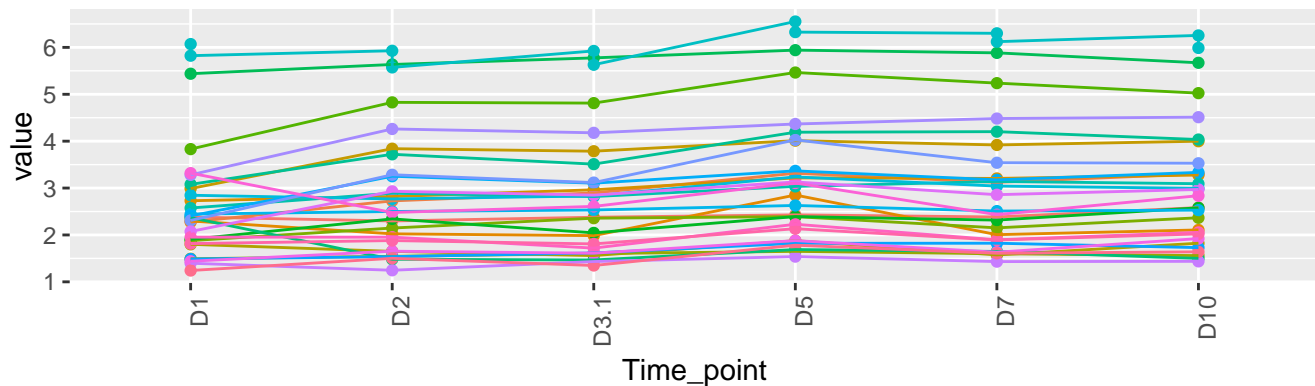
29 genes – WT-cluster-220-original



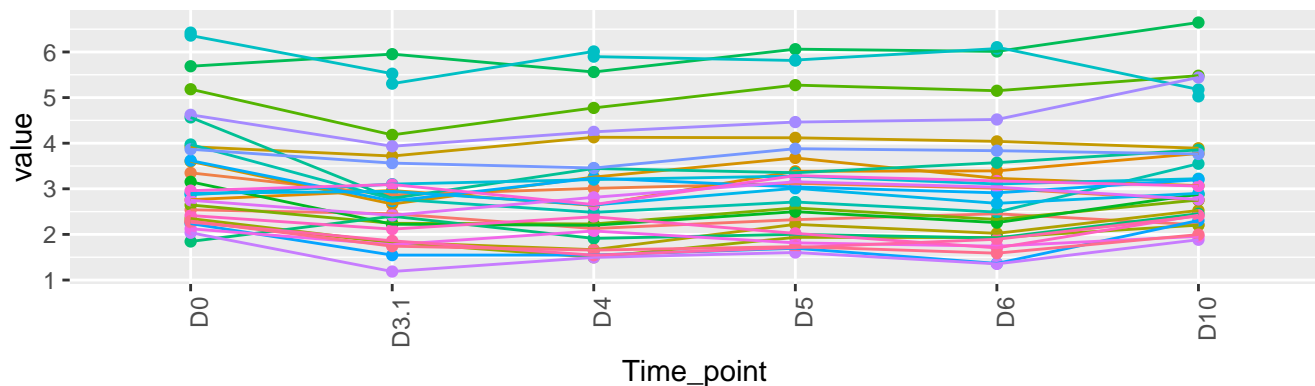
23 genes – KO-cluster-220-original



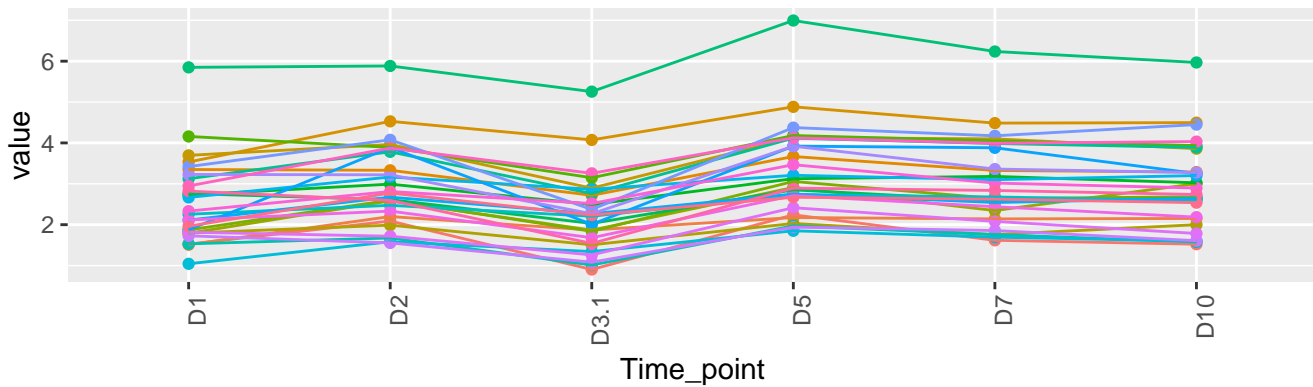
29 genes – WT-cluster-219-original



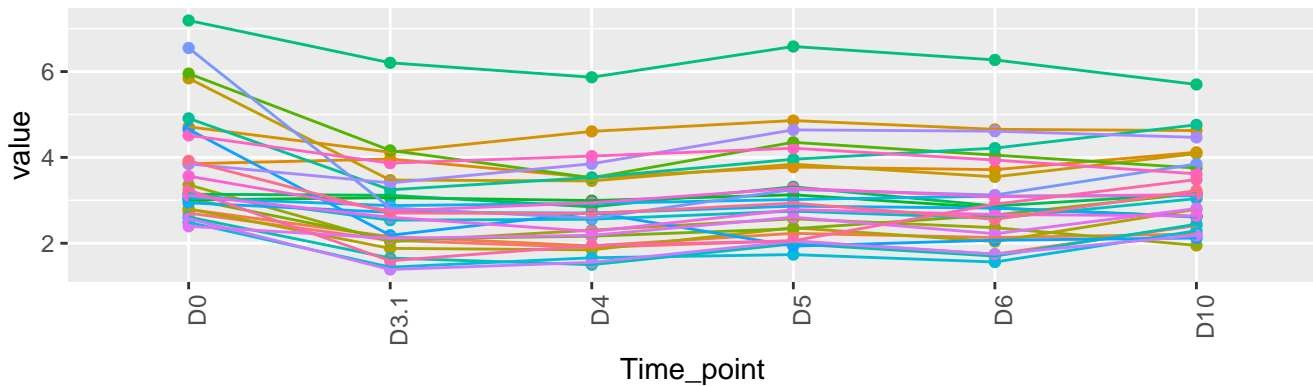
29 genes – KO-cluster-219-original



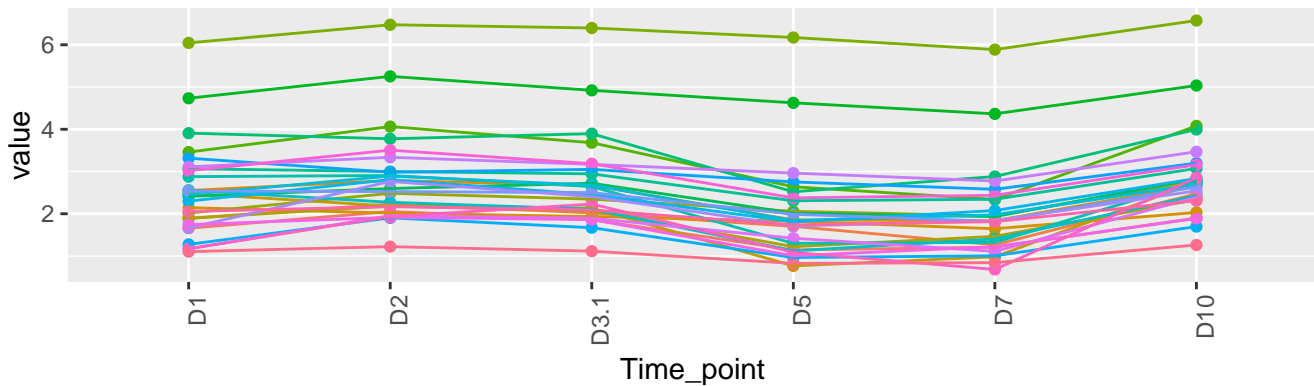
28 genes – WT-cluster-218-original



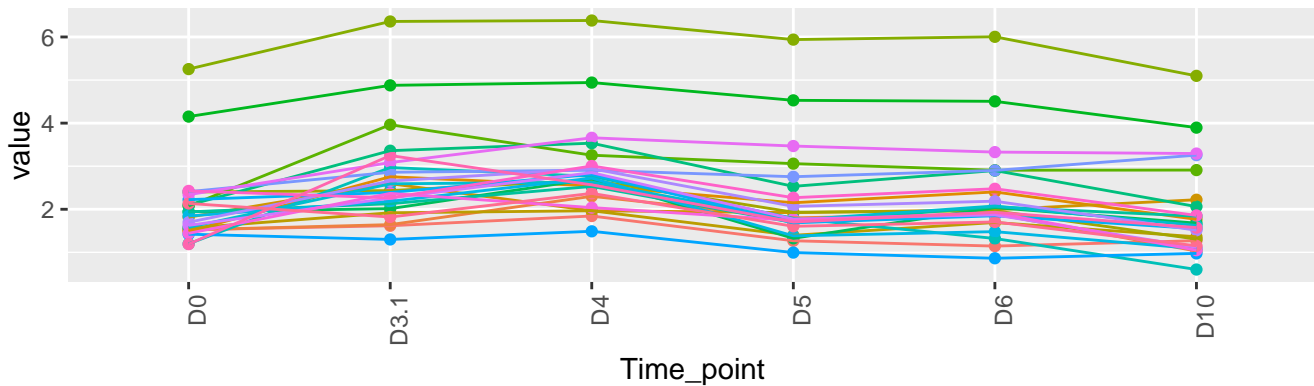
28 genes – KO-cluster-218-original



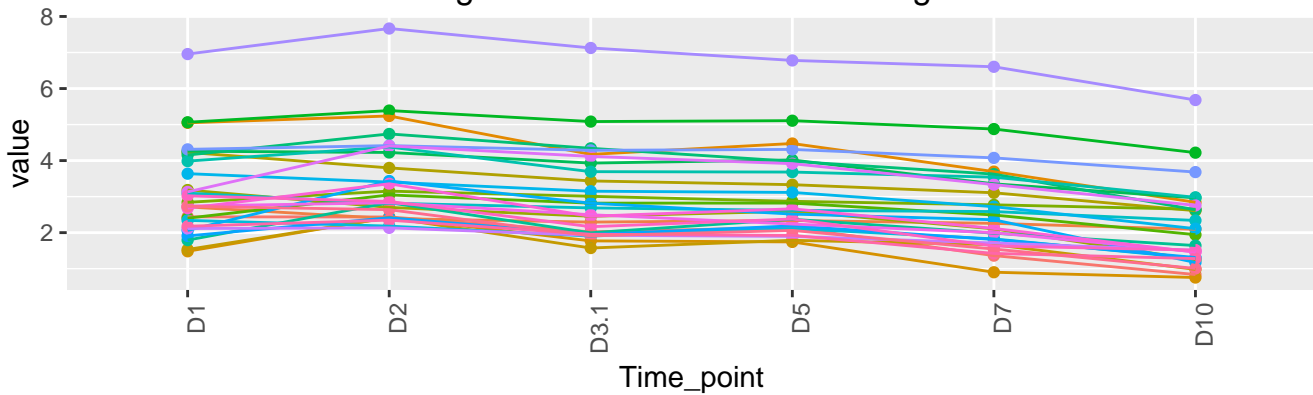
28 genes – WT-cluster-217-original



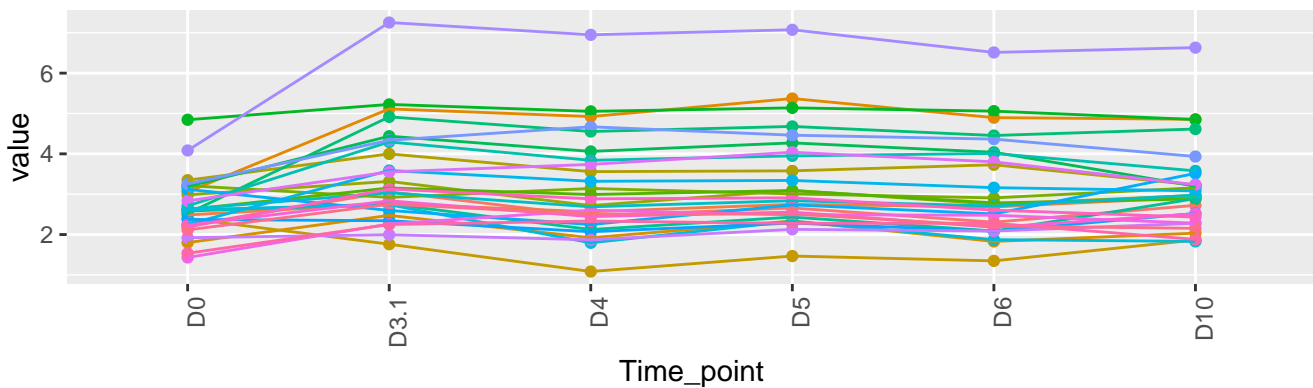
25 genes – KO-cluster-217-original



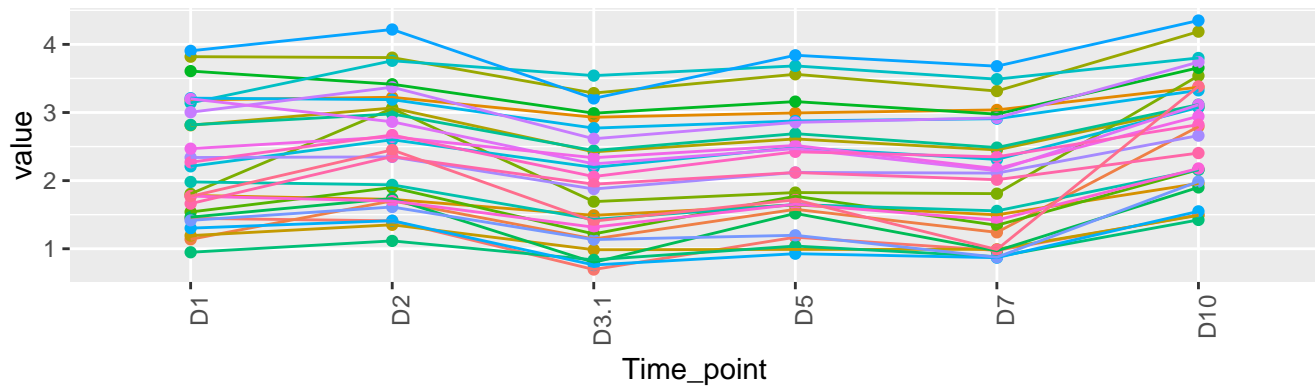
28 genes – WT-cluster-216-original



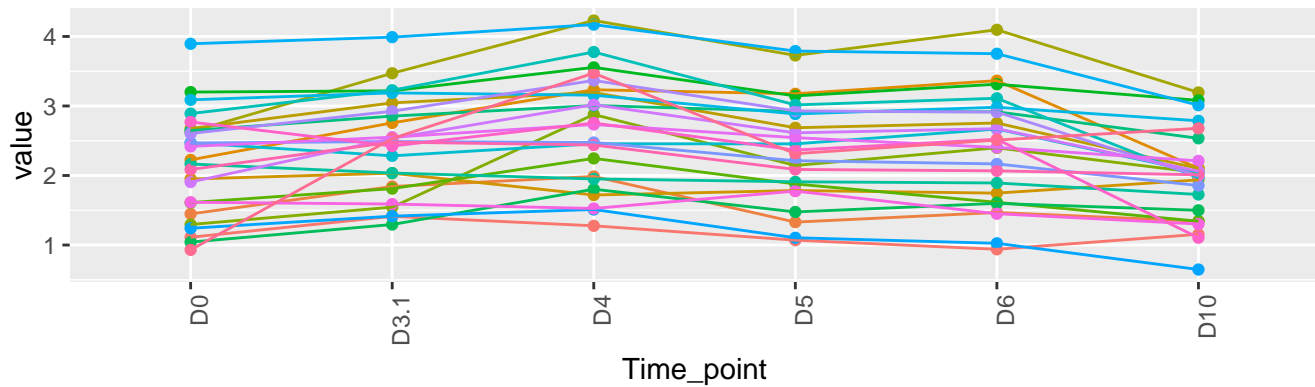
28 genes – KO-cluster-216-original



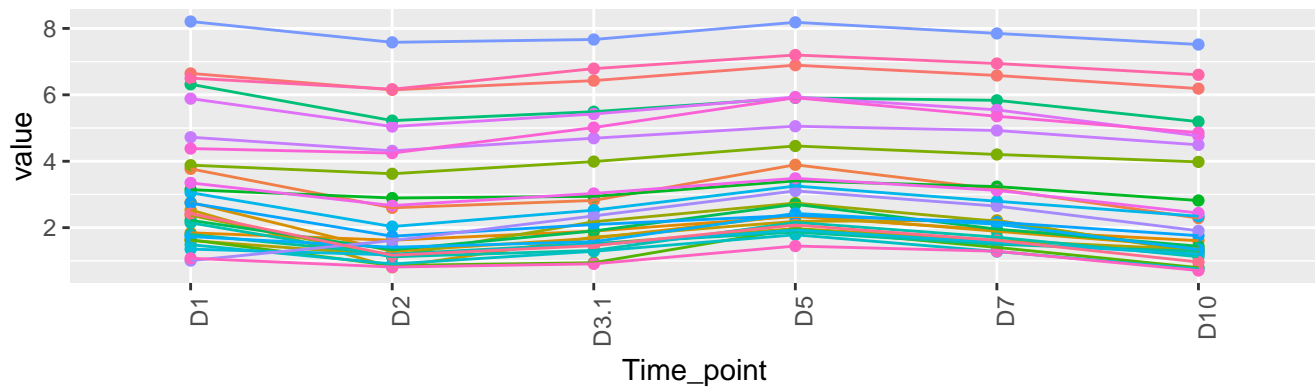
28 genes – WT-cluster-215-original



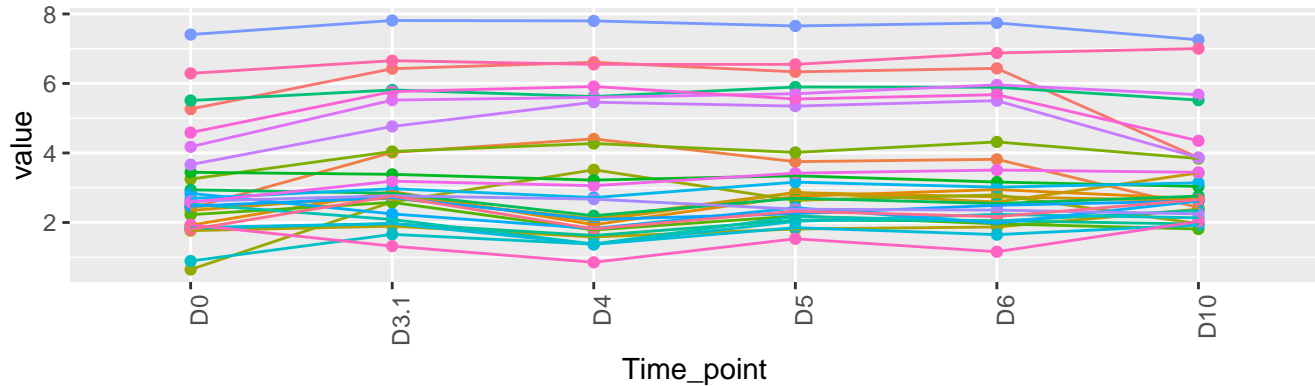
25 genes – KO-cluster-215-original



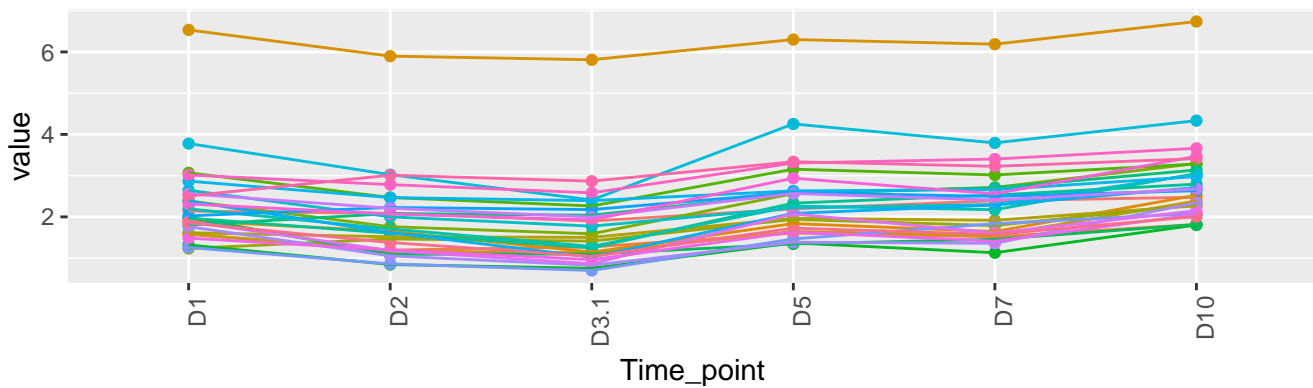
28 genes – WT-cluster-214-original



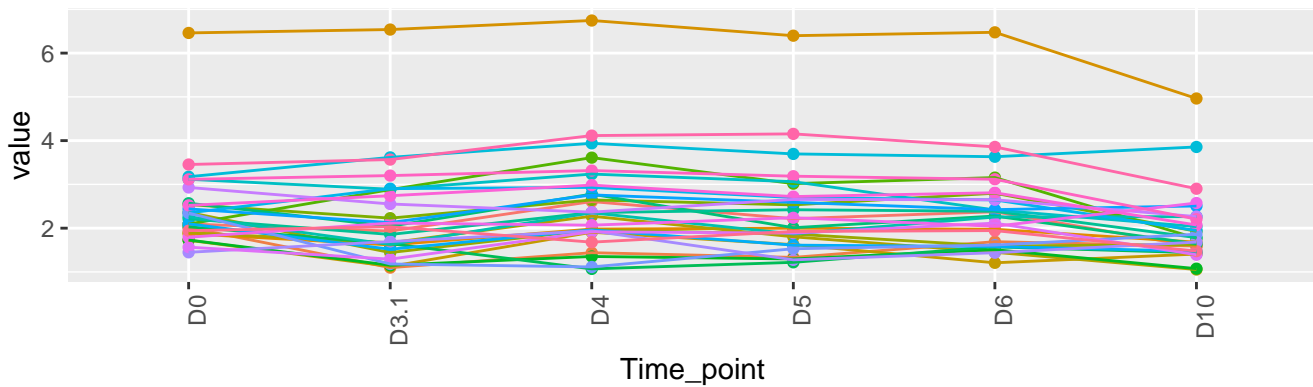
28 genes – KO-cluster-214-original



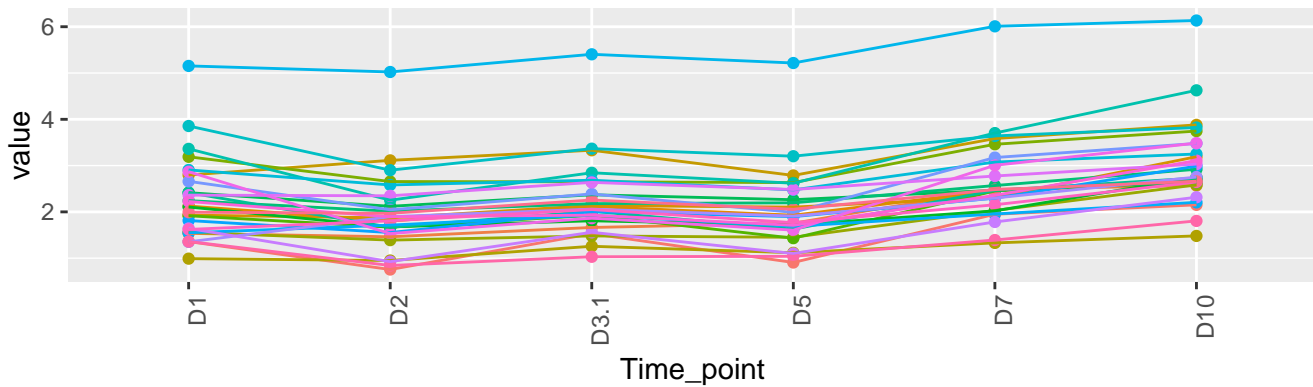
28 genes – WT-cluster-213-original



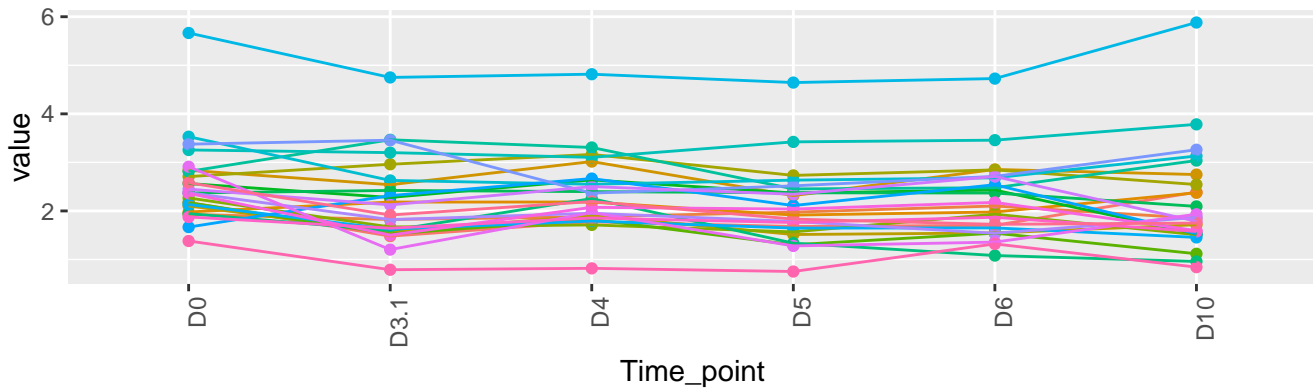
28 genes – KO-cluster-213-original



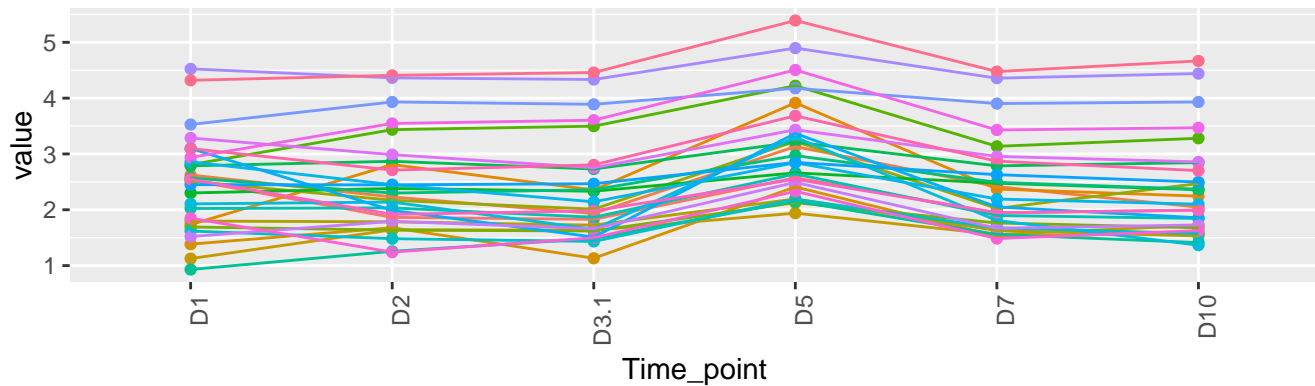
28 genes – WT-cluster-212-original



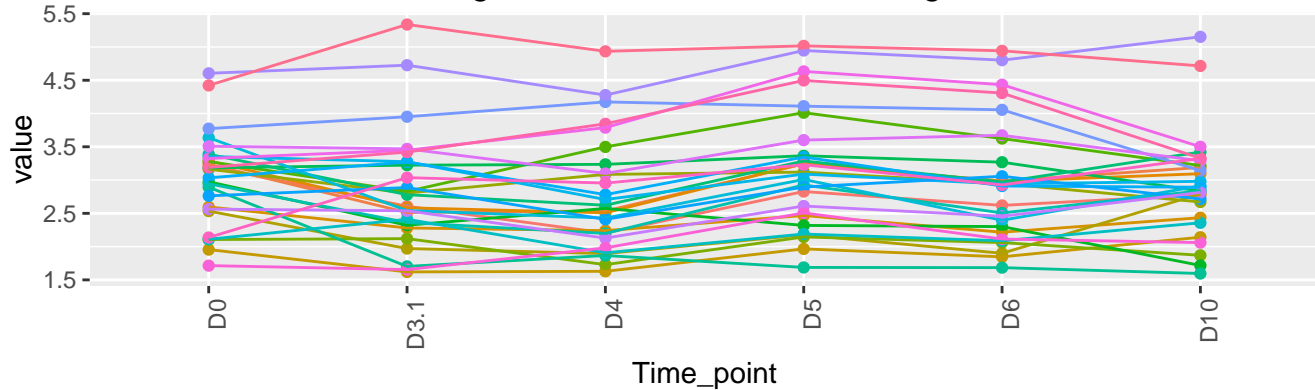
25 genes – KO-cluster-212-original



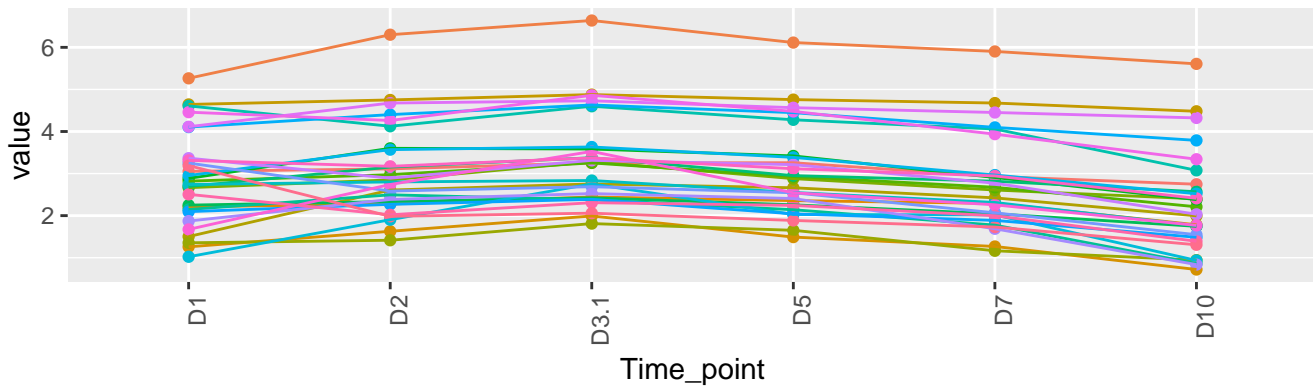
28 genes – WT-cluster-211-original



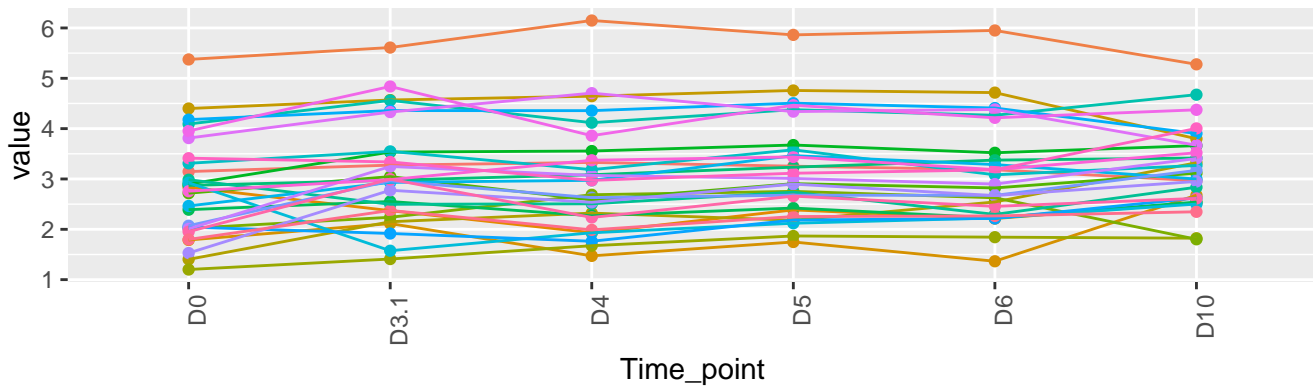
28 genes – KO-cluster-211-original



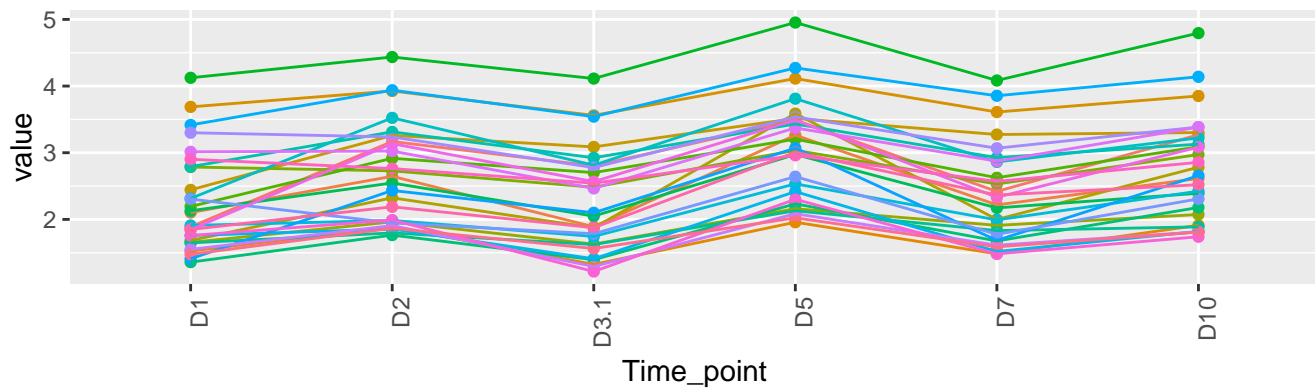
28 genes – WT-cluster-210-original



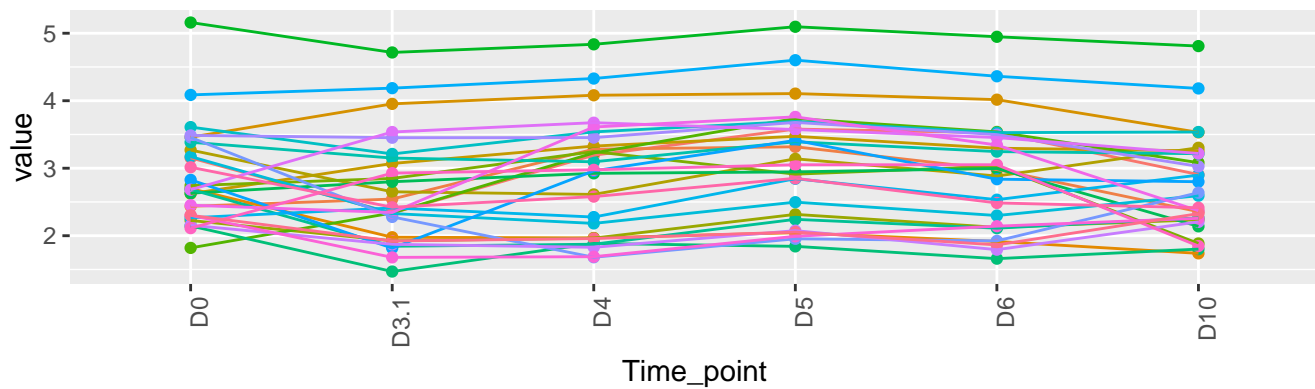
28 genes – KO-cluster-210-original



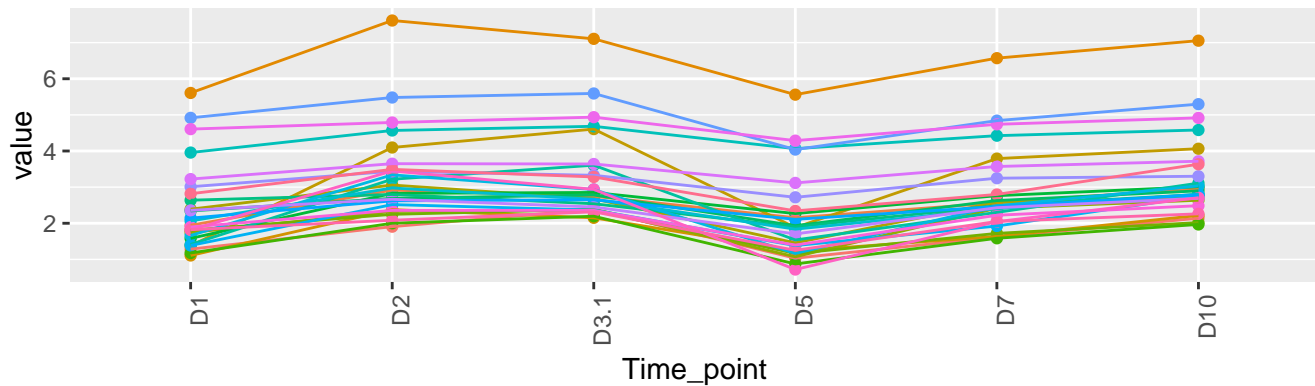
28 genes – WT-cluster-209-original



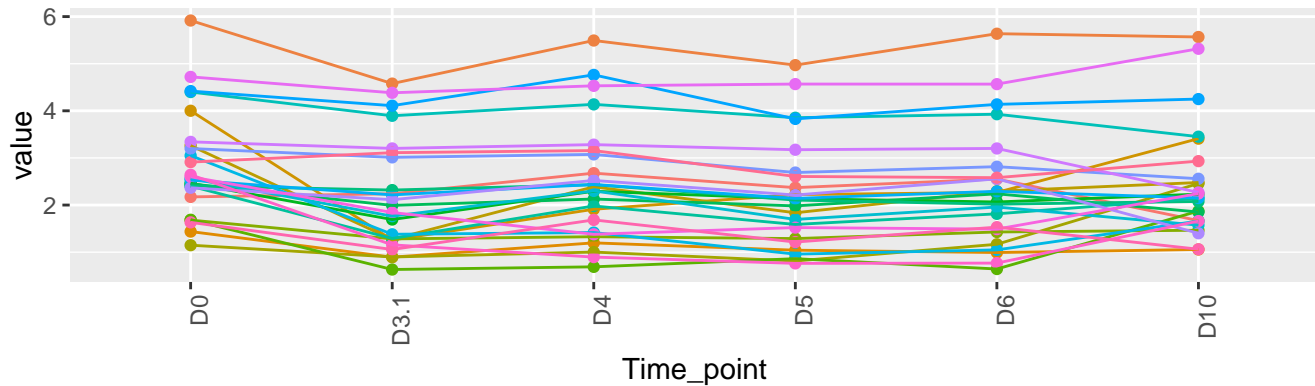
28 genes – KO-cluster-209-original



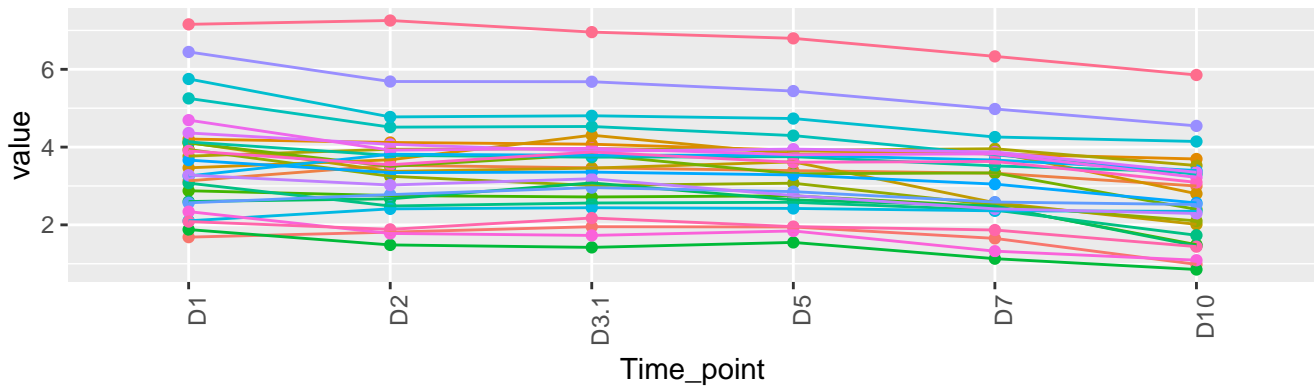
27 genes – WT-cluster-208-original



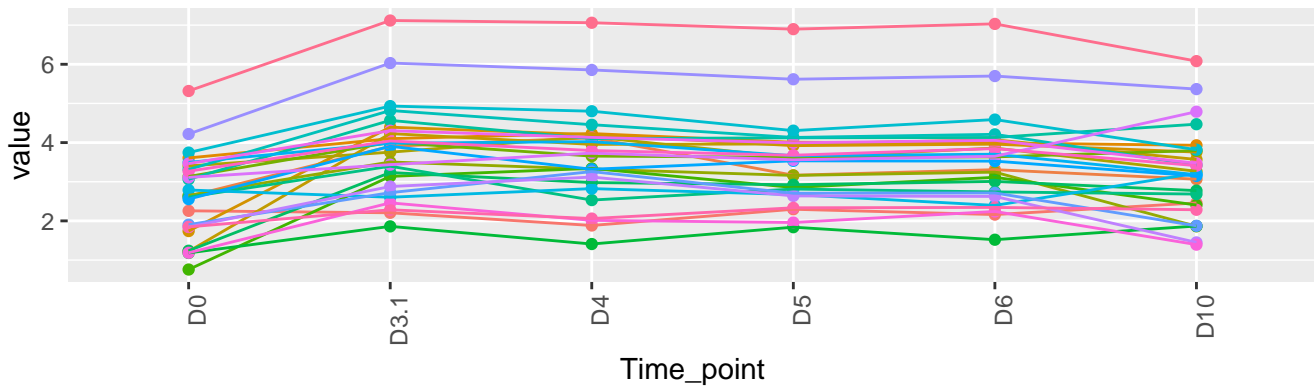
25 genes – KO-cluster-208-original



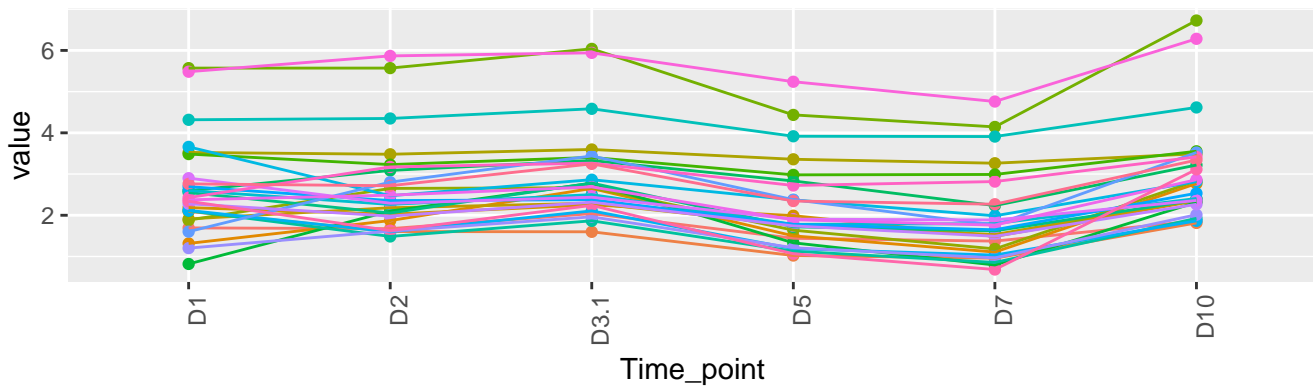
27 genes – WT-cluster-207-original



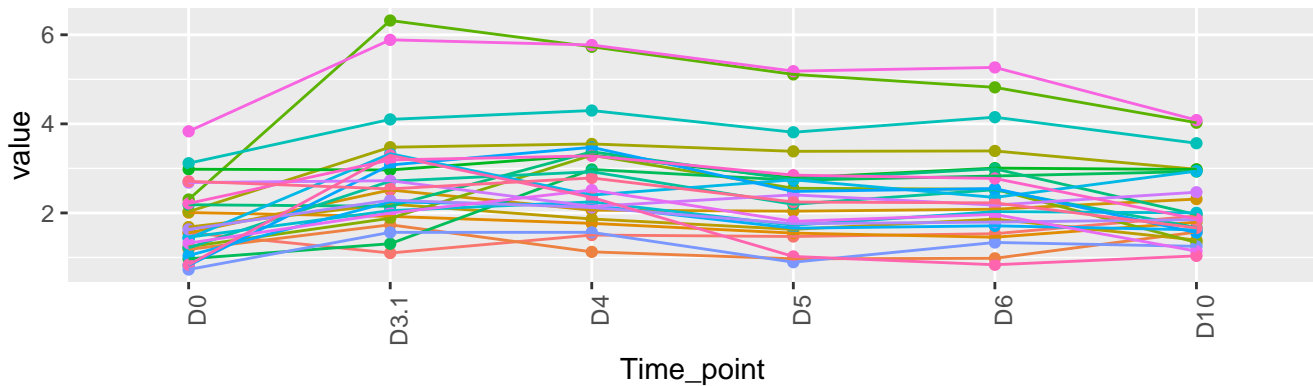
27 genes – KO-cluster-207-original



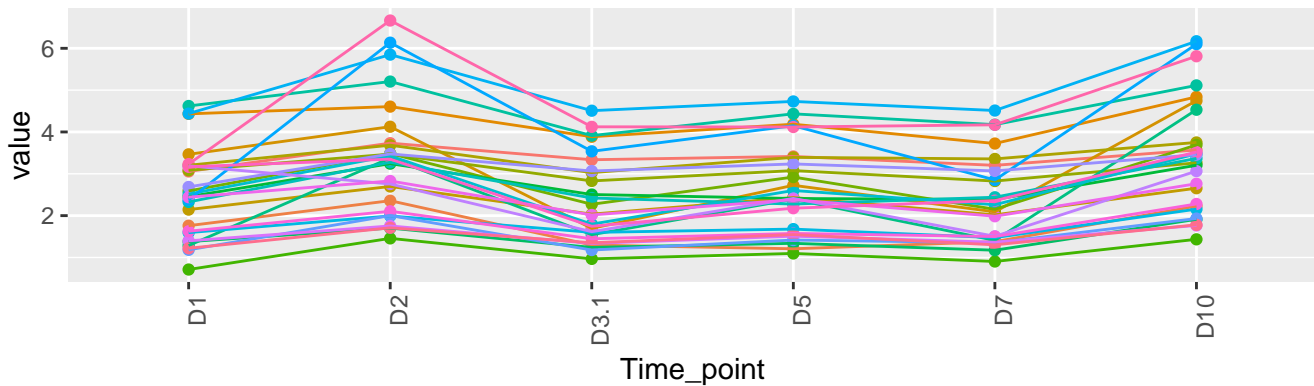
27 genes – WT-cluster-206-original



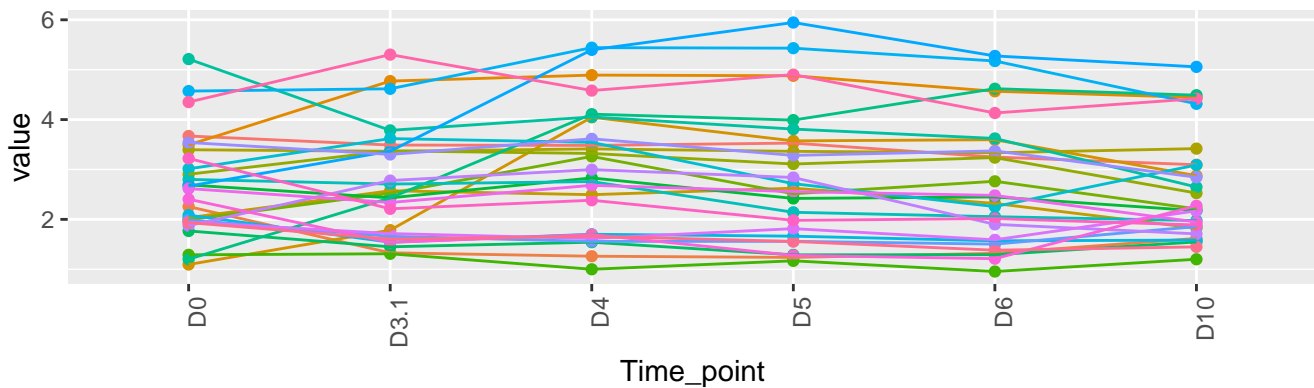
25 genes – KO-cluster-206-original



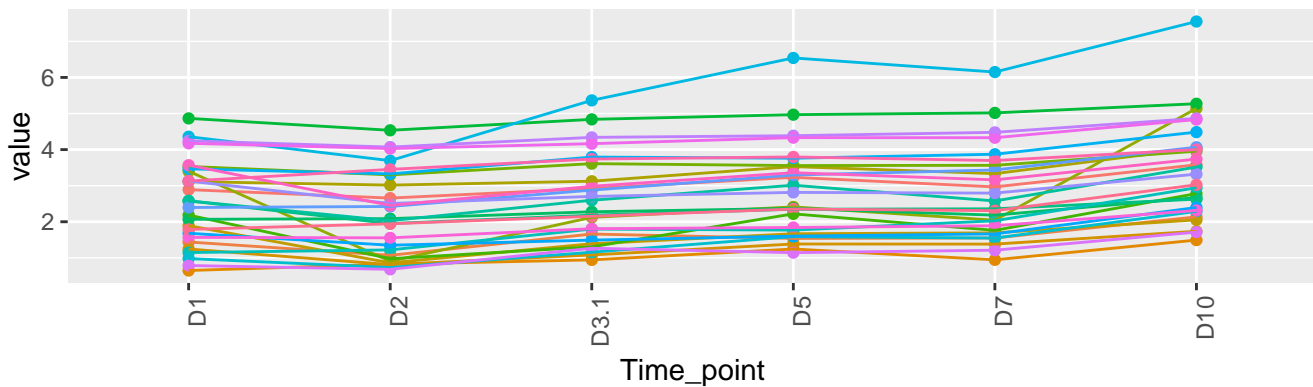
27 genes – WT-cluster-205-original



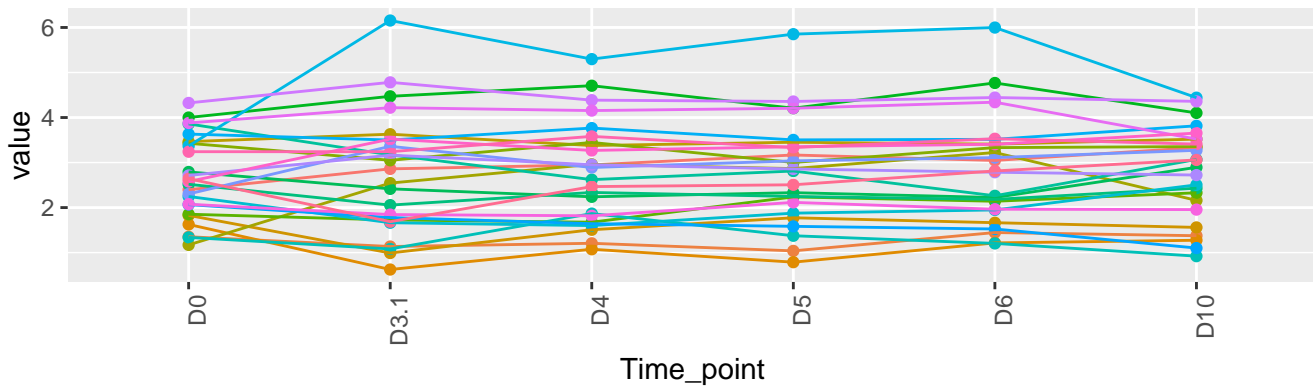
27 genes – KO-cluster-205-original



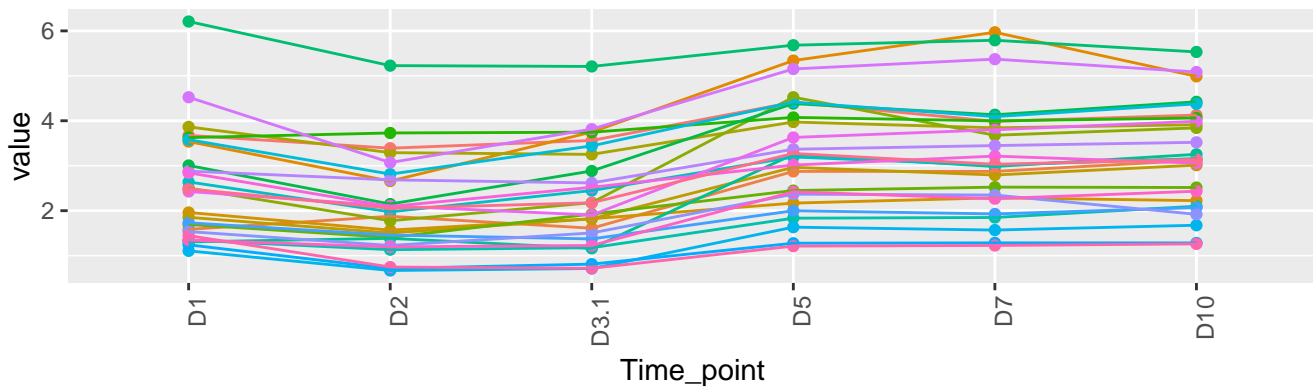
27 genes – WT-cluster-204-original



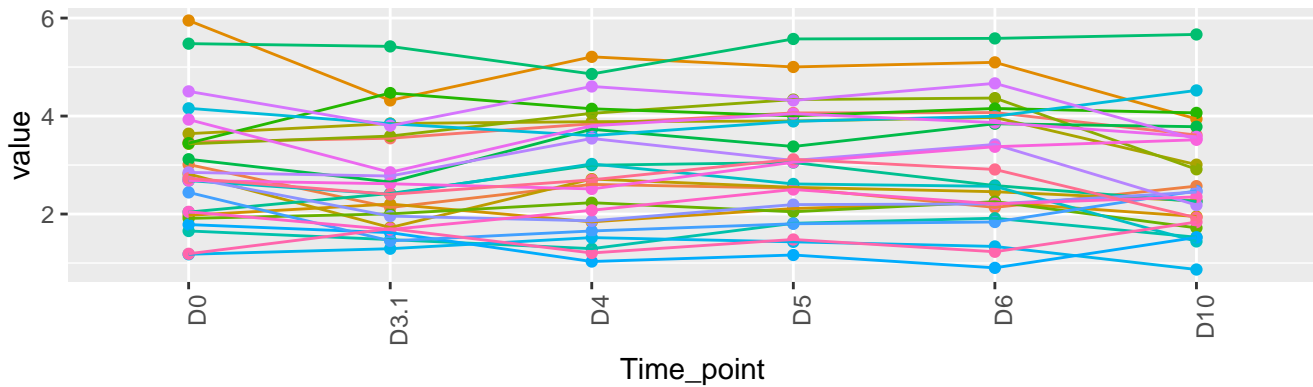
25 genes – KO-cluster-204-original



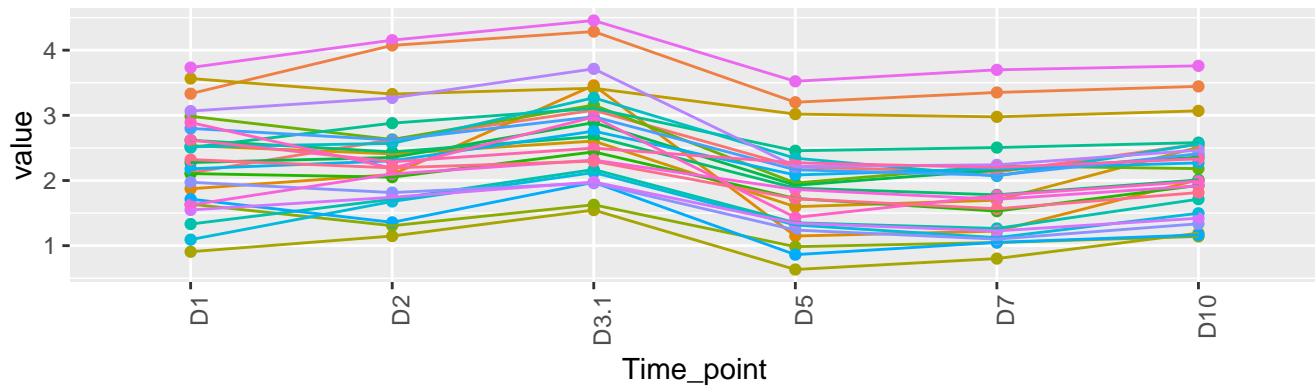
26 genes – WT-cluster-203-original



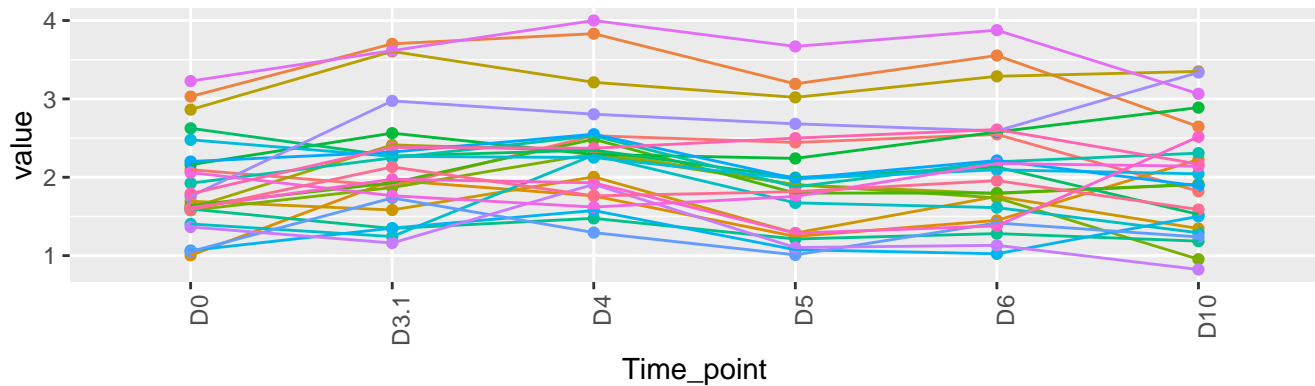
26 genes – KO-cluster-203-original



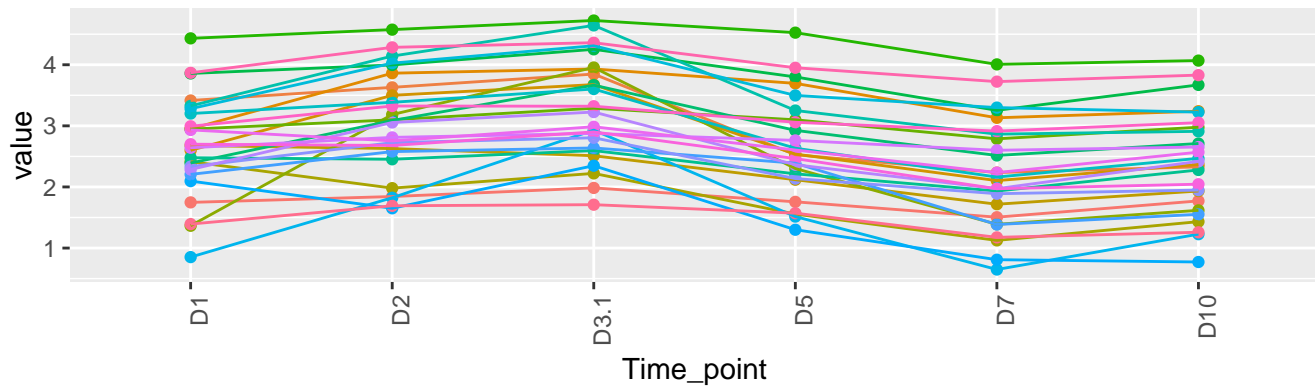
26 genes – WT-cluster-202-original



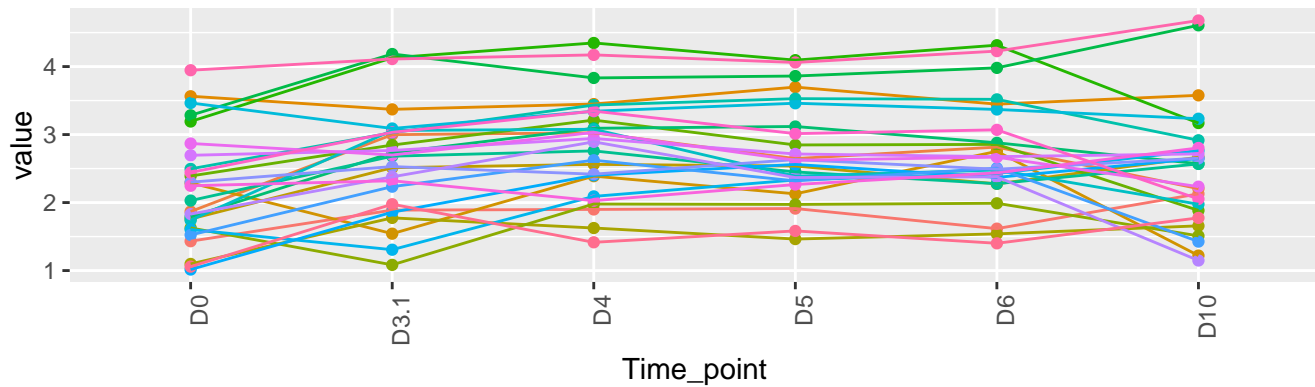
24 genes – KO-cluster-202-original



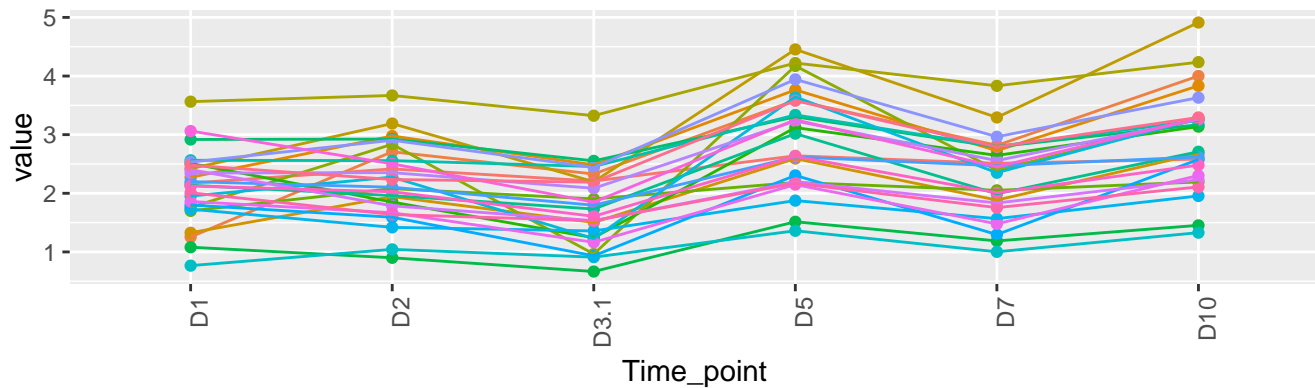
26 genes – WT-cluster-201-original



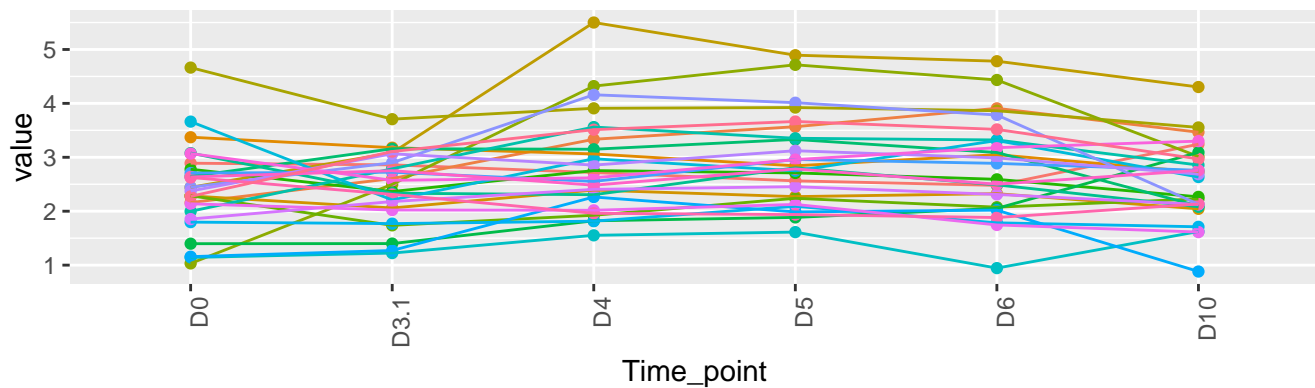
26 genes – KO-cluster-201-original



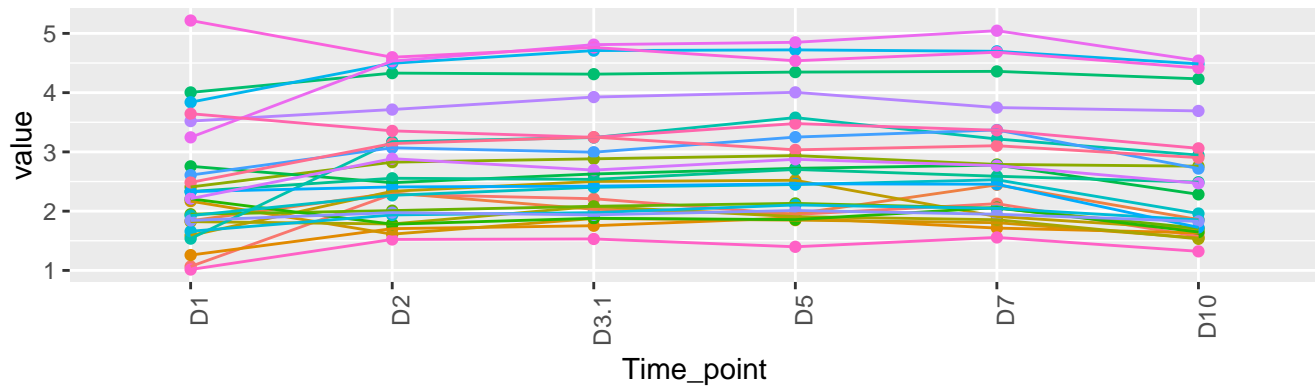
26 genes – WT-cluster-200-original



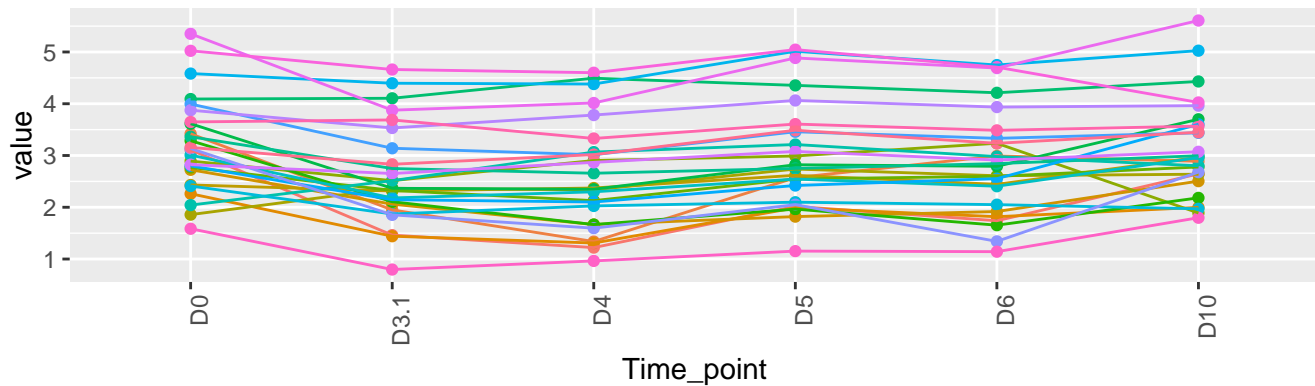
26 genes – KO-cluster-200-original



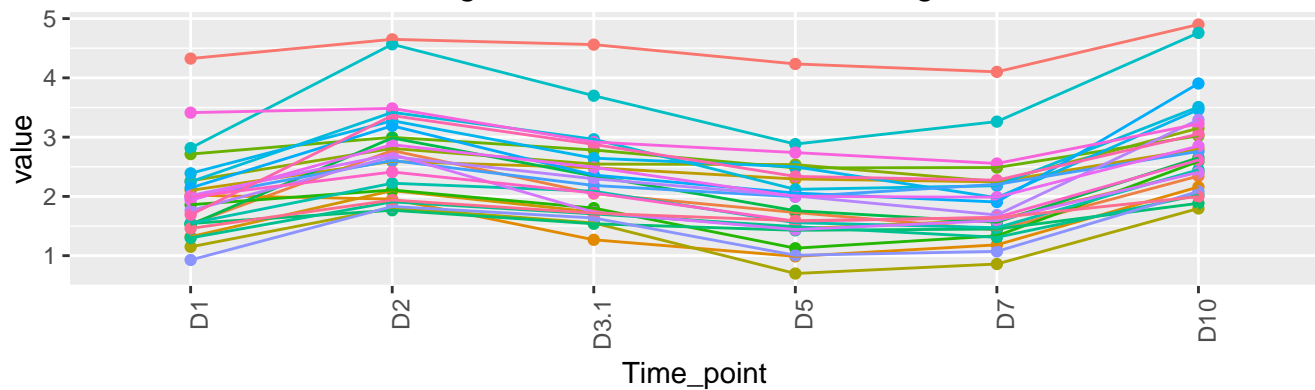
26 genes – WT-cluster-199-original



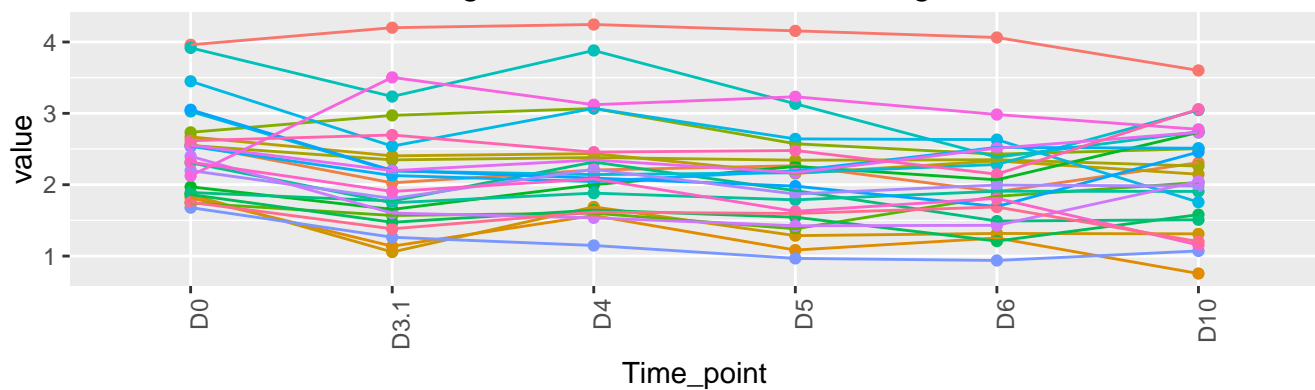
26 genes – KO-cluster-199-original



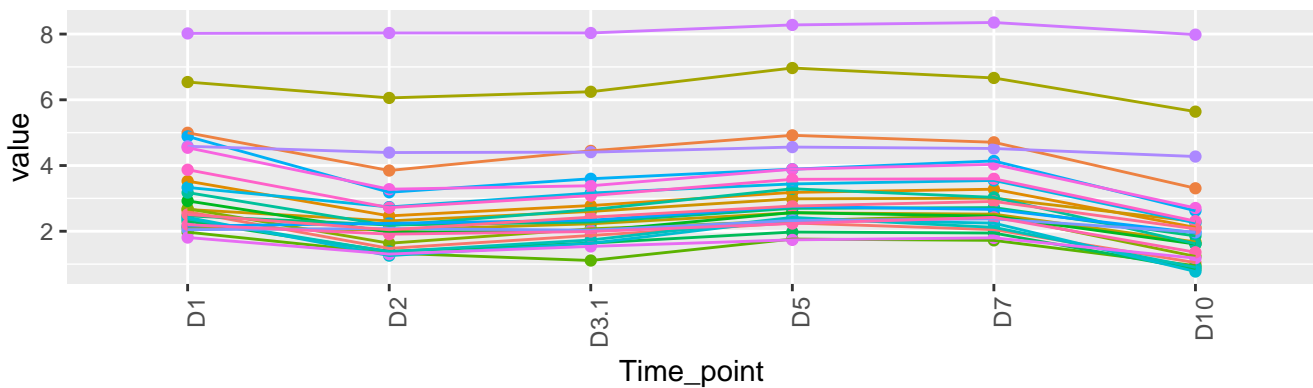
26 genes – WT-cluster-198-original



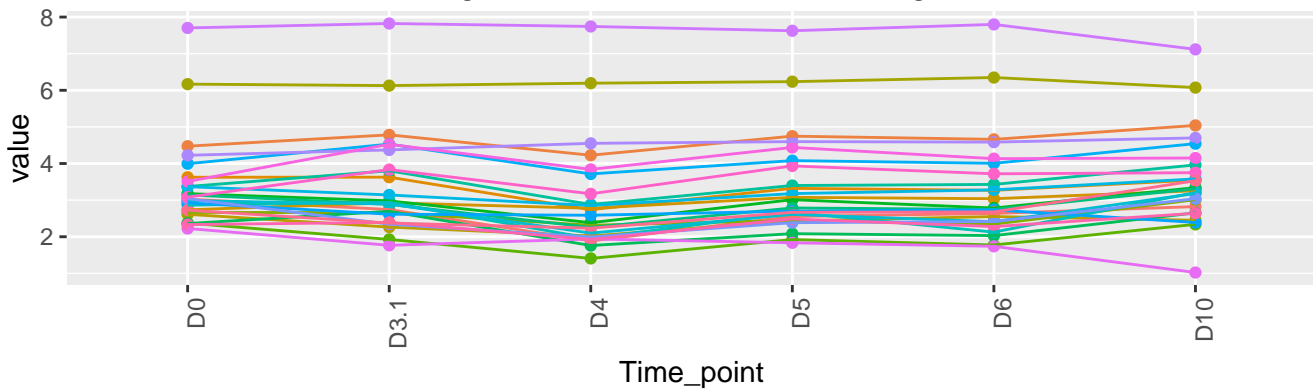
25 genes – KO-cluster-198-original



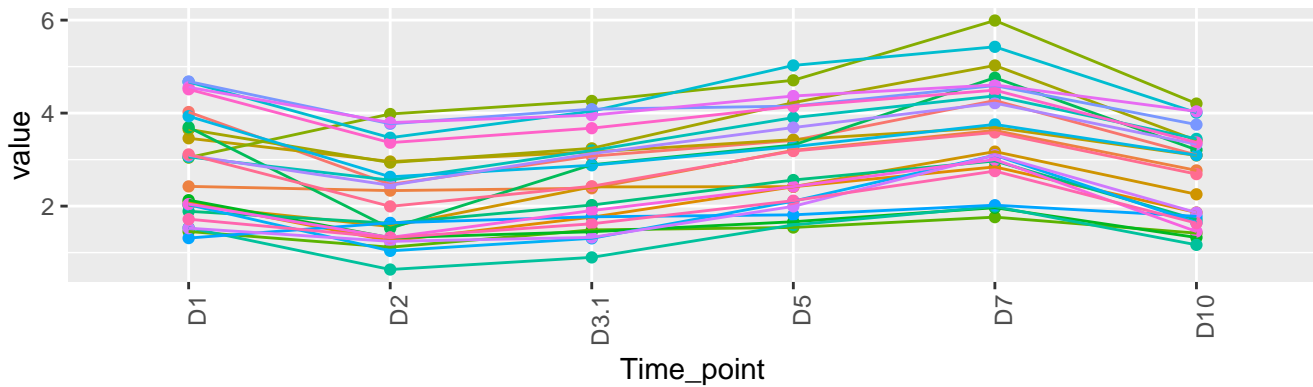
25 genes – WT-cluster-197-original



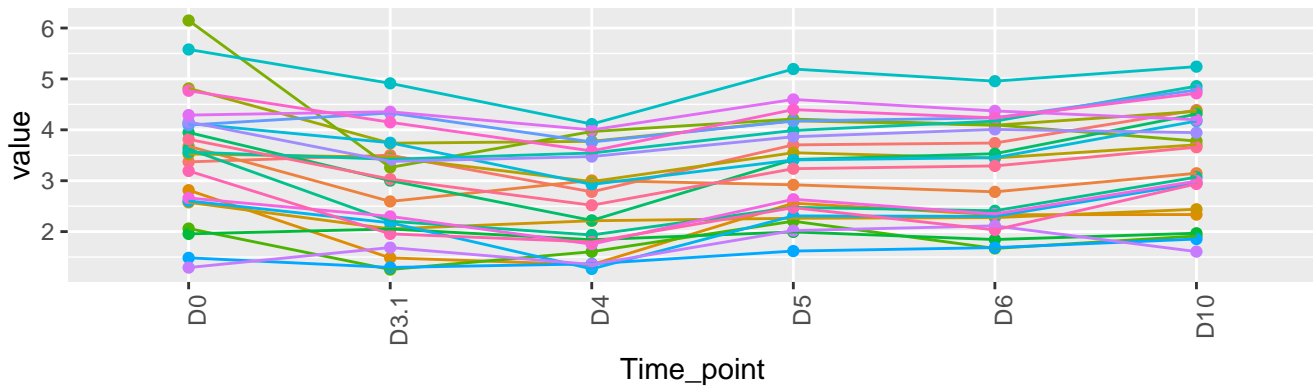
25 genes – KO-cluster-197-original



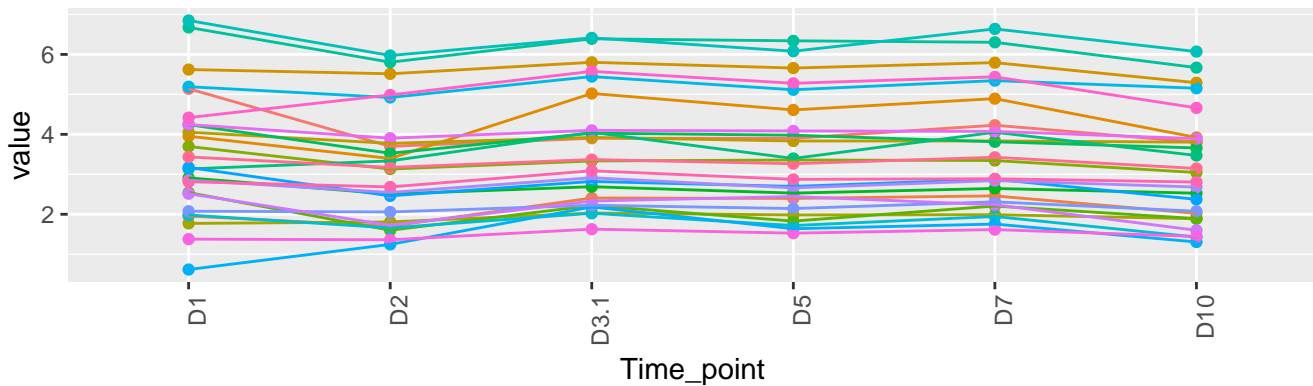
25 genes – WT-cluster-196-original



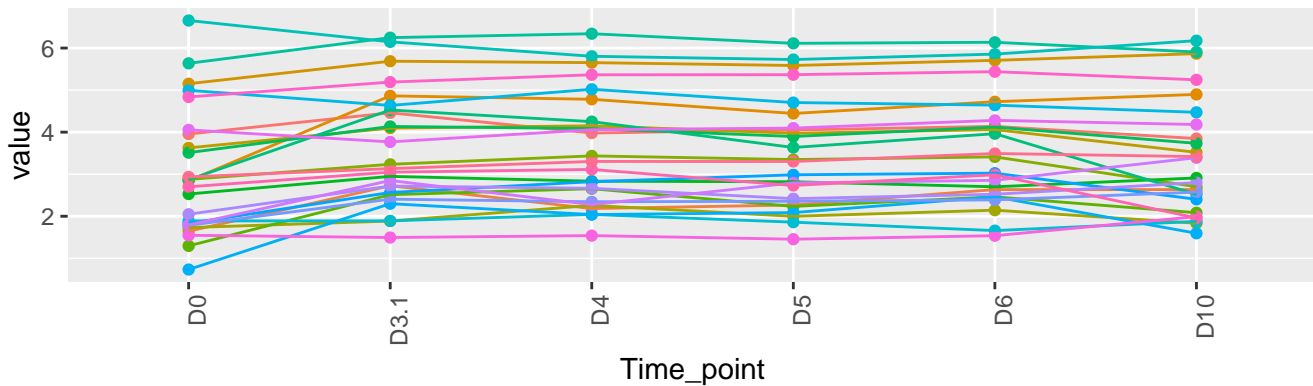
24 genes – KO-cluster-196-original



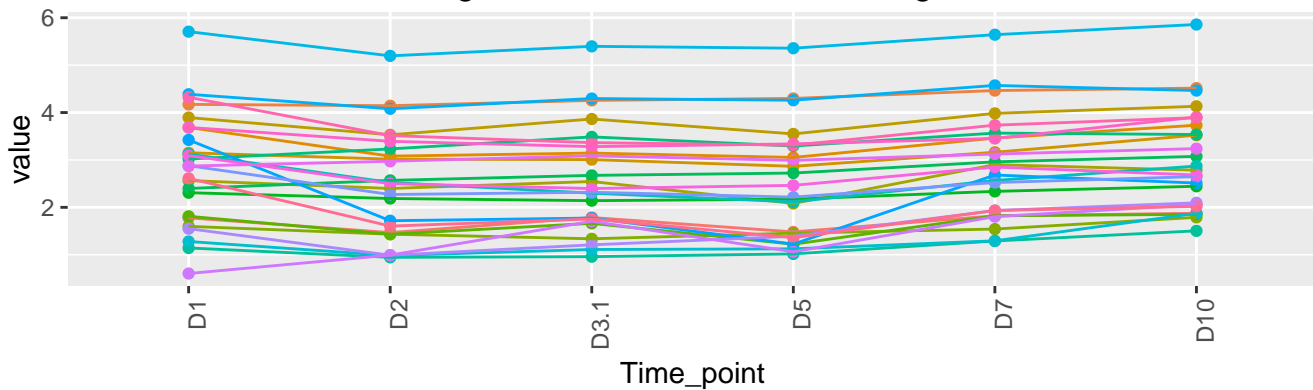
25 genes – WT-cluster-195-original



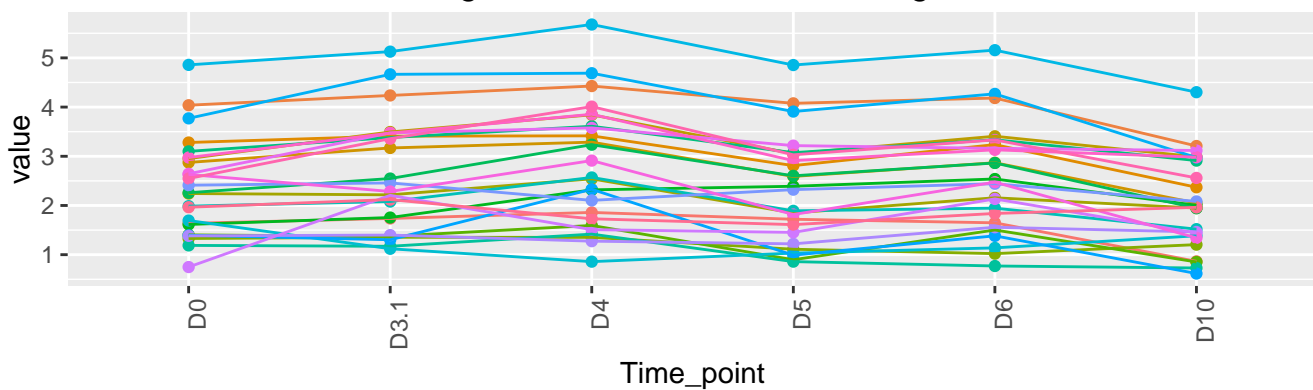
25 genes – KO-cluster-195-original



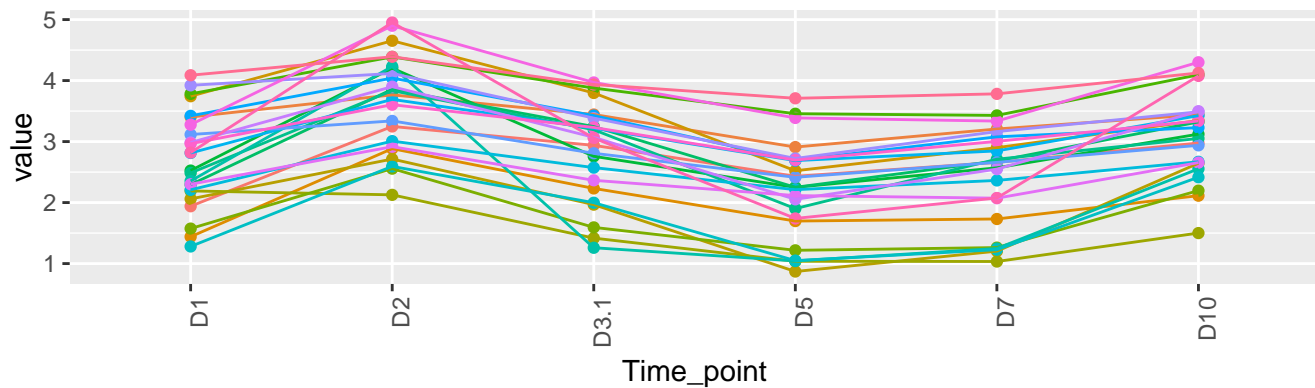
25 genes – WT-cluster-194-original



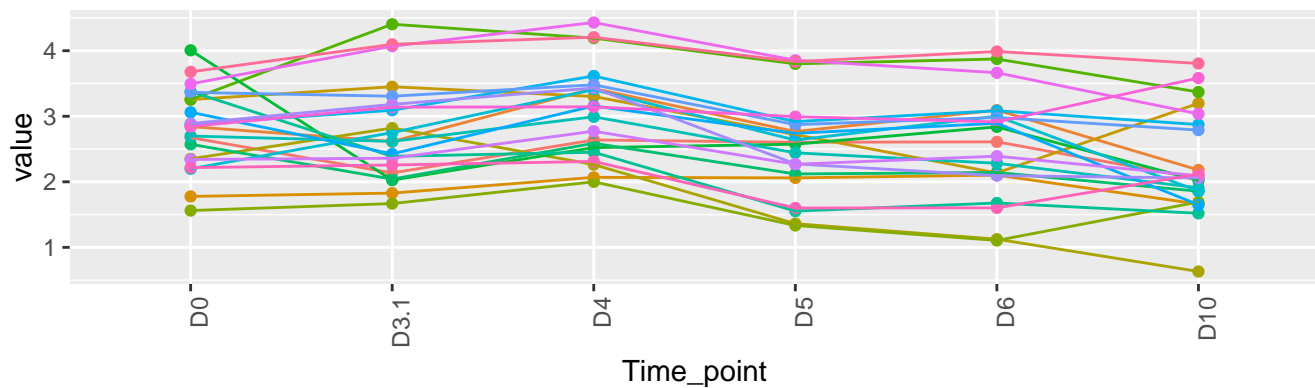
25 genes – KO-cluster-194-original



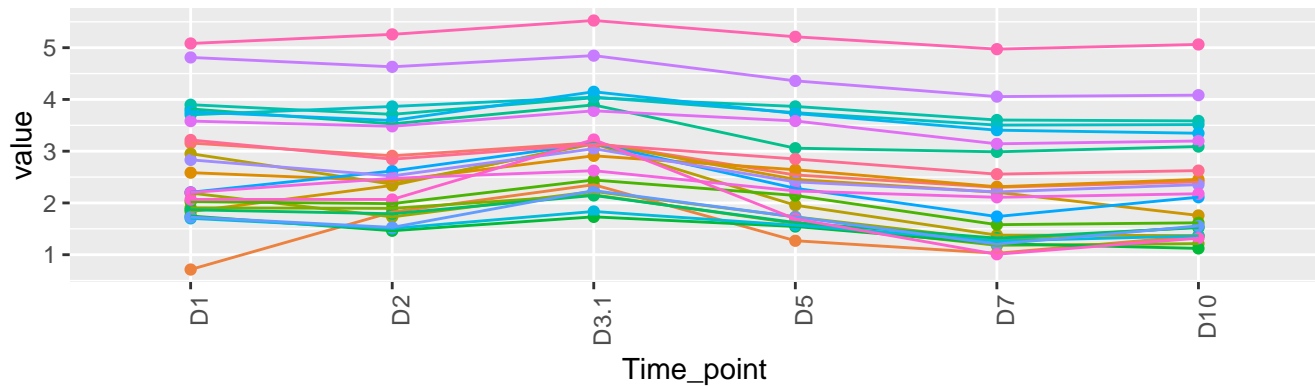
24 genes – WT-cluster-193-original



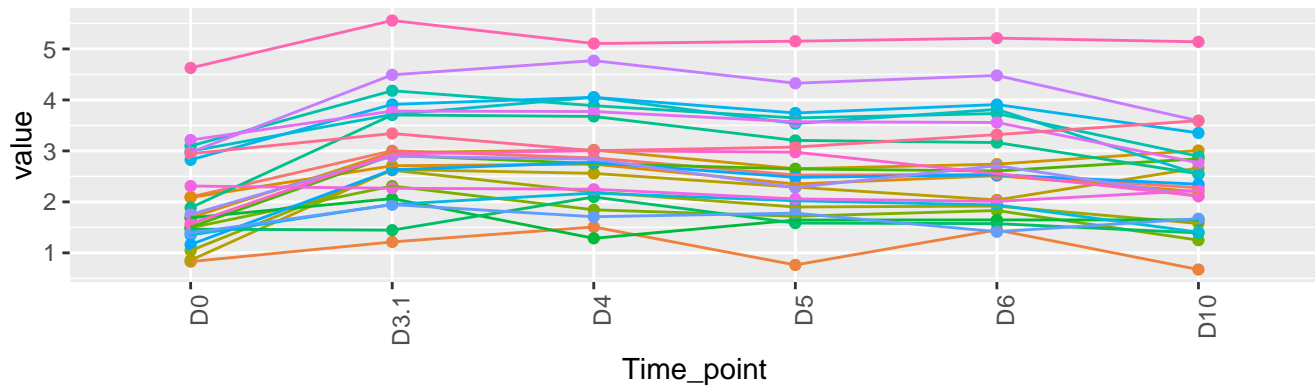
21 genes – KO-cluster-193-original



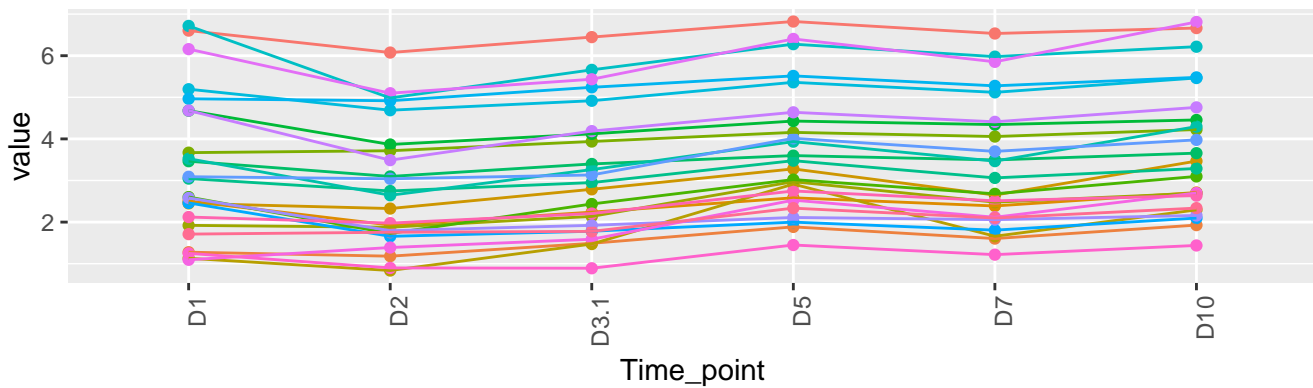
24 genes – WT-cluster-192-original



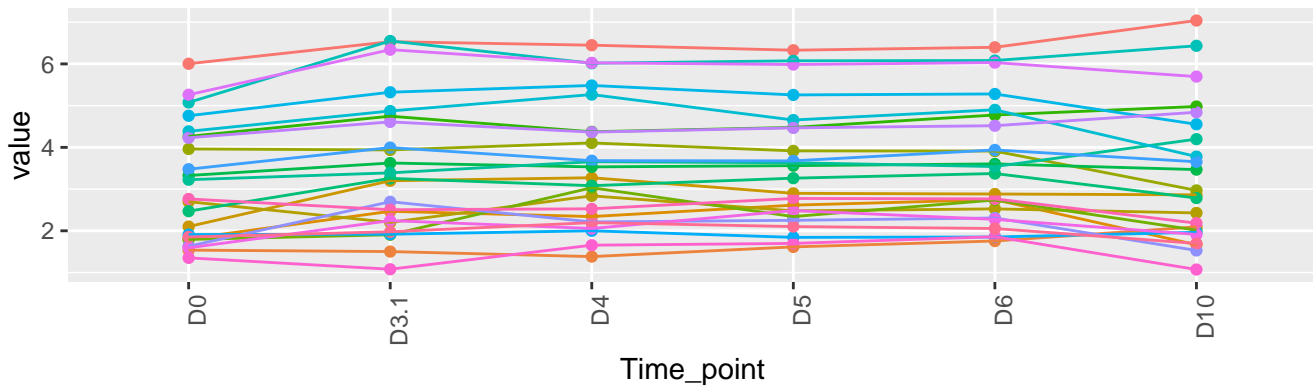
24 genes – KO-cluster-192-original



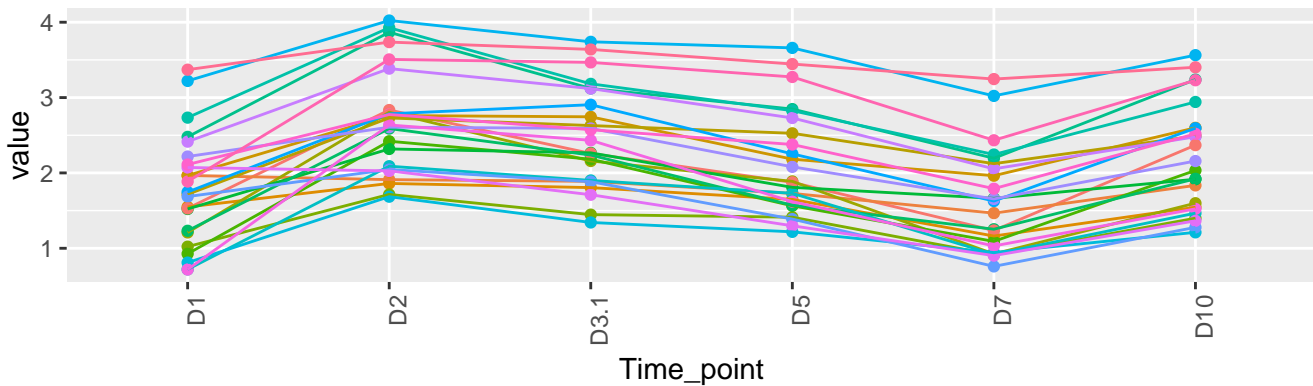
24 genes – WT-cluster-191-original



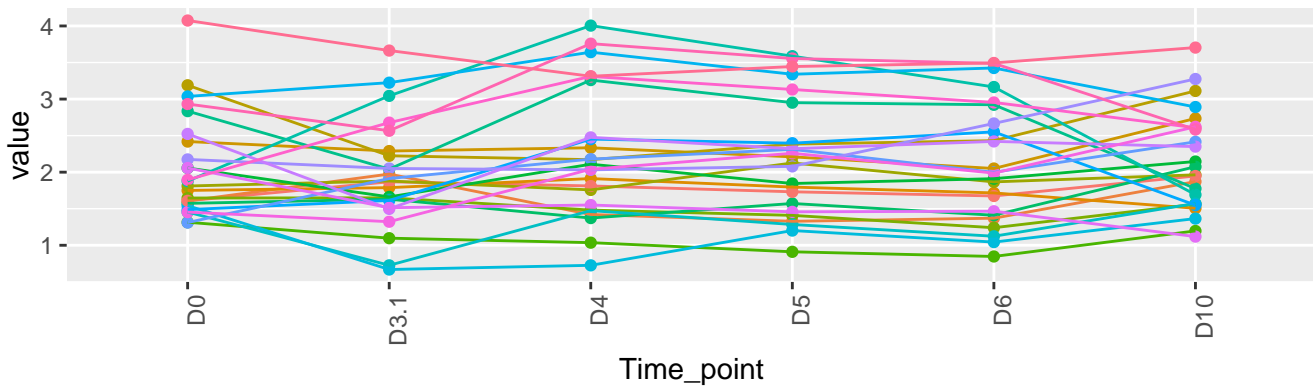
23 genes – KO-cluster-191-original



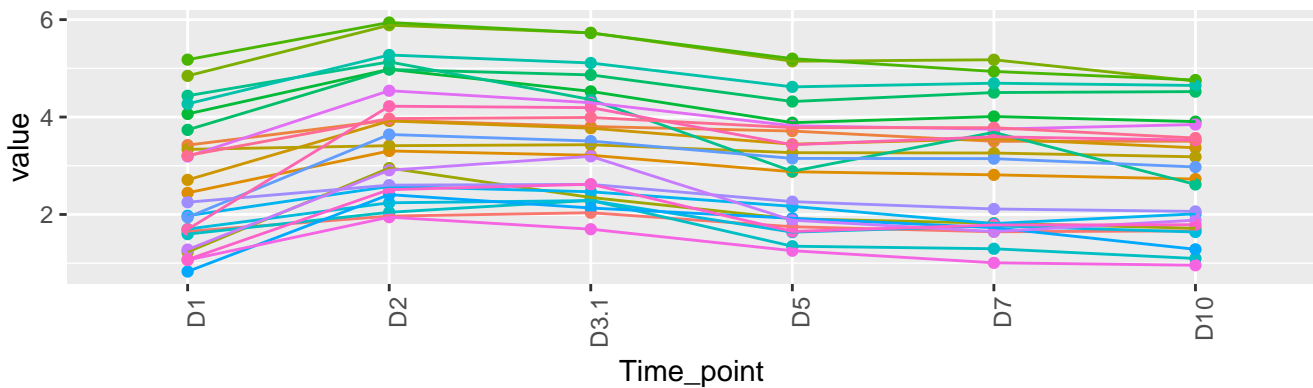
24 genes – WT-cluster-190-original



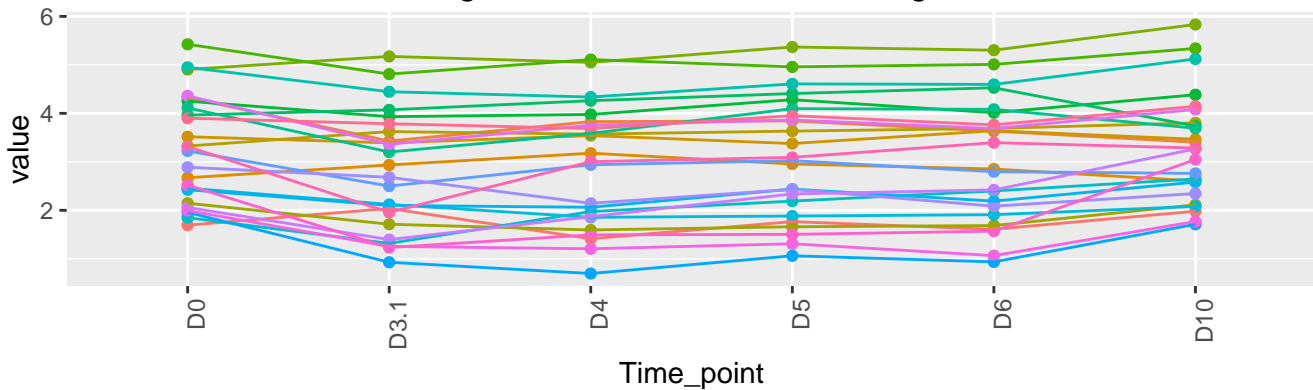
24 genes – KO-cluster-190-original



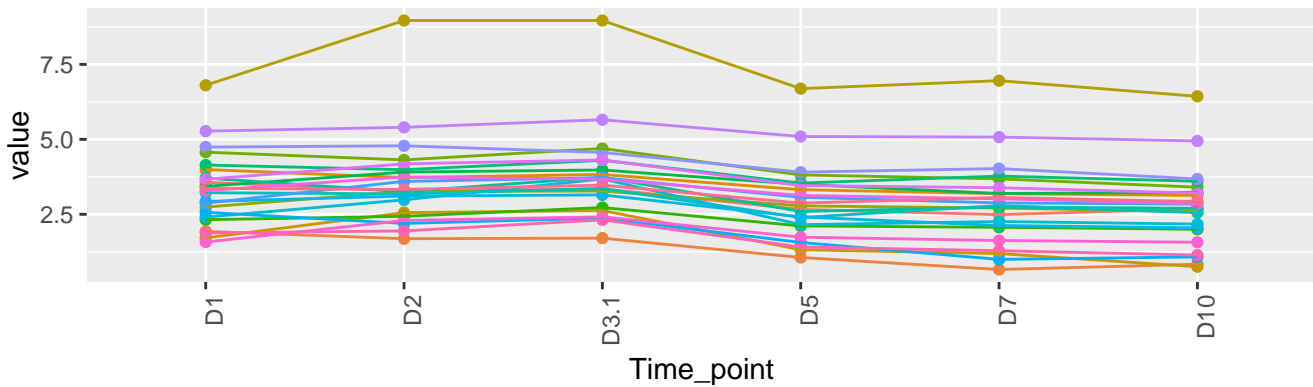
24 genes – WT-cluster-189-original



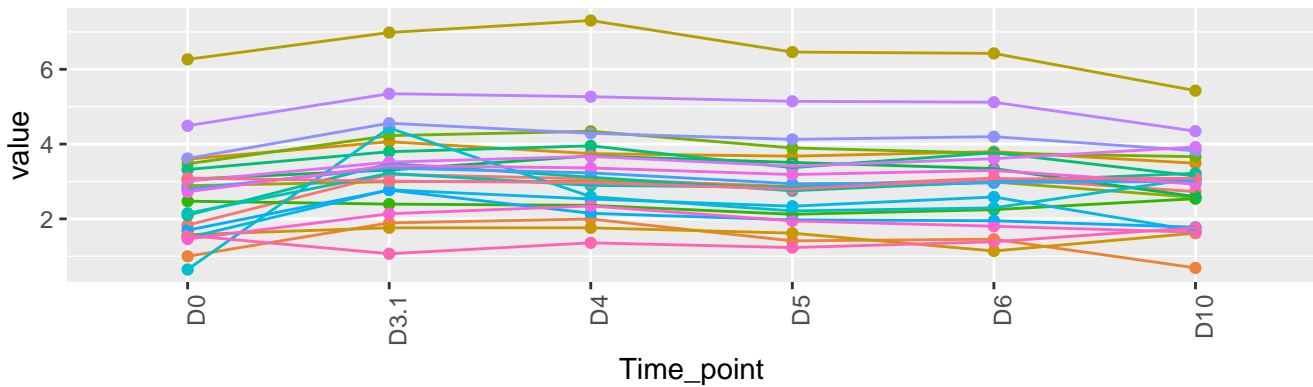
24 genes – KO-cluster-189-original



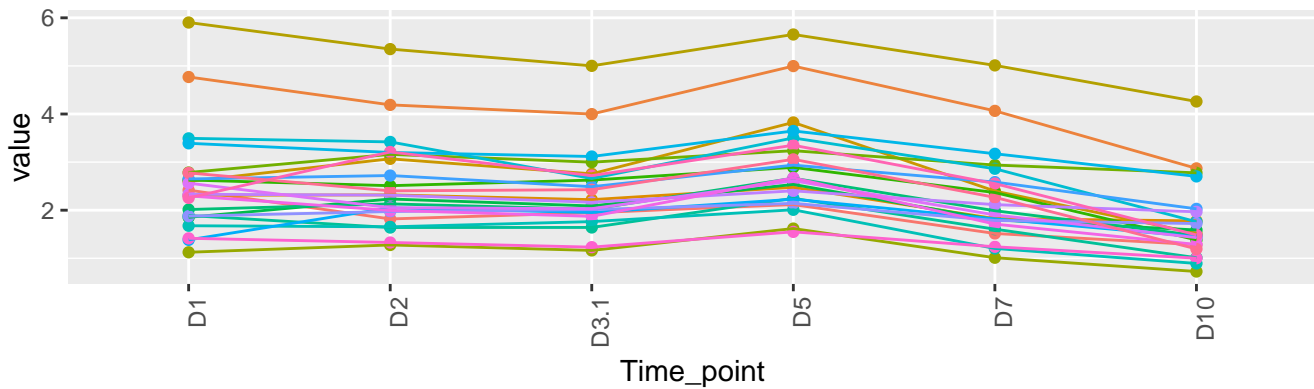
23 genes – WT-cluster-188-original



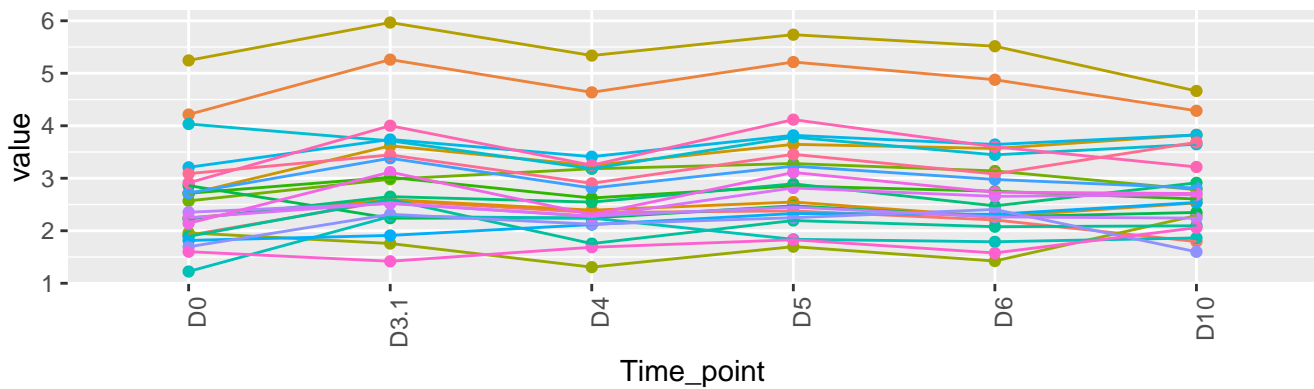
23 genes – KO-cluster-188-original



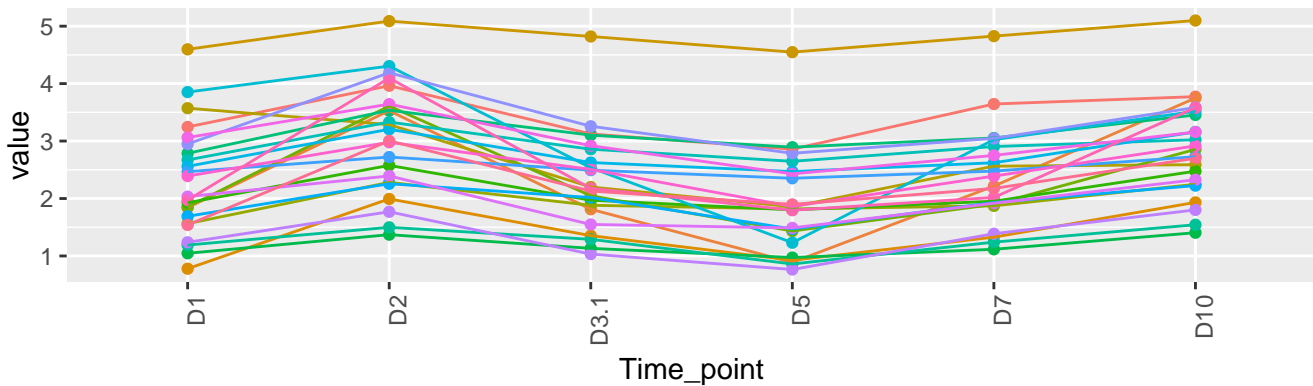
23 genes – WT-cluster-187-original



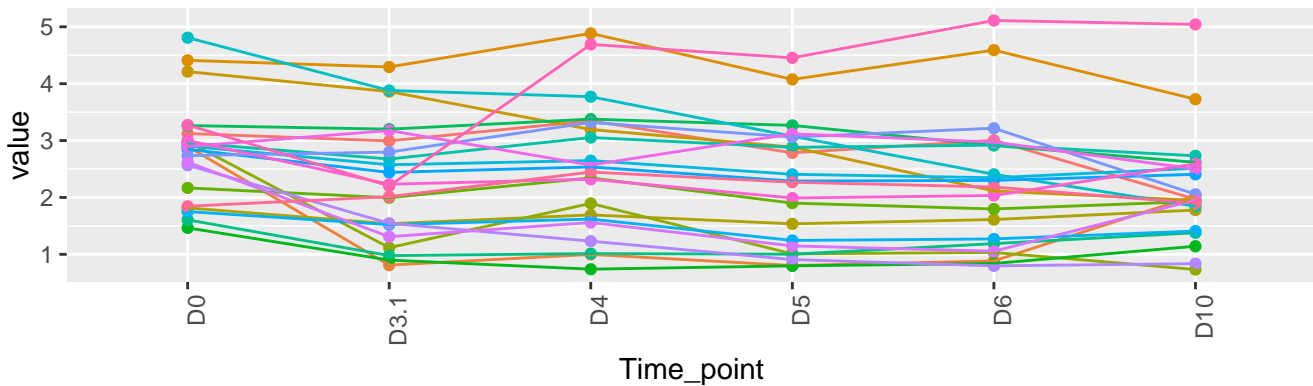
23 genes – KO-cluster-187-original



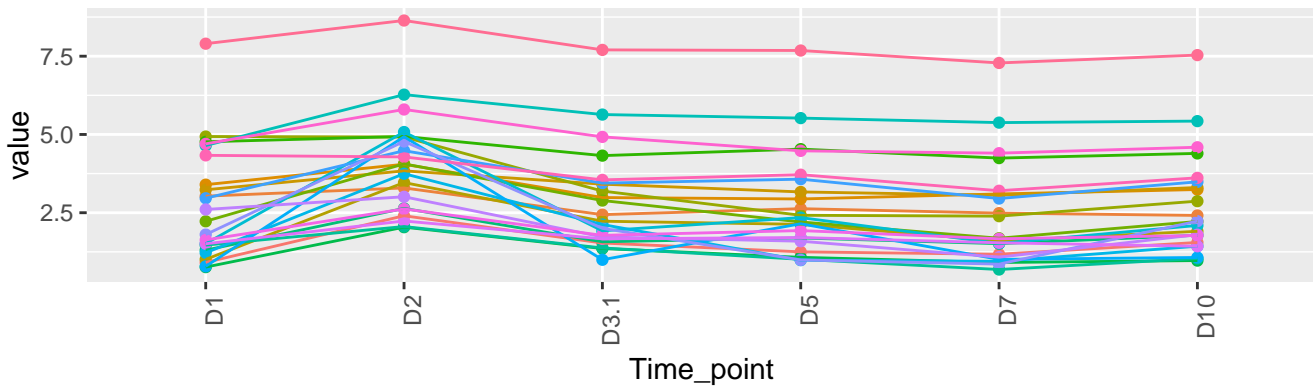
23 genes – WT-cluster-186-original



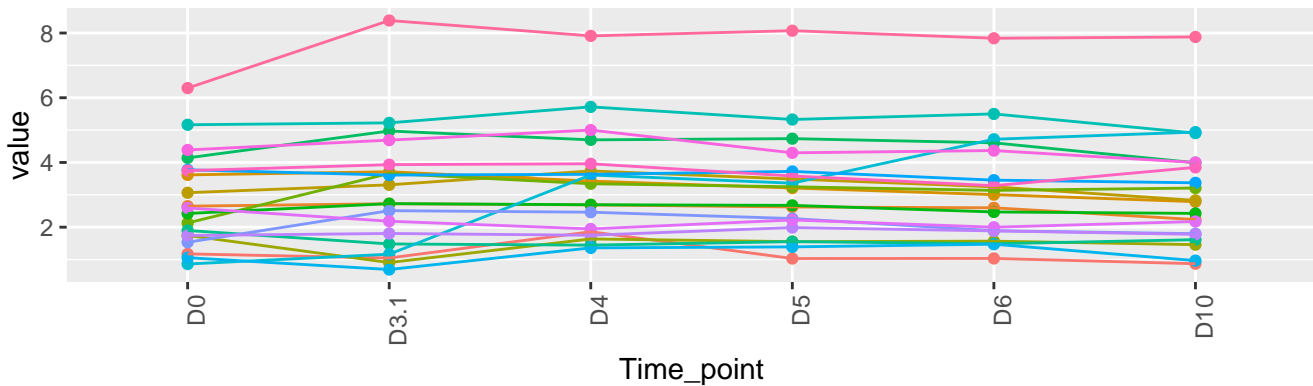
22 genes – KO-cluster-186-original



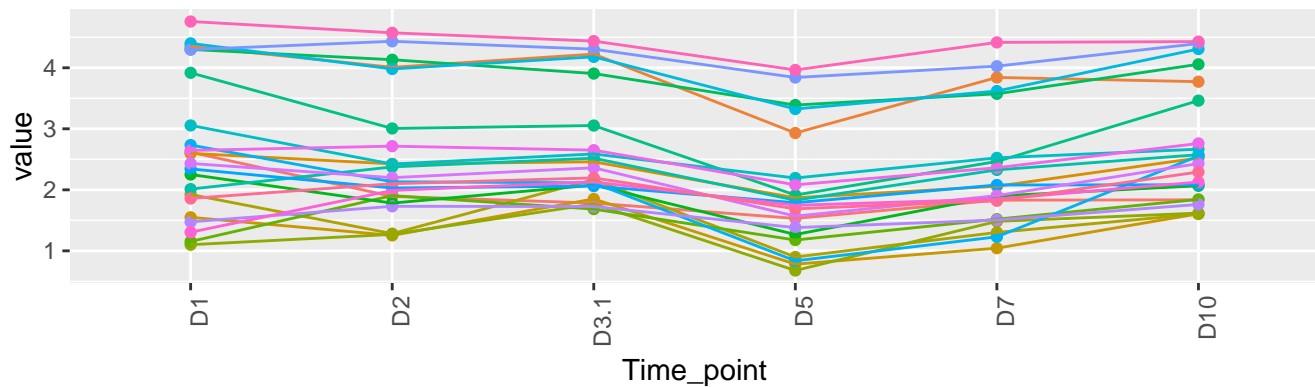
23 genes – WT-cluster-185-original



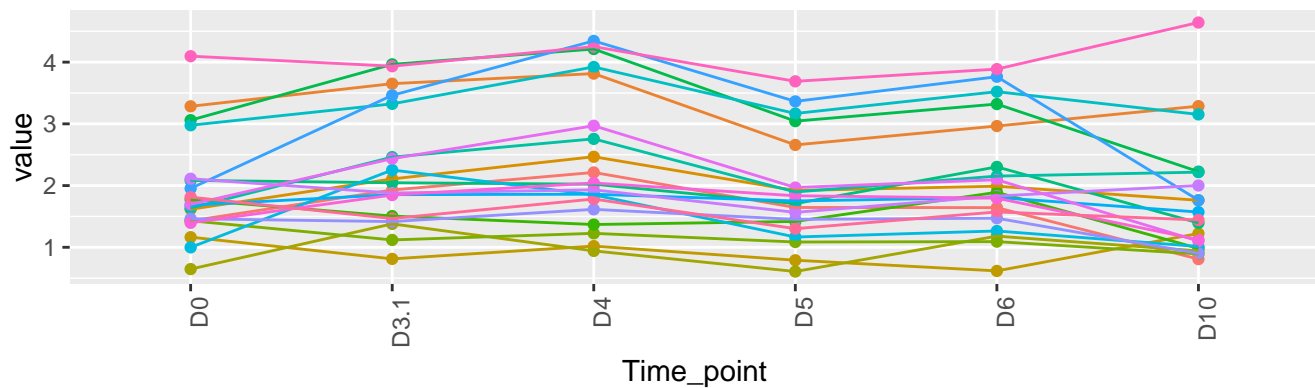
19 genes – KO-cluster-185-original



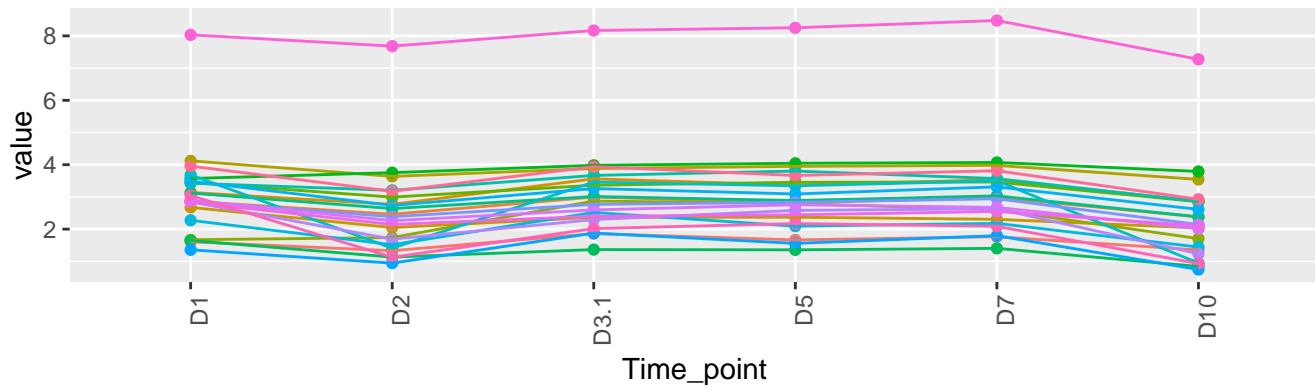
22 genes – WT-cluster-183-original



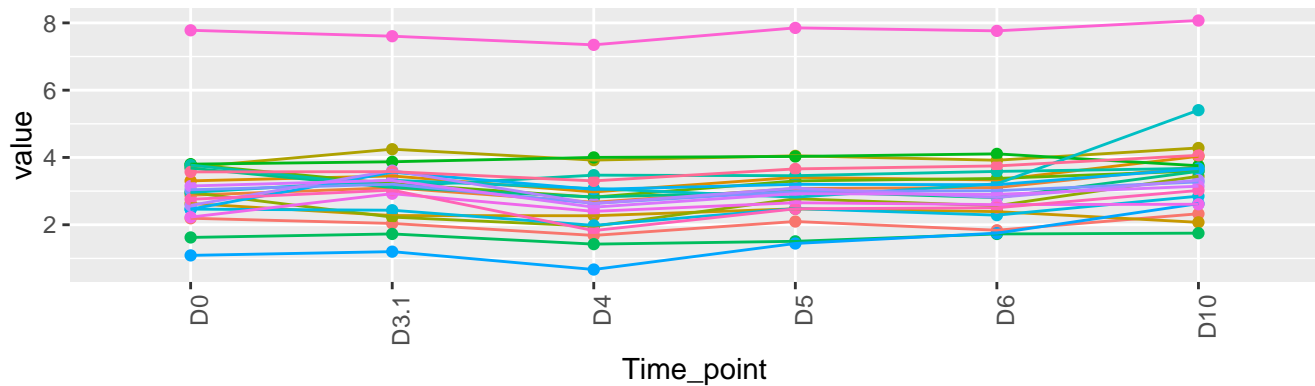
20 genes – KO-cluster-183-original



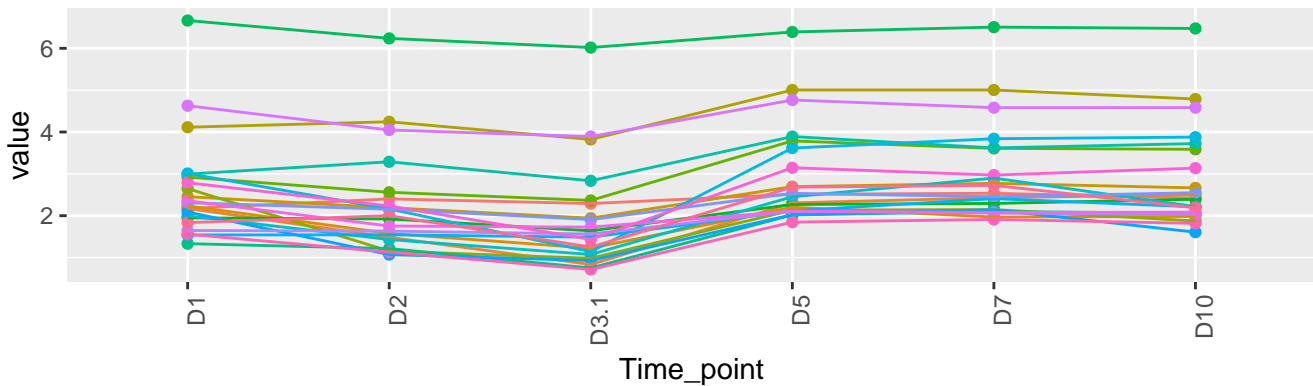
22 genes – WT-cluster-182-original



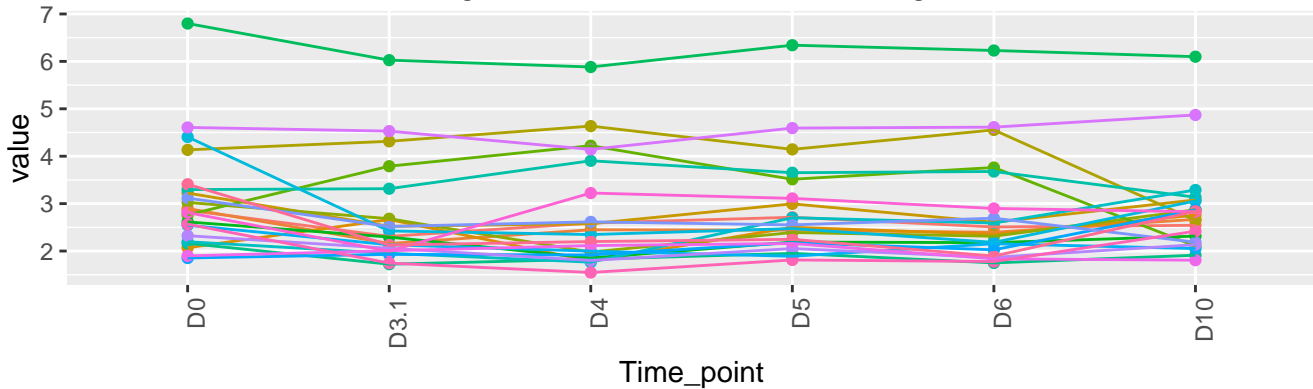
22 genes – KO-cluster-182-original



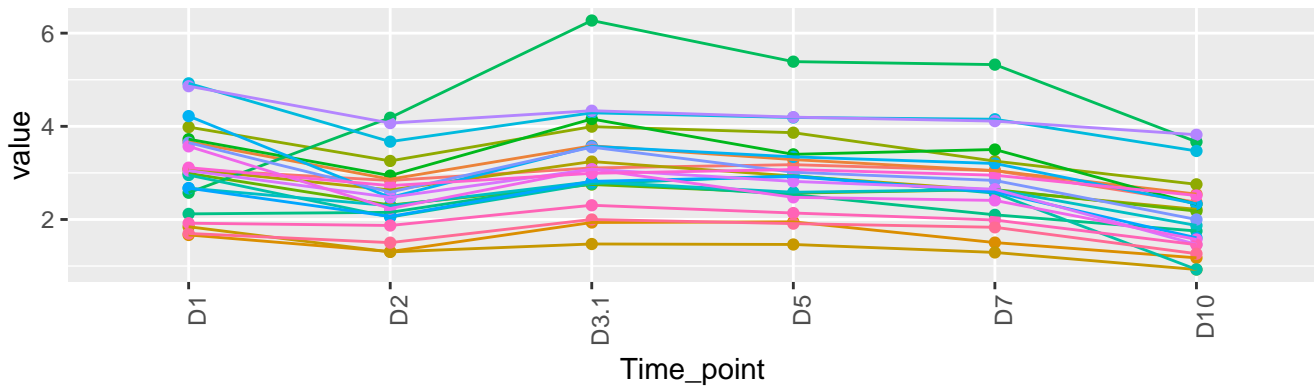
22 genes – WT-cluster-181-original



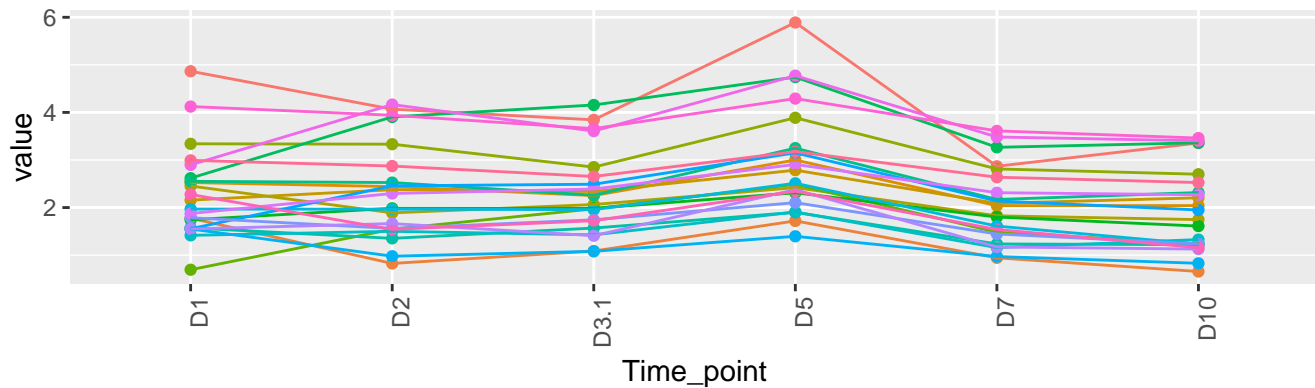
22 genes – KO-cluster-181-original



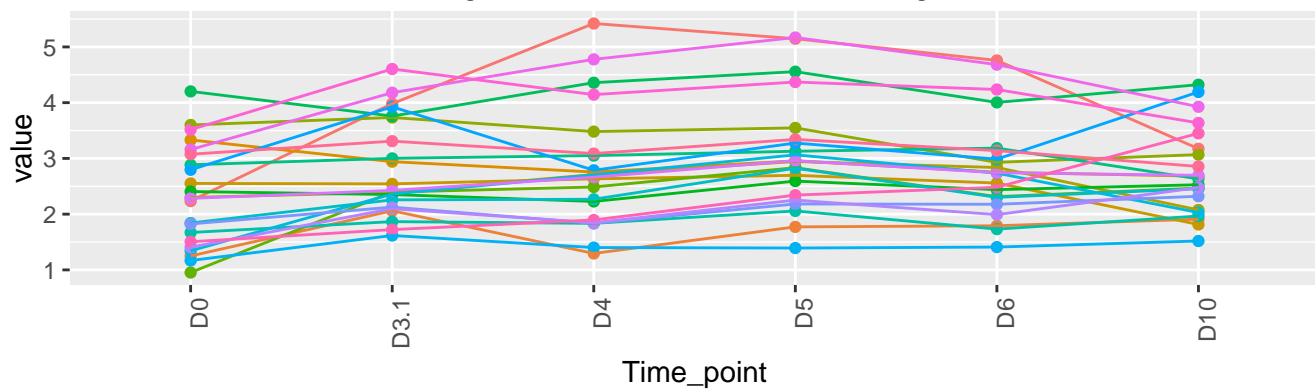
22 genes – WT-cluster-180-original



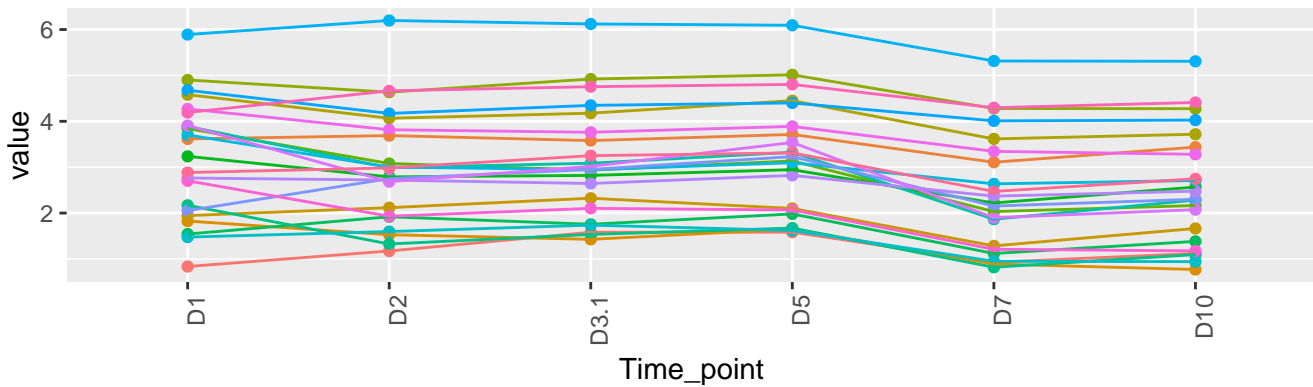
22 genes – WT-cluster-179-original



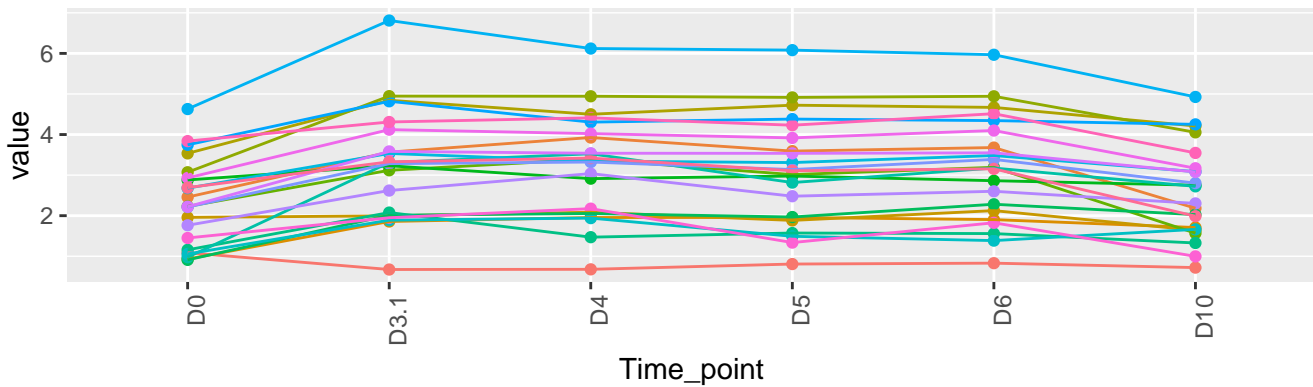
22 genes – KO-cluster-179-original



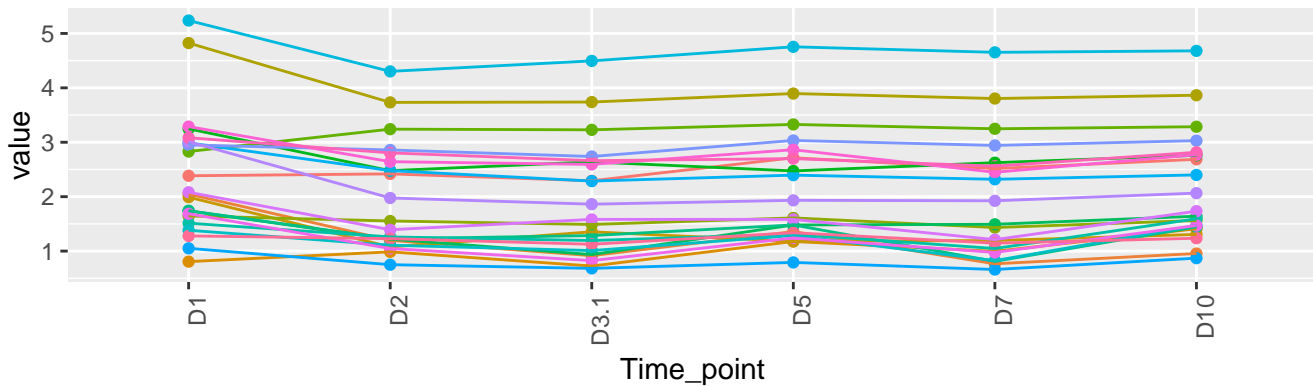
22 genes – WT-cluster-178-original



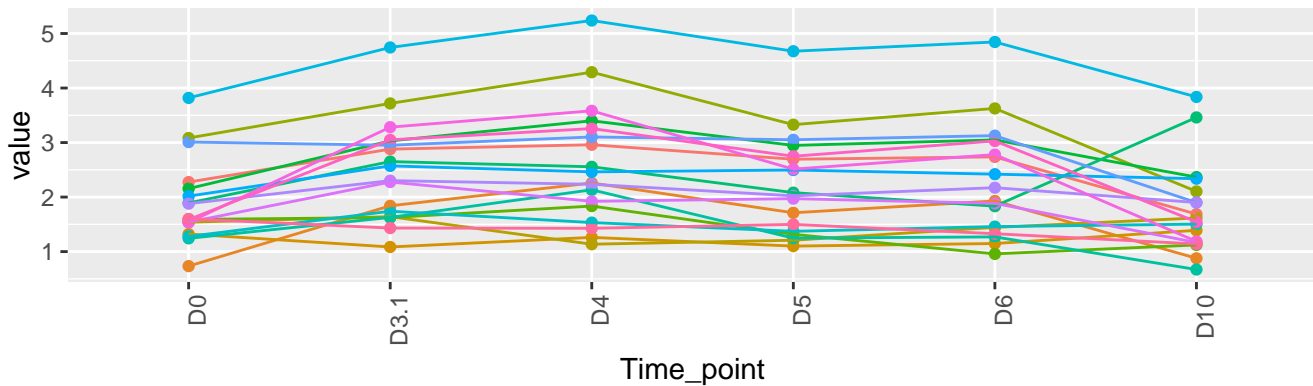
22 genes – KO-cluster-178-original



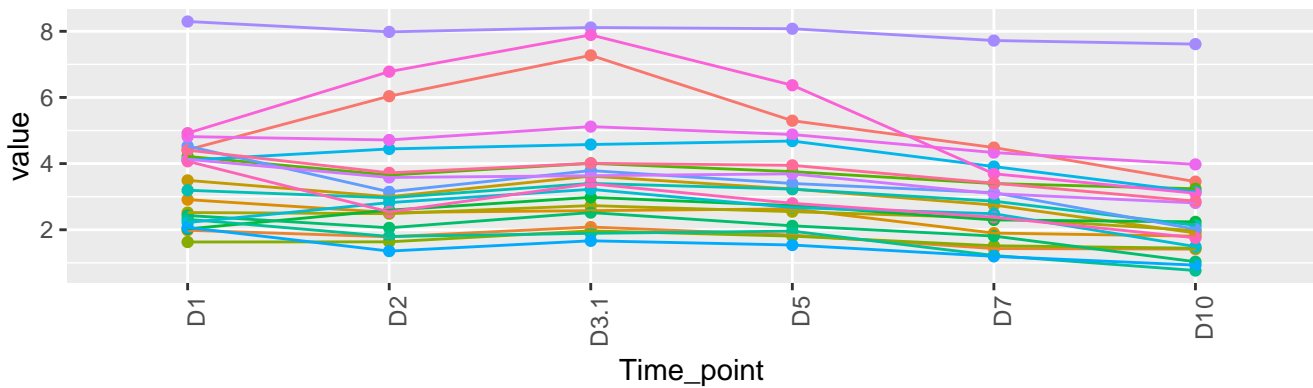
22 genes – WT-cluster-177-original



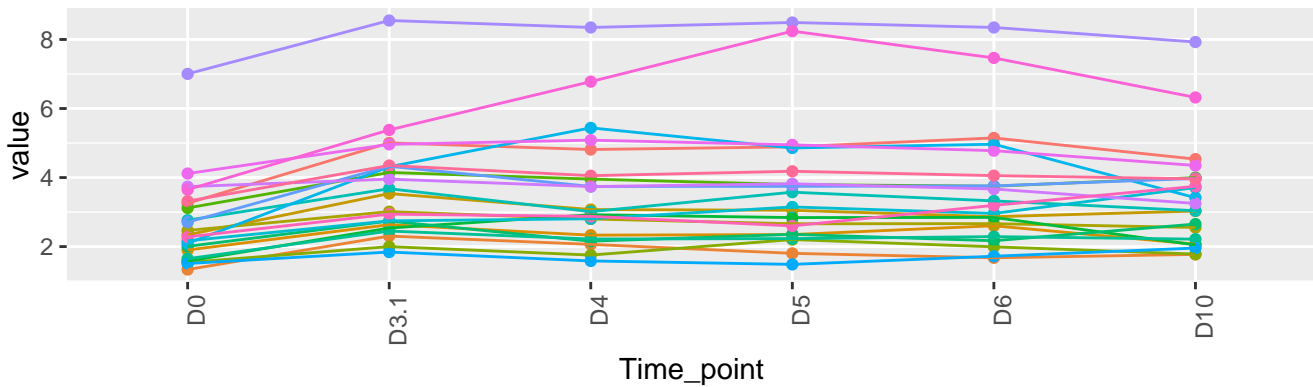
18 genes – KO-cluster-177-original



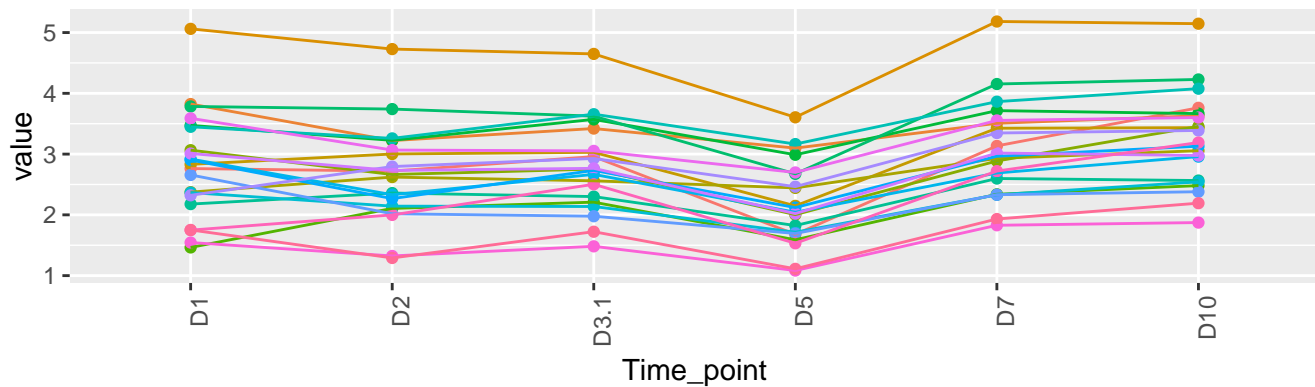
21 genes – WT-cluster-176-original



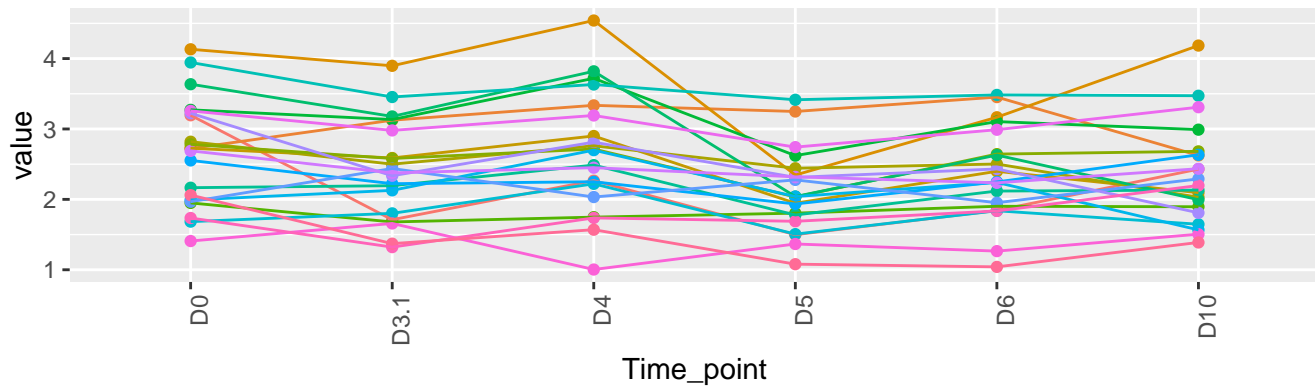
21 genes – KO-cluster-176-original



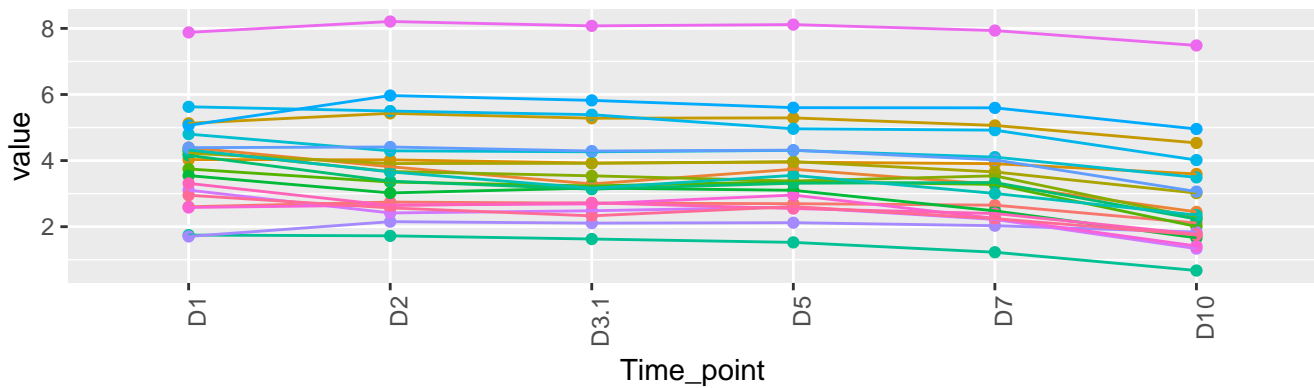
21 genes – WT-cluster-175-original



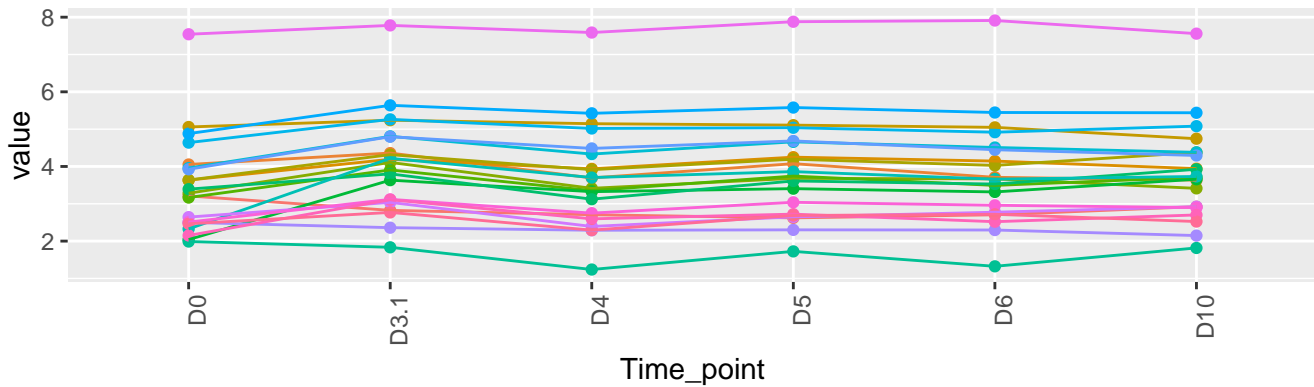
21 genes – KO-cluster-175-original



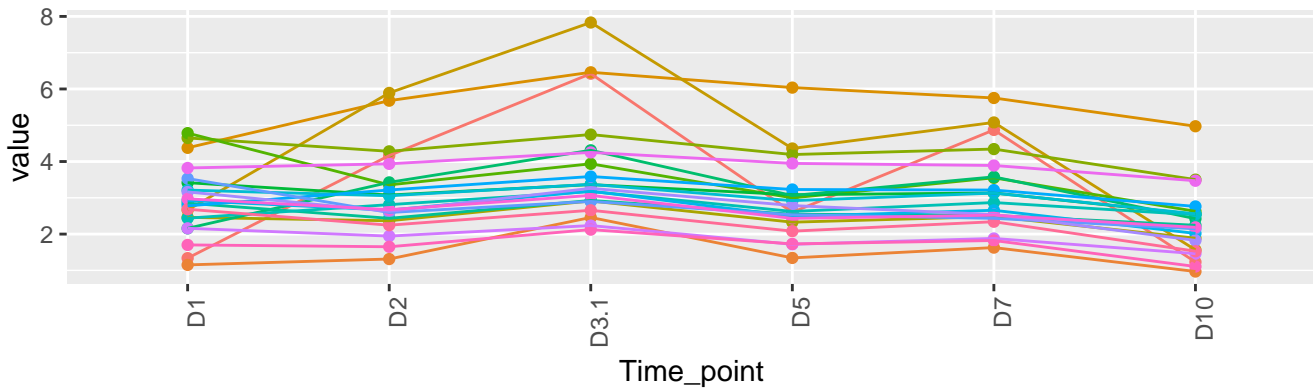
21 genes – WT-cluster-174-original



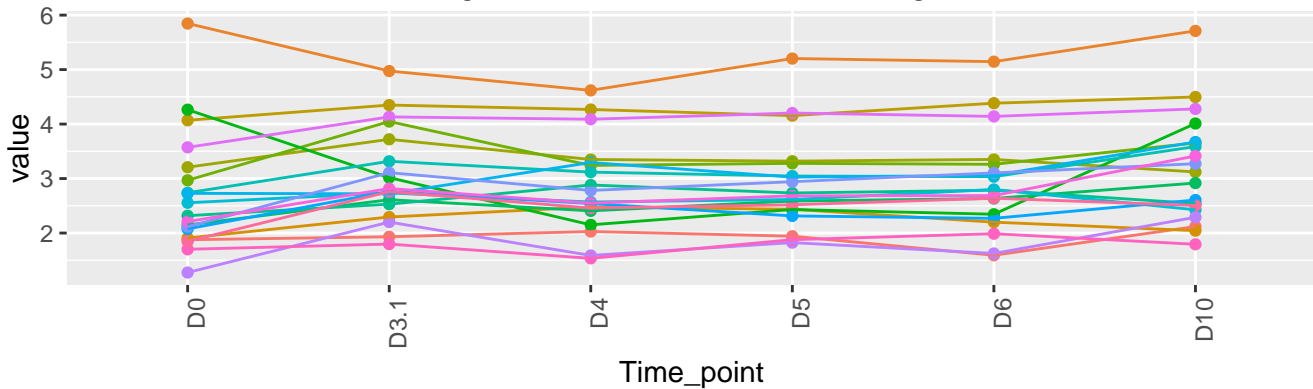
21 genes – KO-cluster-174-original



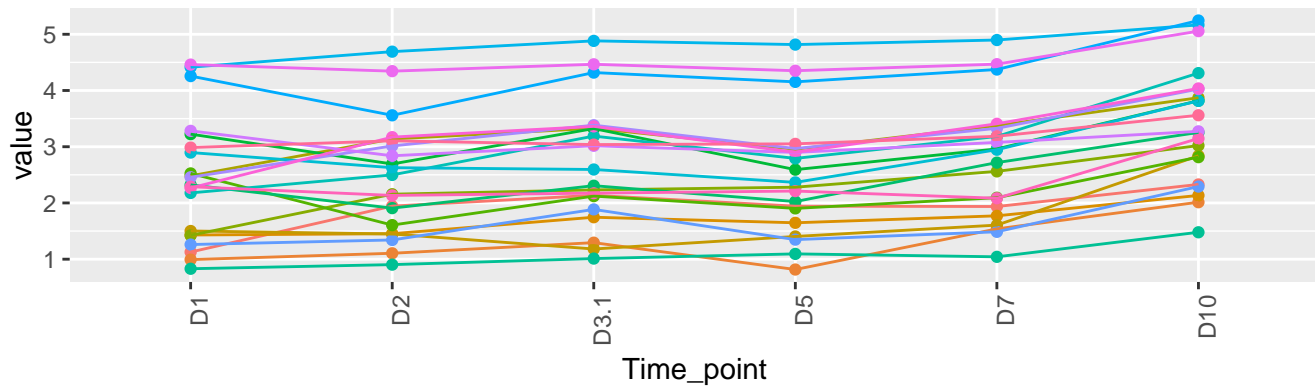
21 genes – WT-cluster-173-original



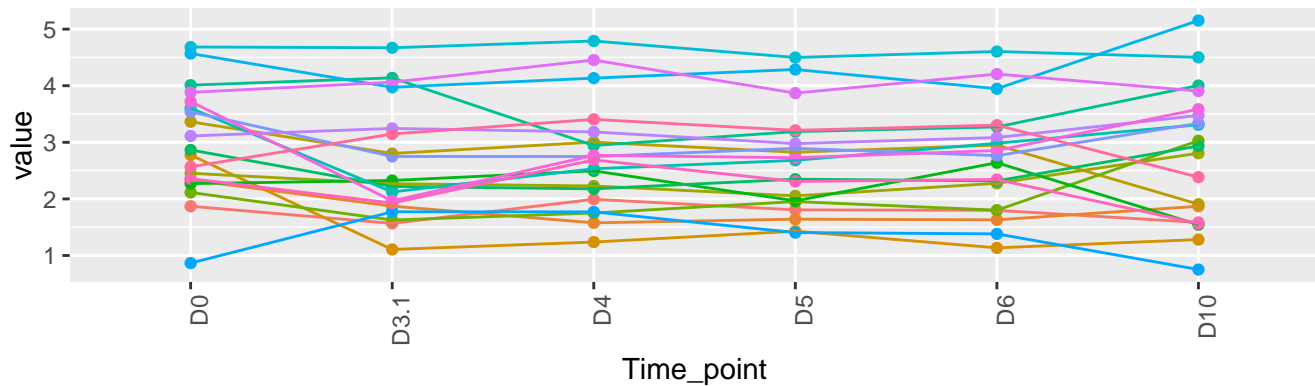
19 genes – KO-cluster-173-original



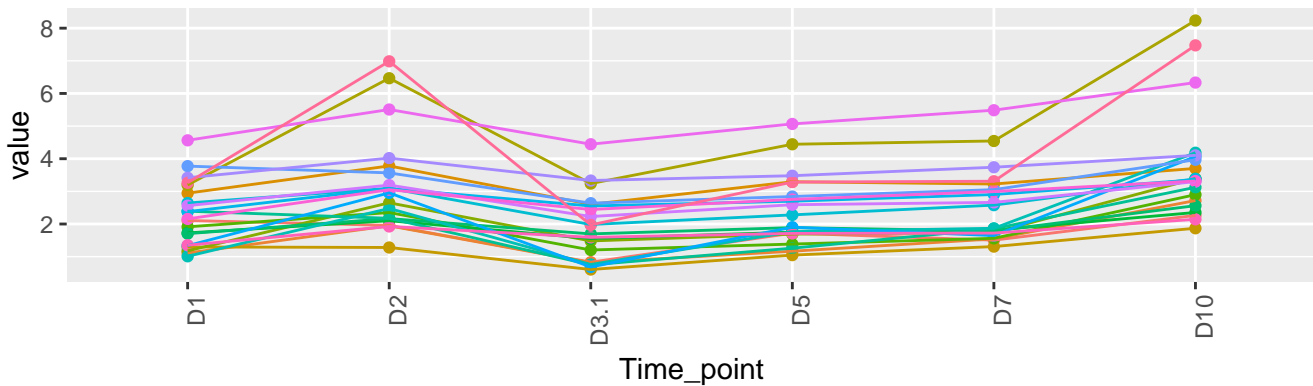
21 genes – WT-cluster-172-original



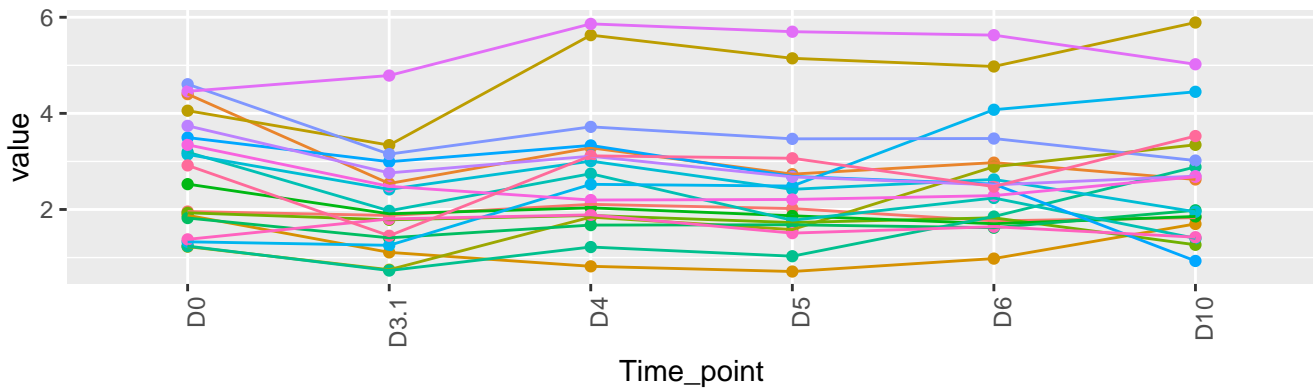
19 genes – KO-cluster-172-original



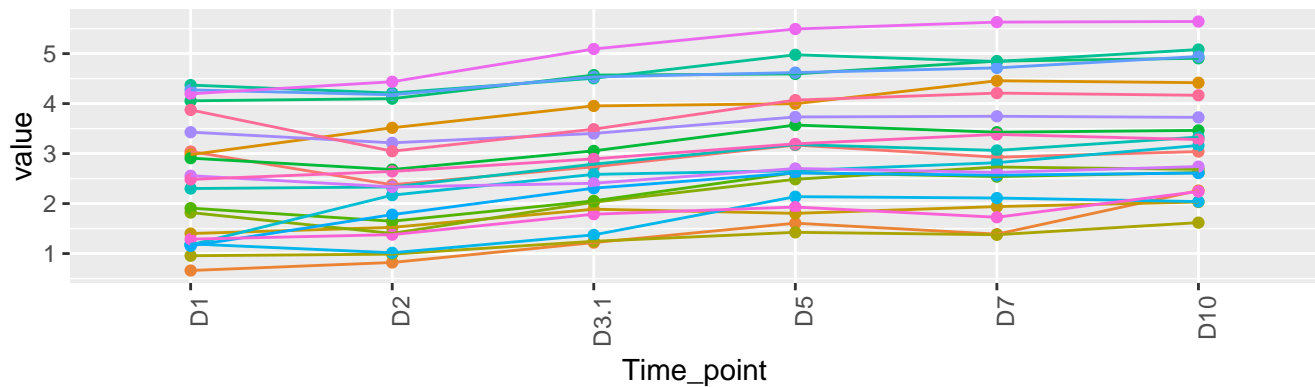
21 genes – WT-cluster-171-original



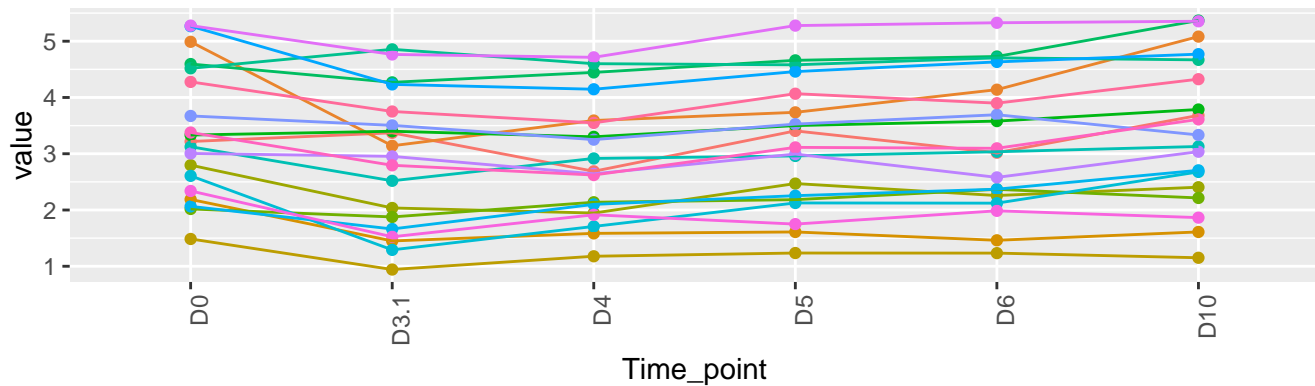
19 genes – KO-cluster-171-original



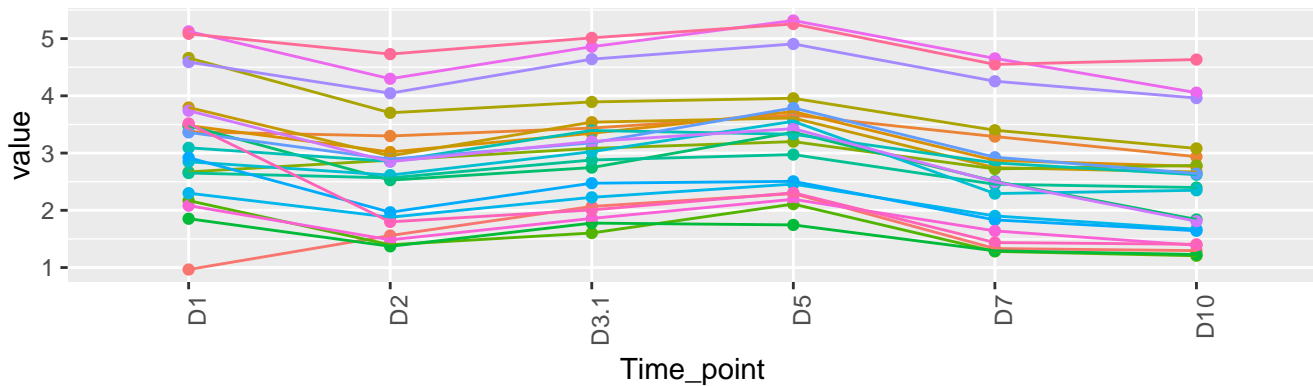
21 genes – WT-cluster-170-original



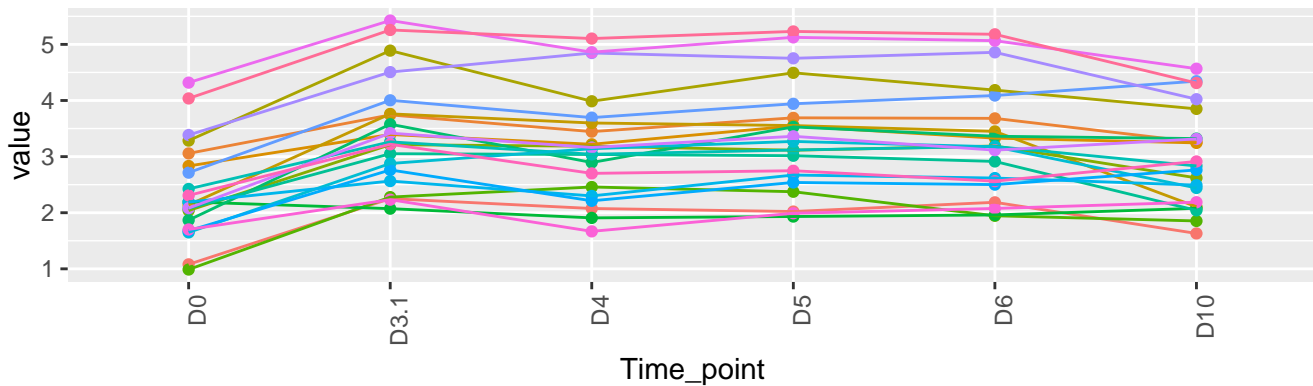
19 genes – KO-cluster-170-original



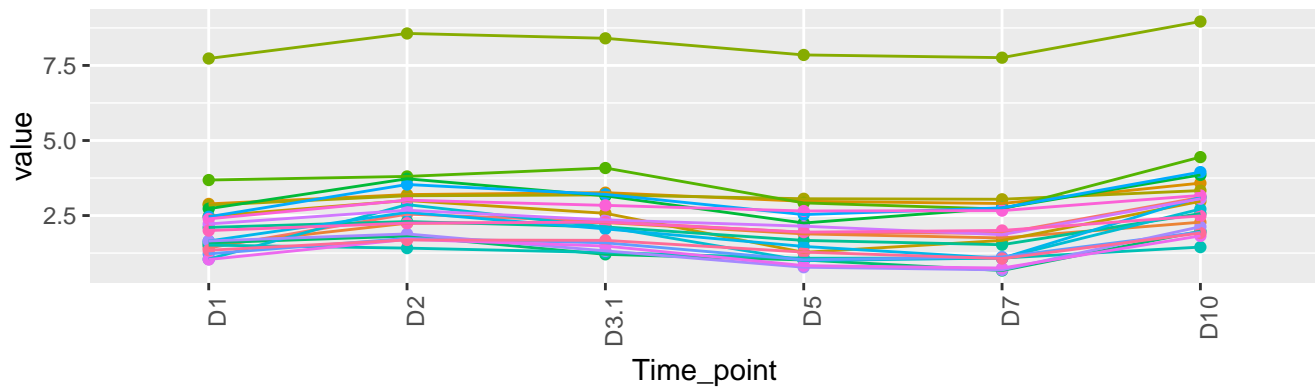
21 genes – WT-cluster-169-original



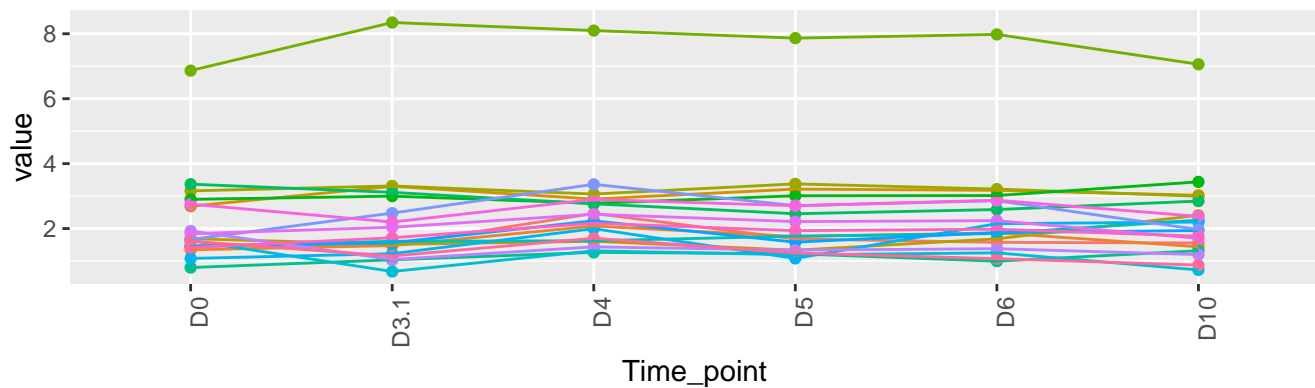
21 genes – KO-cluster-169-original



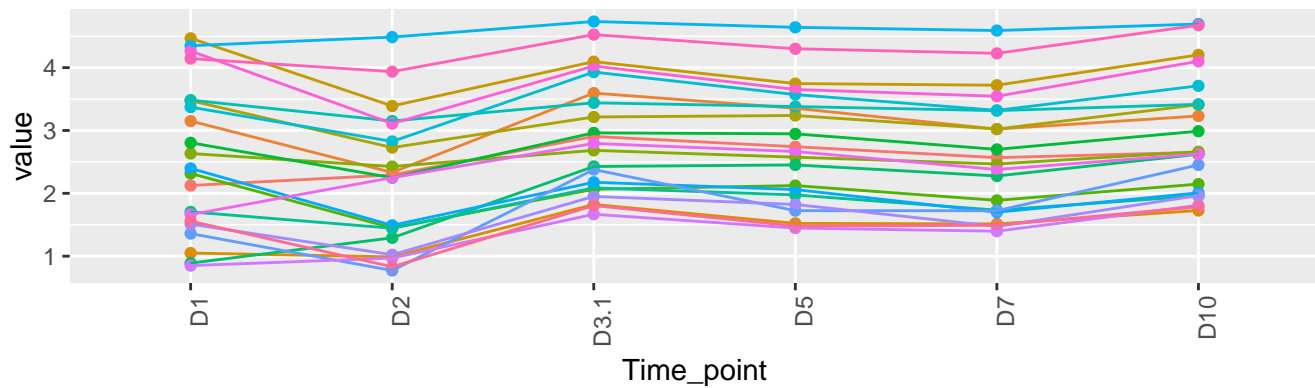
21 genes – WT-cluster-168-original



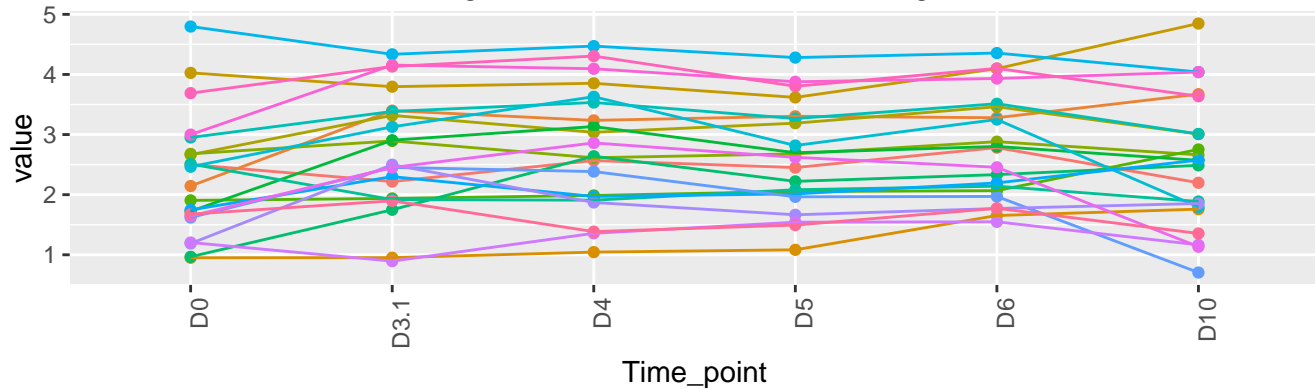
19 genes – KO-cluster-168-original



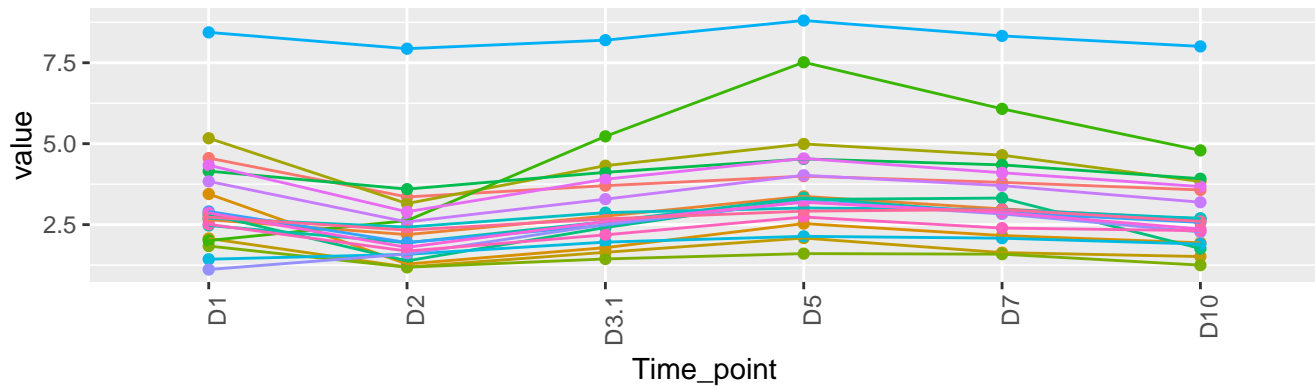
21 genes – WT-cluster-167-original



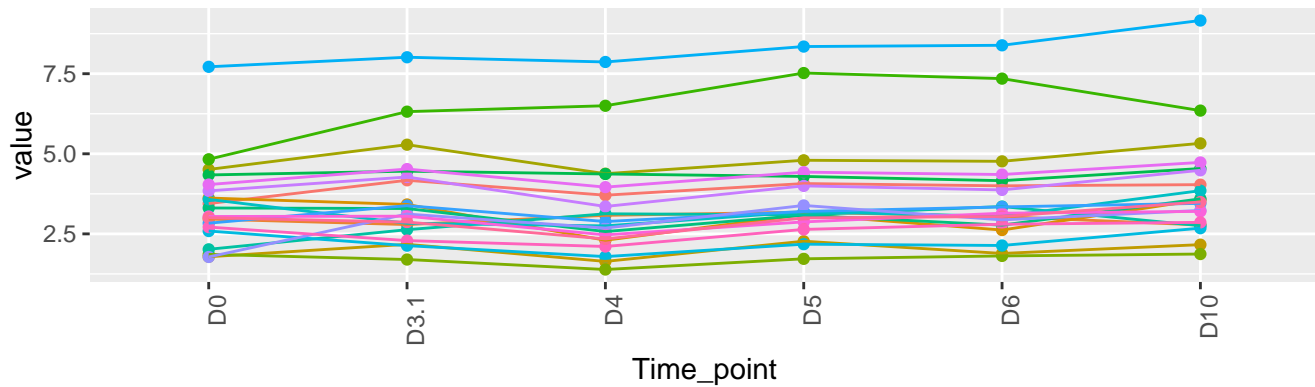
21 genes – KO-cluster-167-original



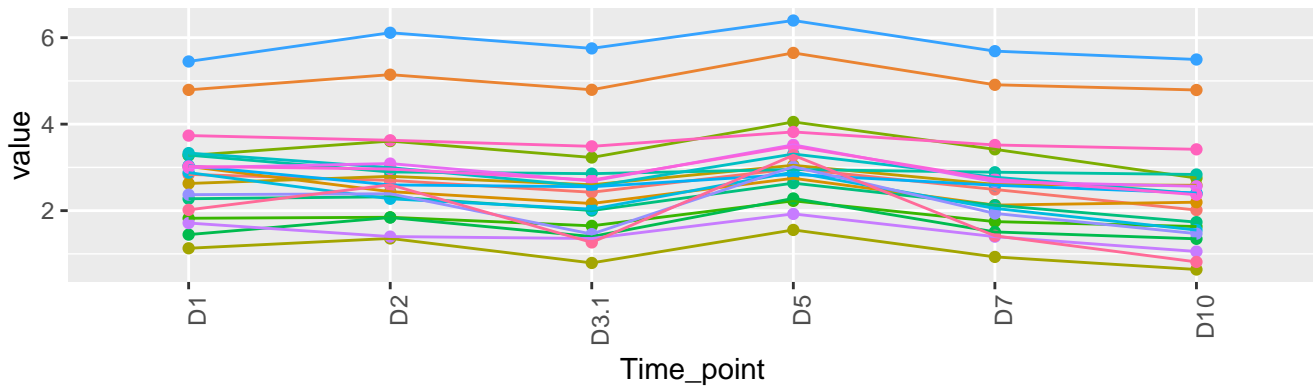
20 genes – WT-cluster-166-original



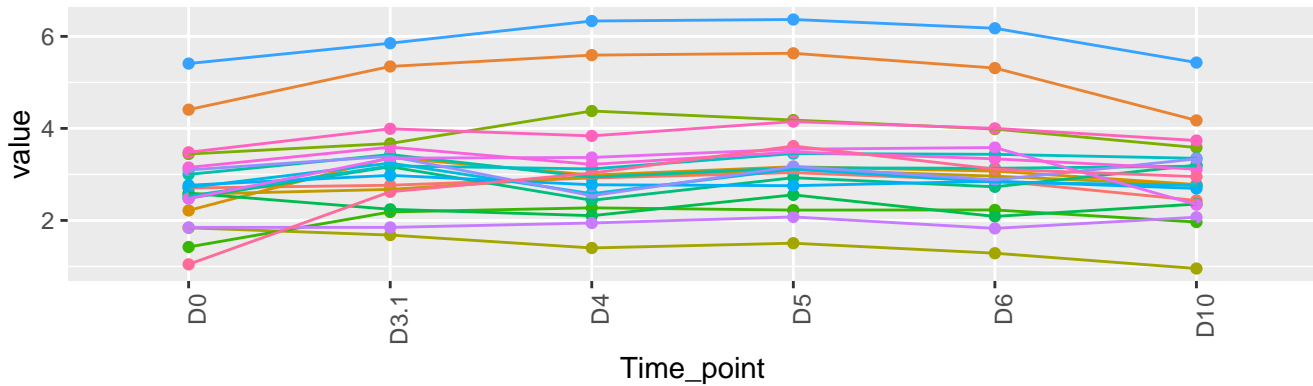
20 genes – KO-cluster-166-original



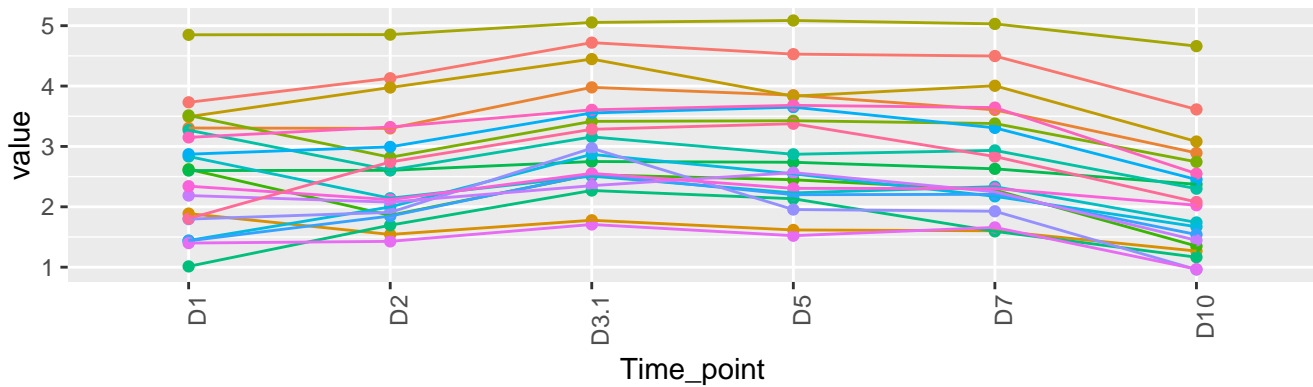
20 genes – WT-cluster-165-original



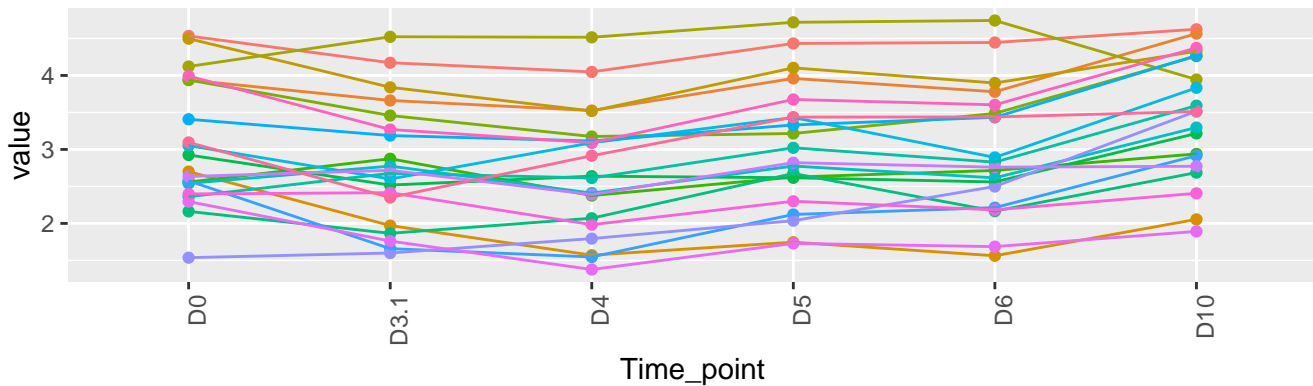
20 genes – KO-cluster-165-original



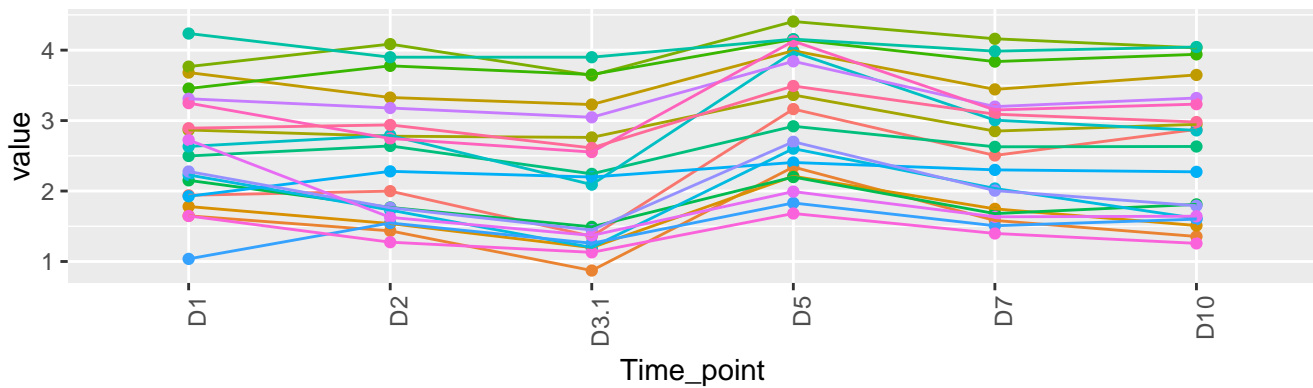
20 genes – WT-cluster-164-original



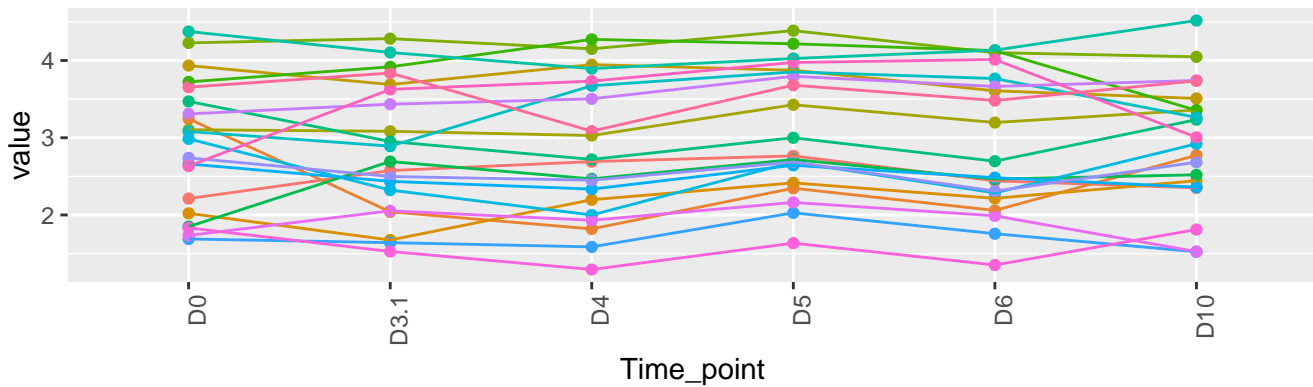
20 genes – KO-cluster-164-original



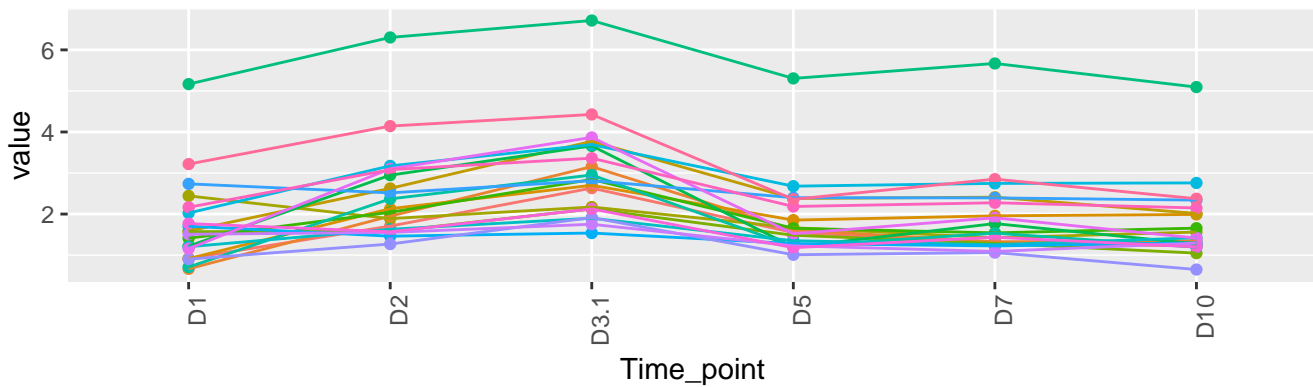
20 genes – WT-cluster-163-original



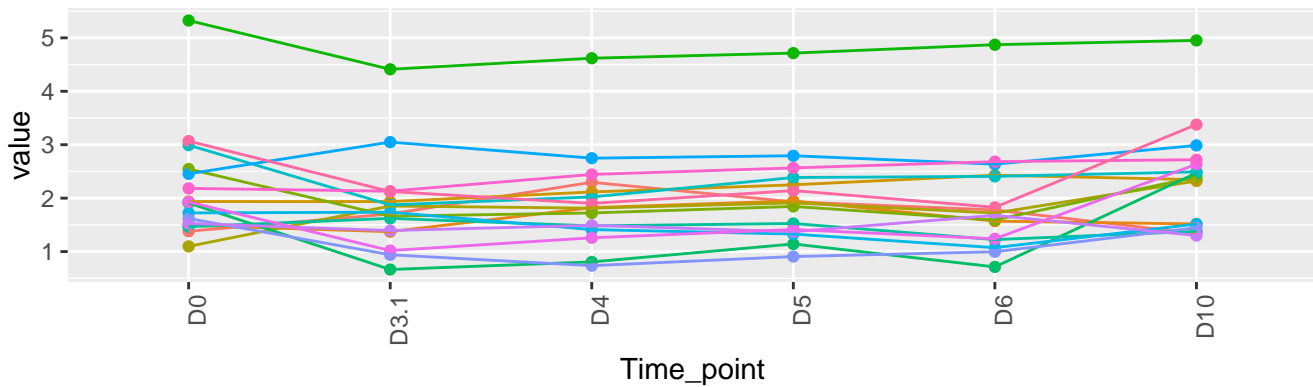
20 genes – KO-cluster-163-original



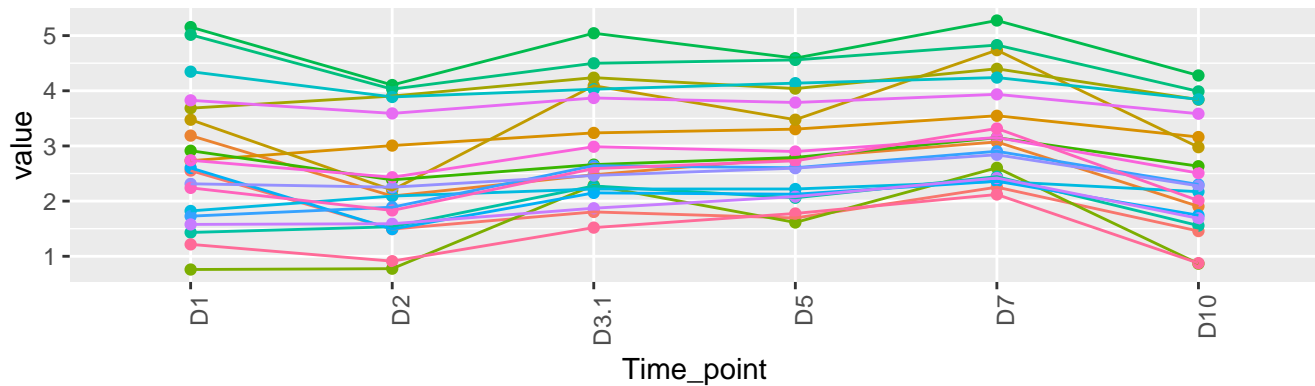
20 genes – WT-cluster-162-original



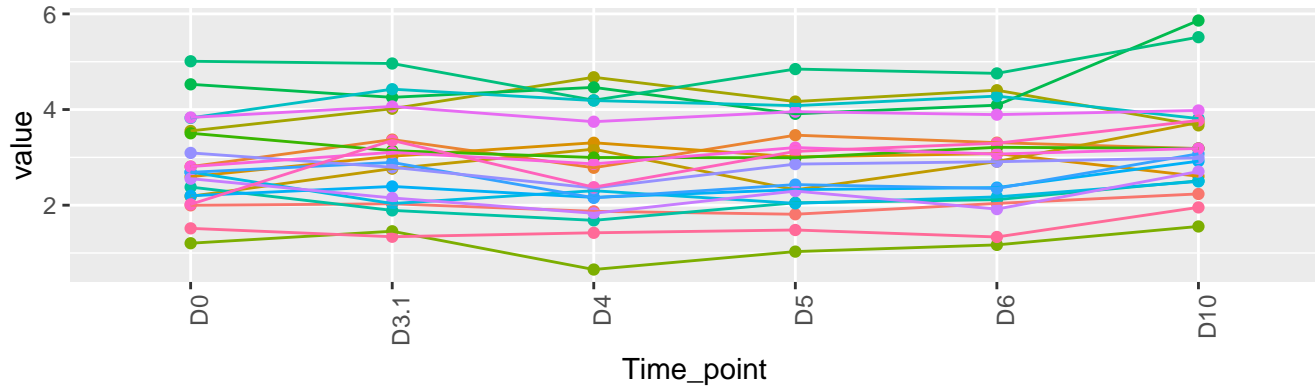
16 genes – KO-cluster-162-original



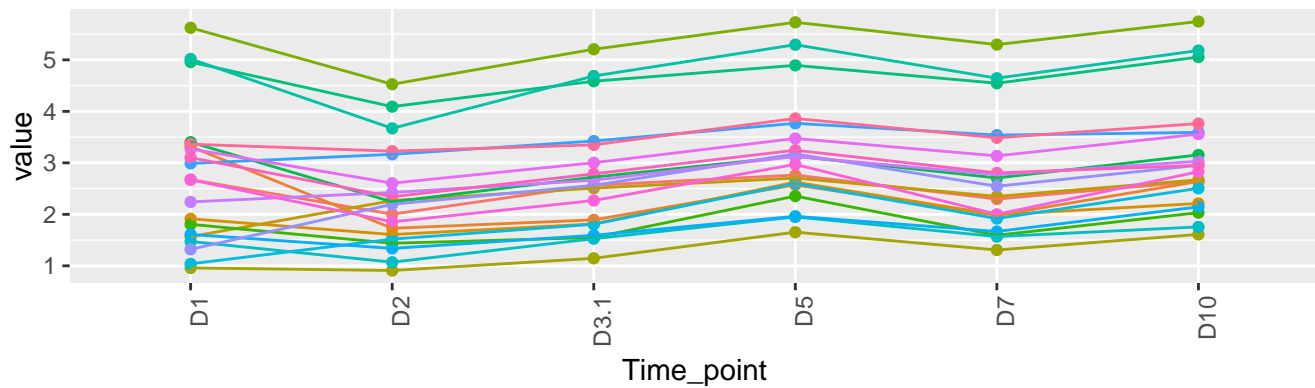
20 genes – WT-cluster-161-original



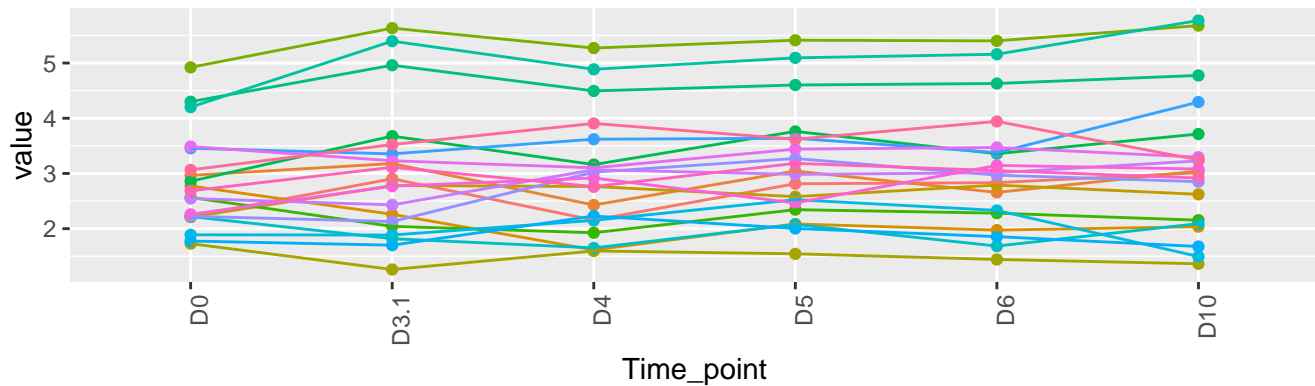
20 genes – KO-cluster-161-original



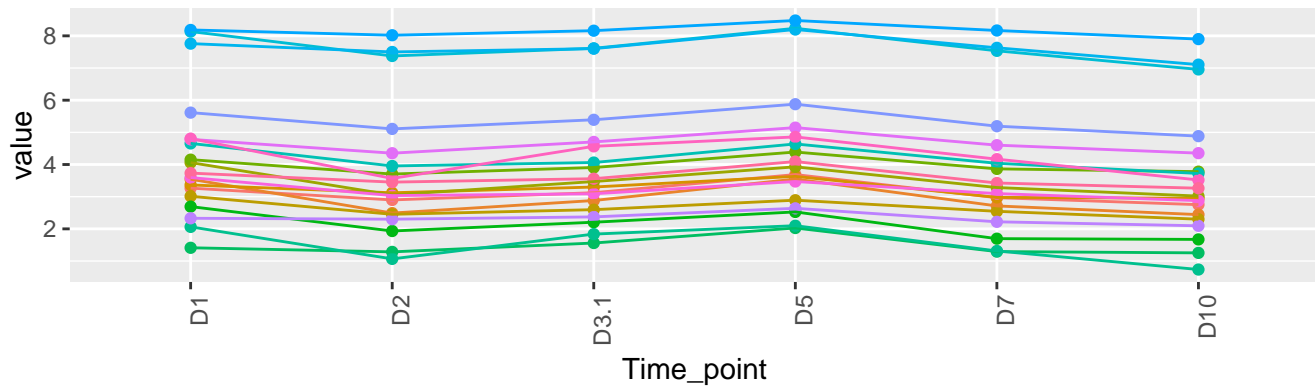
20 genes – WT-cluster-160-original



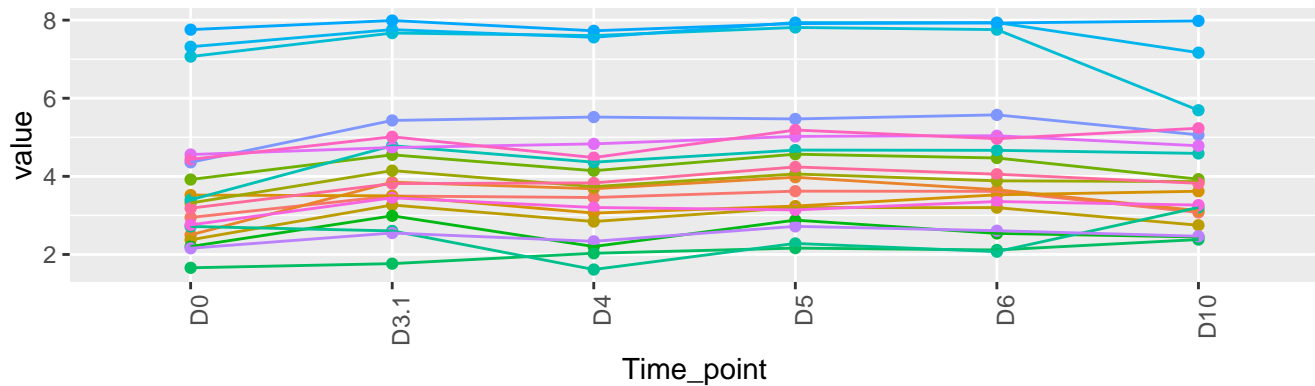
20 genes – KO-cluster-160-original



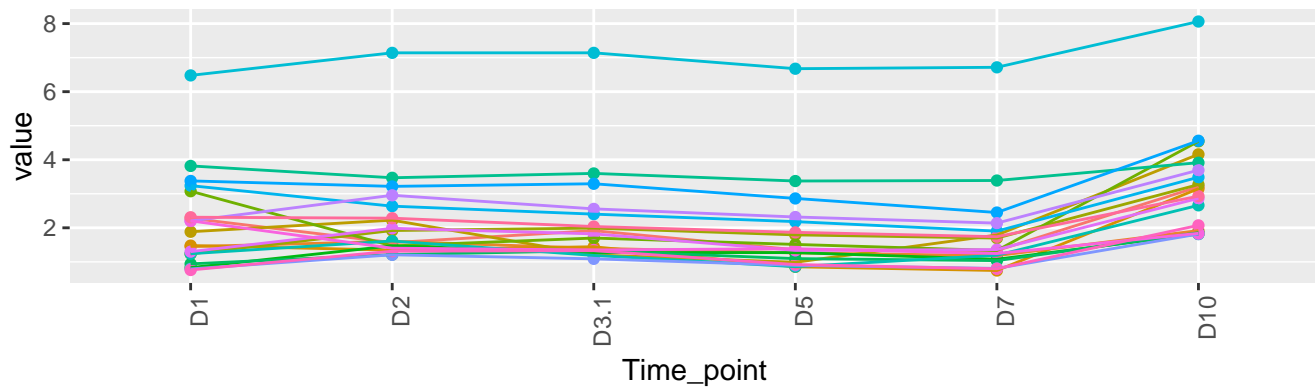
19 genes – WT-cluster-159-original



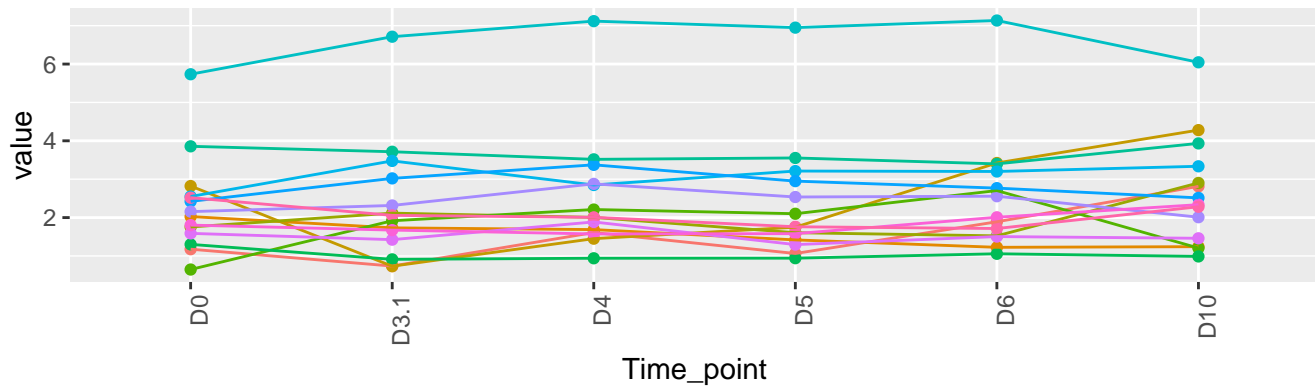
19 genes – KO-cluster-159-original



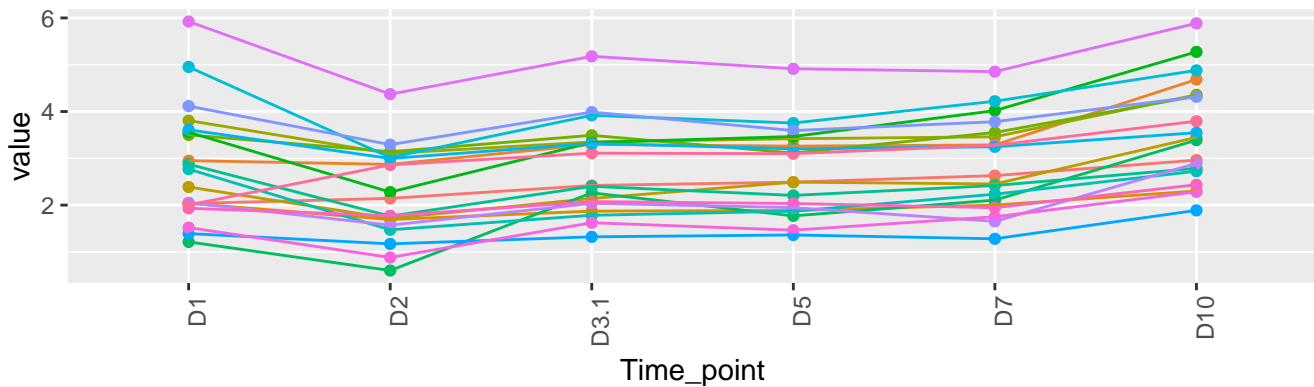
19 genes – WT-cluster-158-original



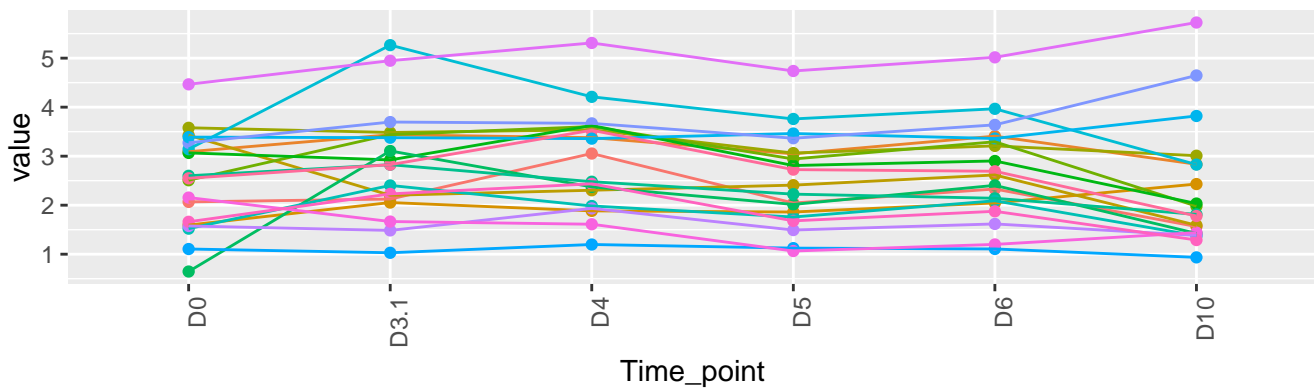
14 genes – KO-cluster-158-original



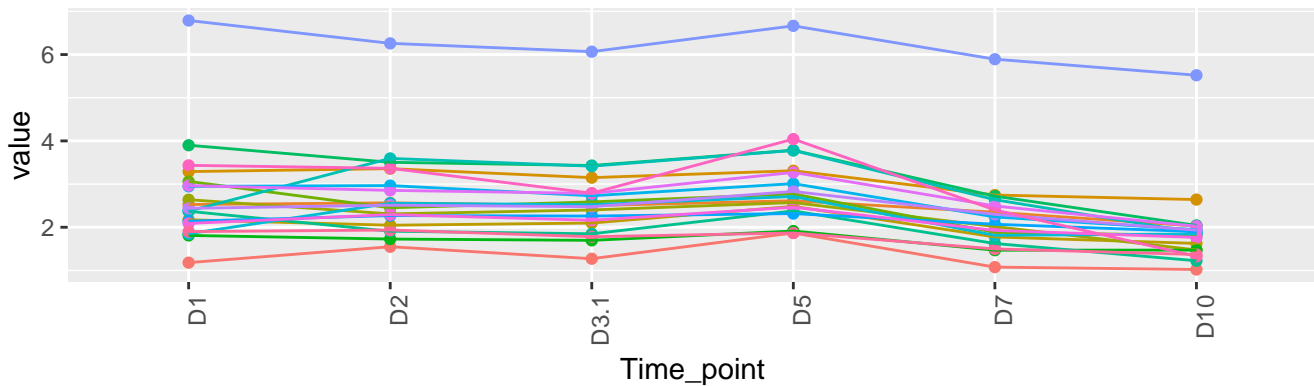
19 genes – WT-cluster-157-original



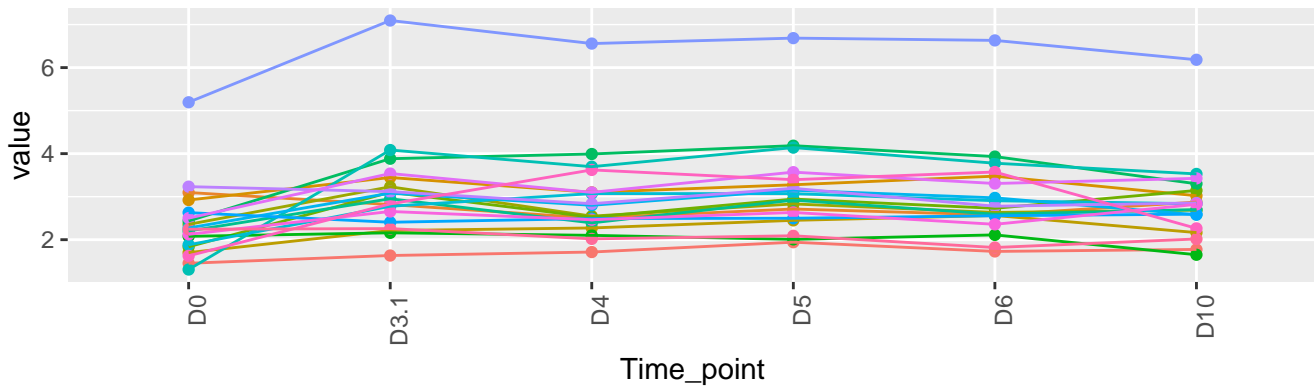
19 genes – KO-cluster-157-original



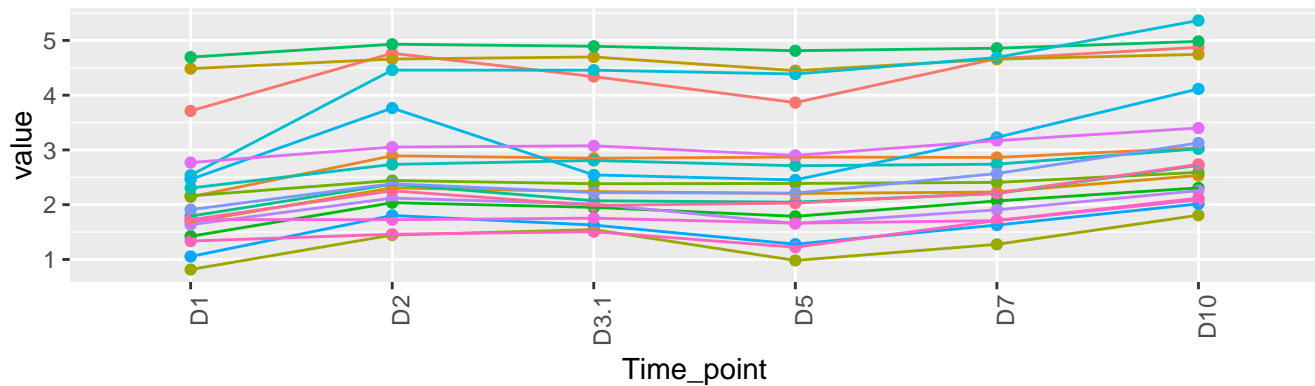
19 genes – WT-cluster-156-original



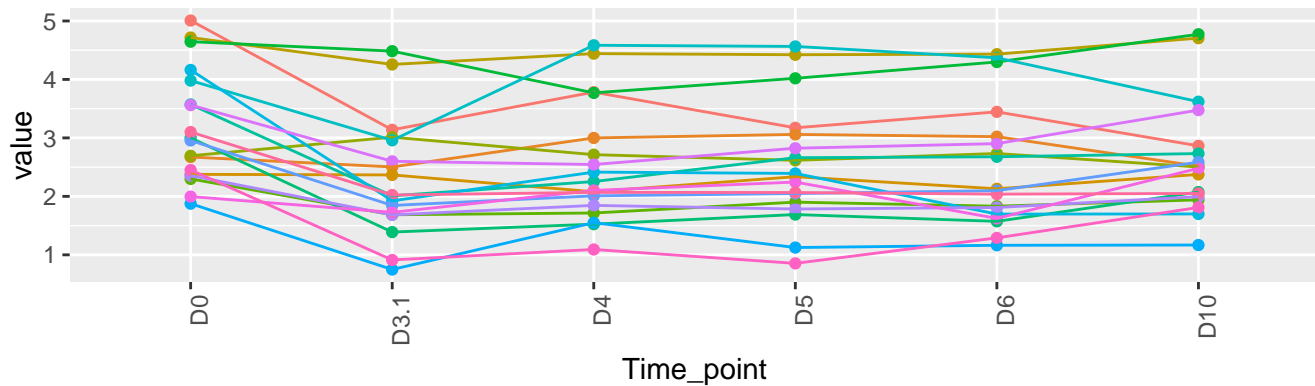
19 genes – KO-cluster-156-original



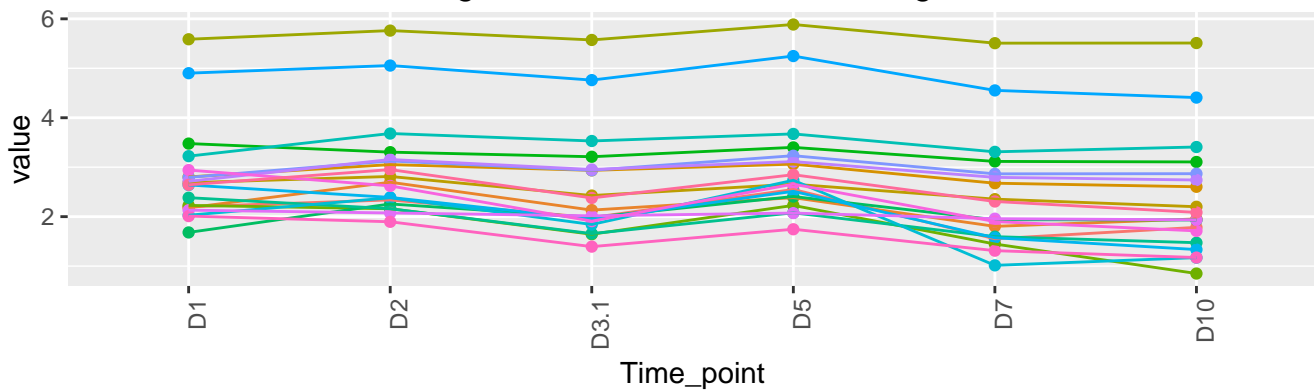
19 genes – WT-cluster-155-original



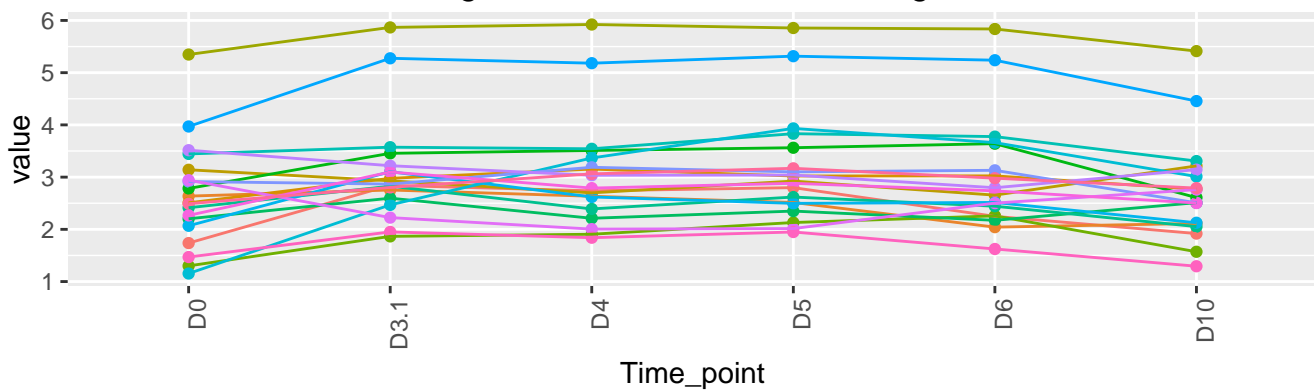
18 genes – KO-cluster-155-original



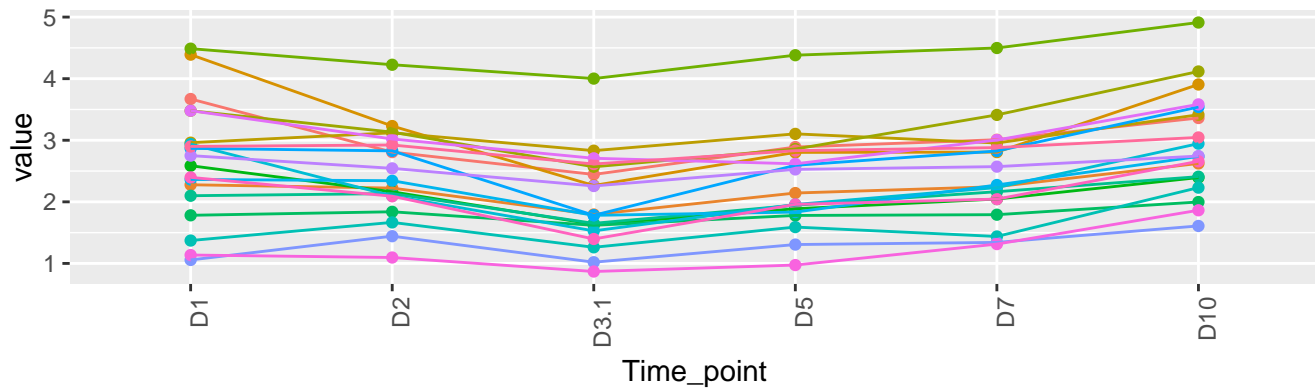
19 genes – WT-cluster-154-original



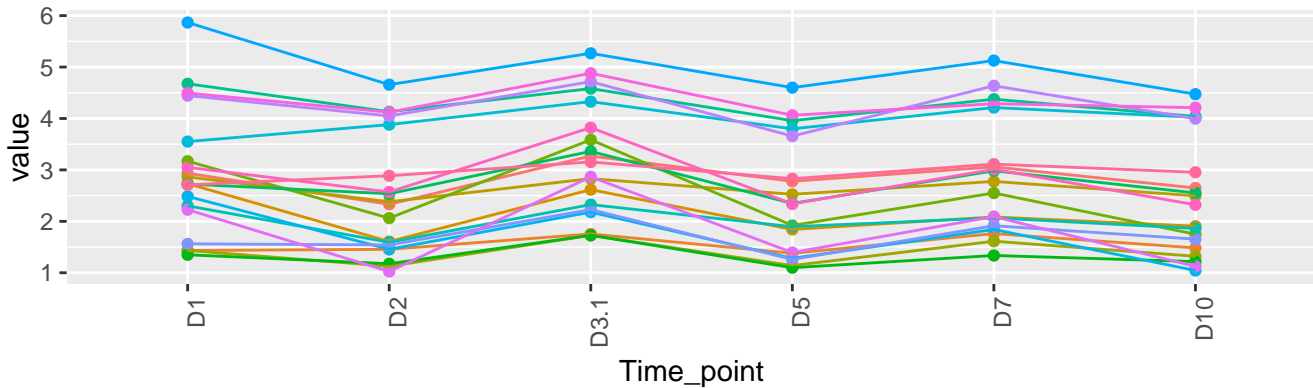
19 genes – KO-cluster-154-original



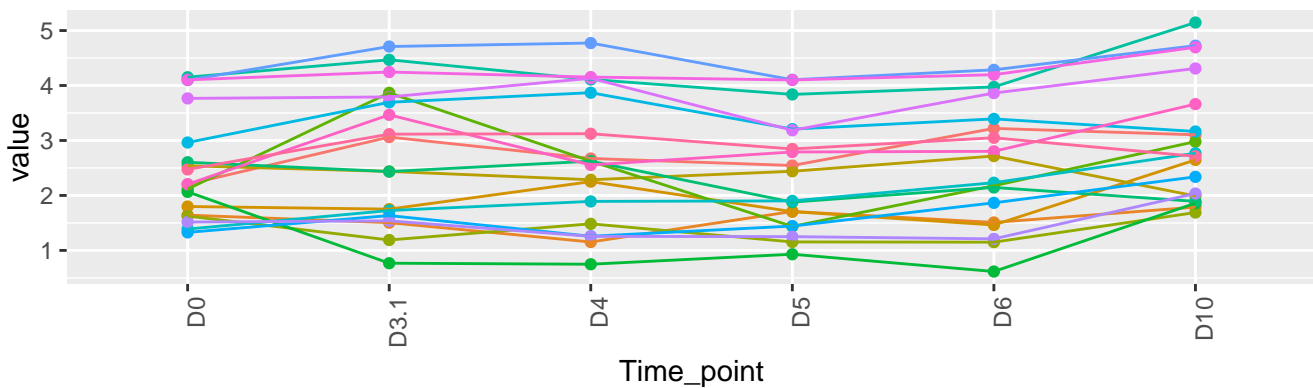
19 genes – WT-cluster-153-original



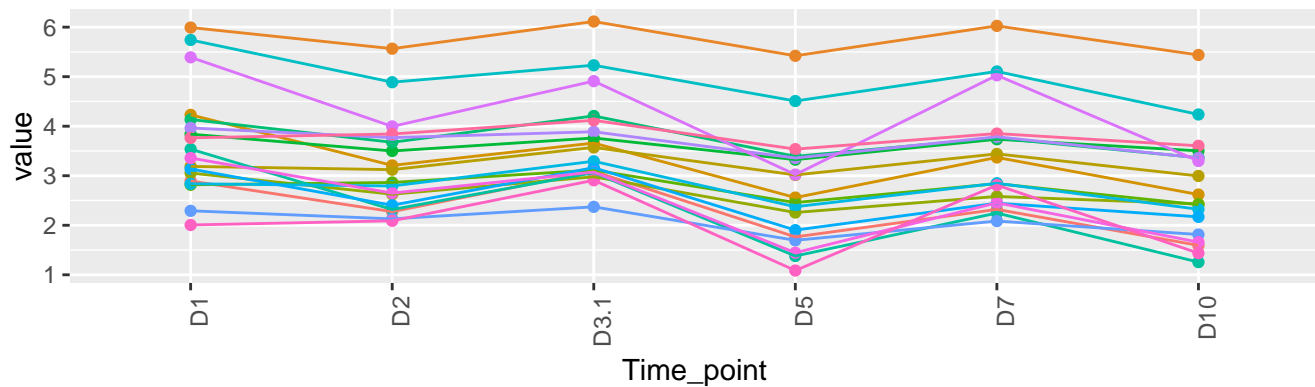
19 genes – WT-cluster-152-original



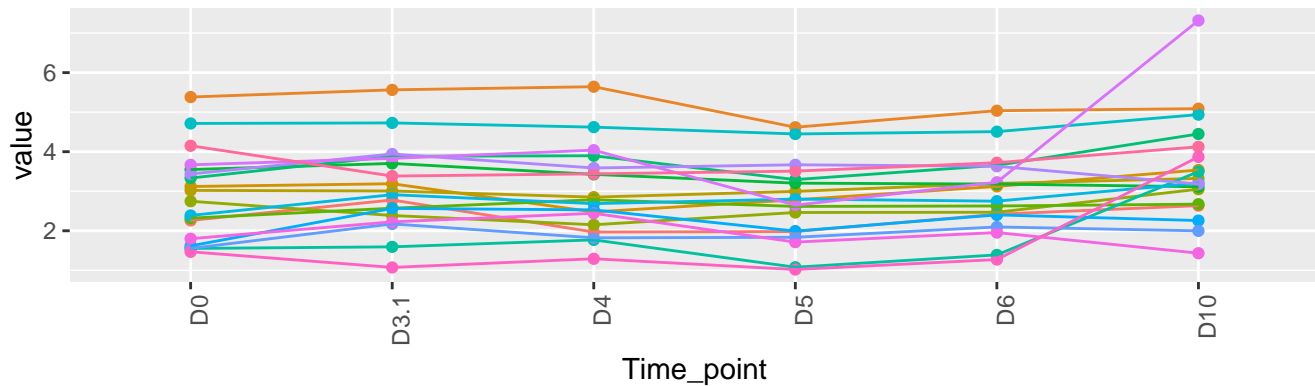
18 genes – KO-cluster-152-original



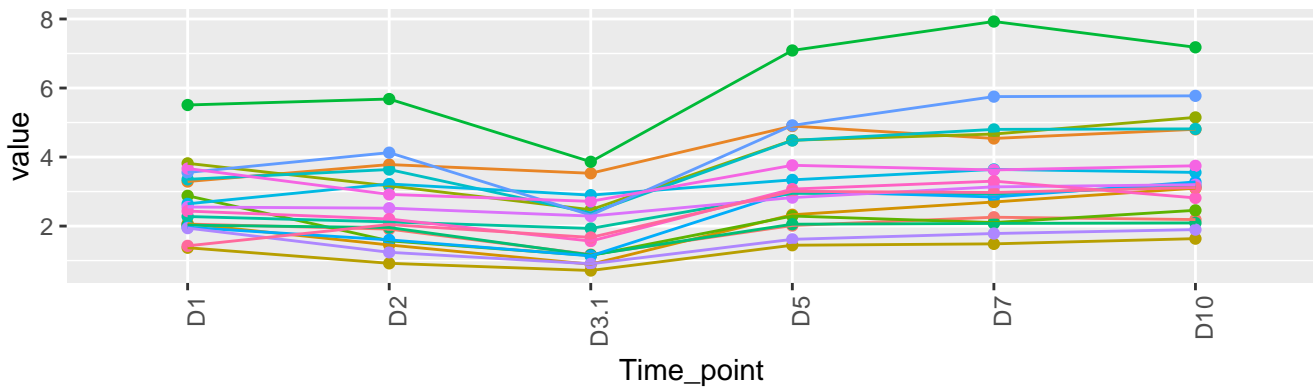
18 genes – WT-cluster-151-original



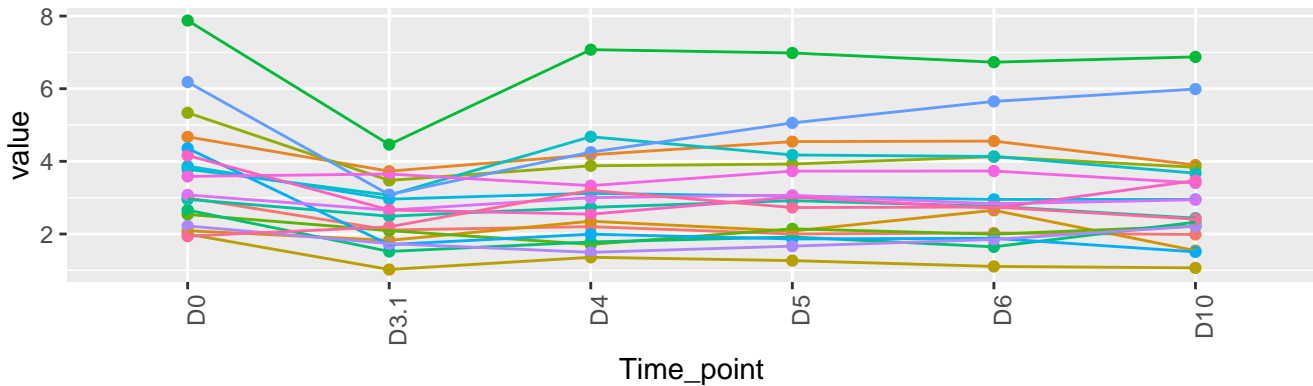
18 genes – KO-cluster-151-original



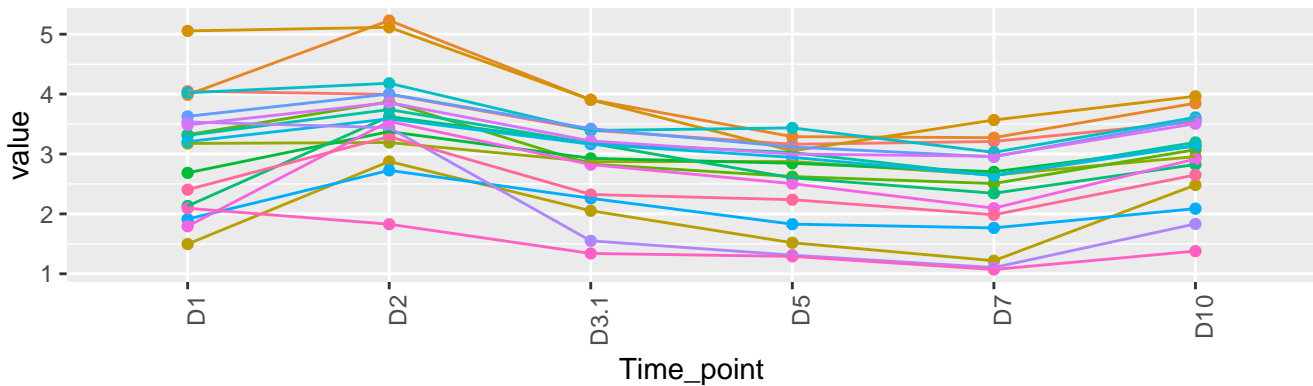
18 genes – WT-cluster-150-original



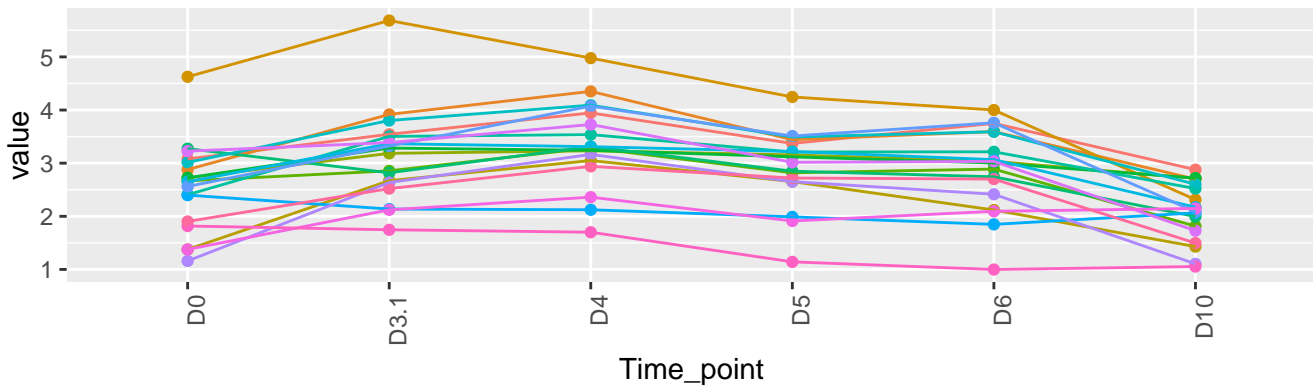
18 genes – KO-cluster-150-original



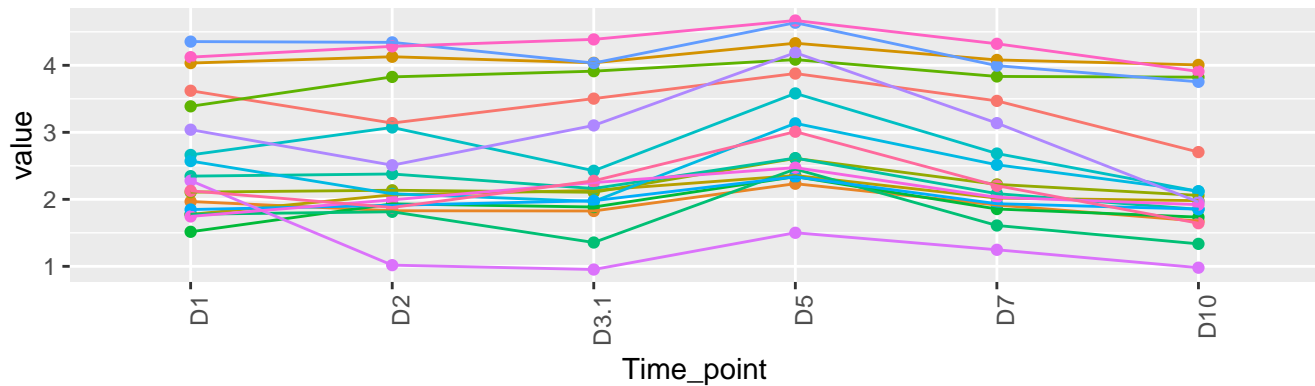
18 genes – WT-cluster-149-original



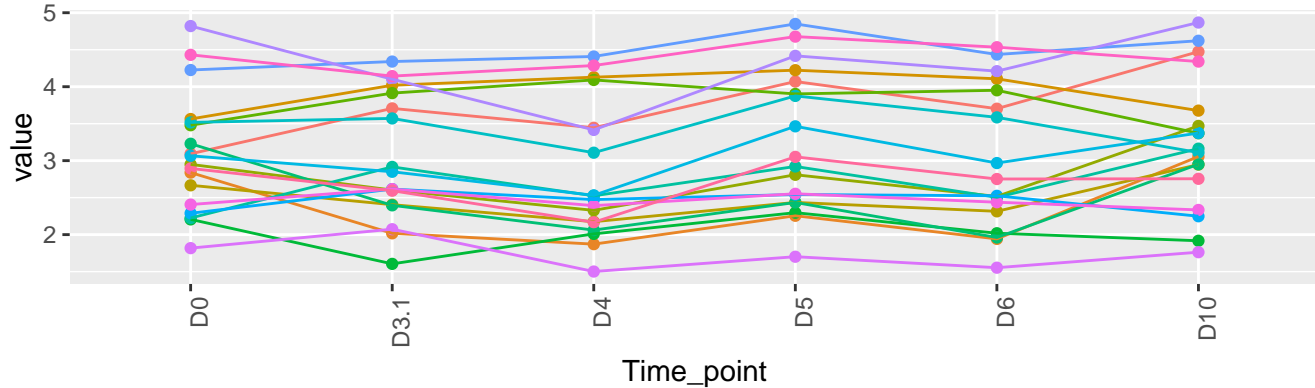
18 genes – KO-cluster-149-original



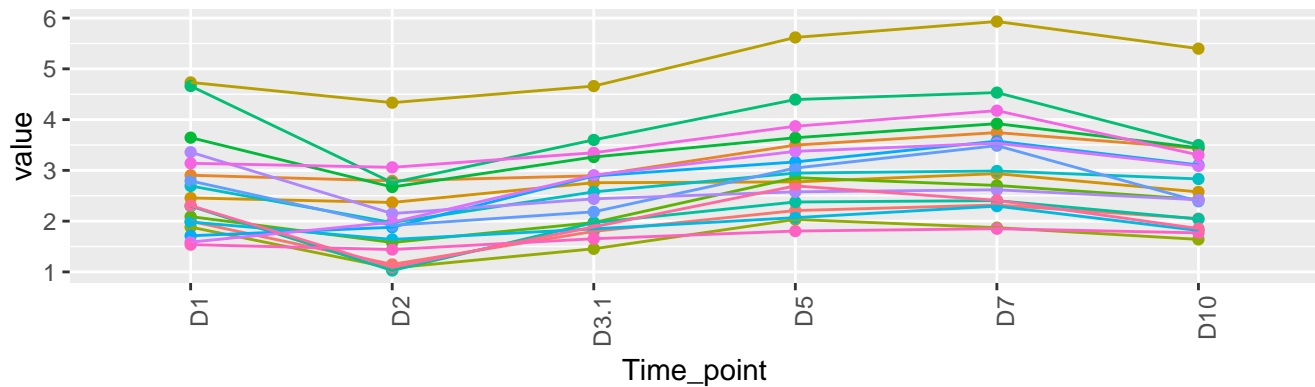
18 genes – WT-cluster-148-original



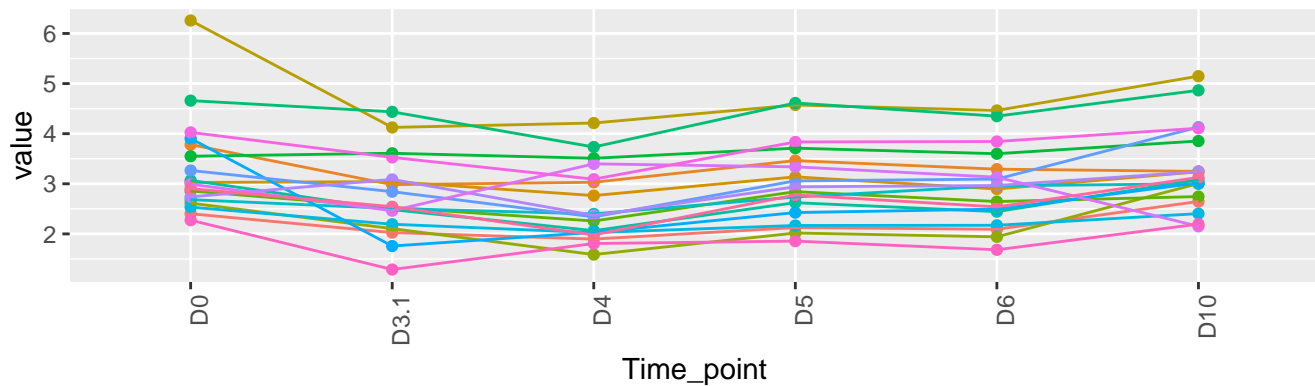
18 genes – KO-cluster-148-original



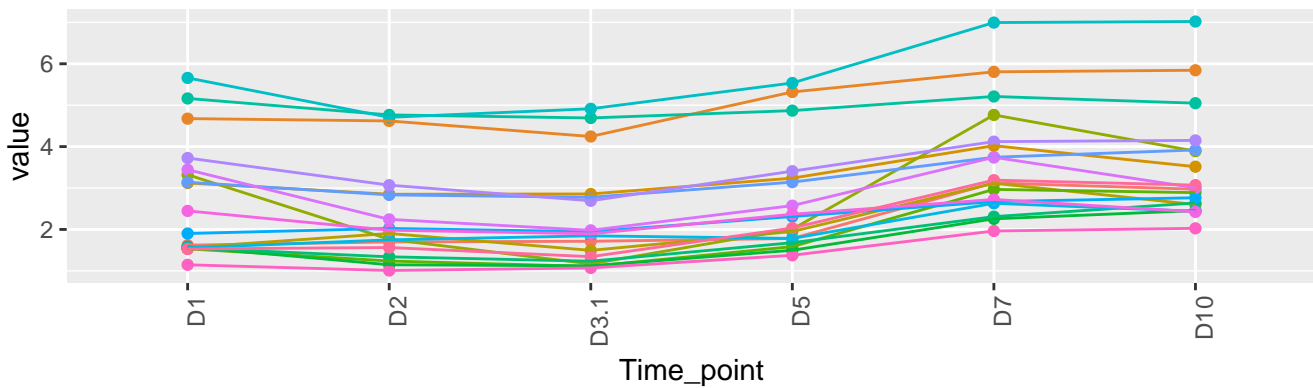
18 genes – WT-cluster-147-original



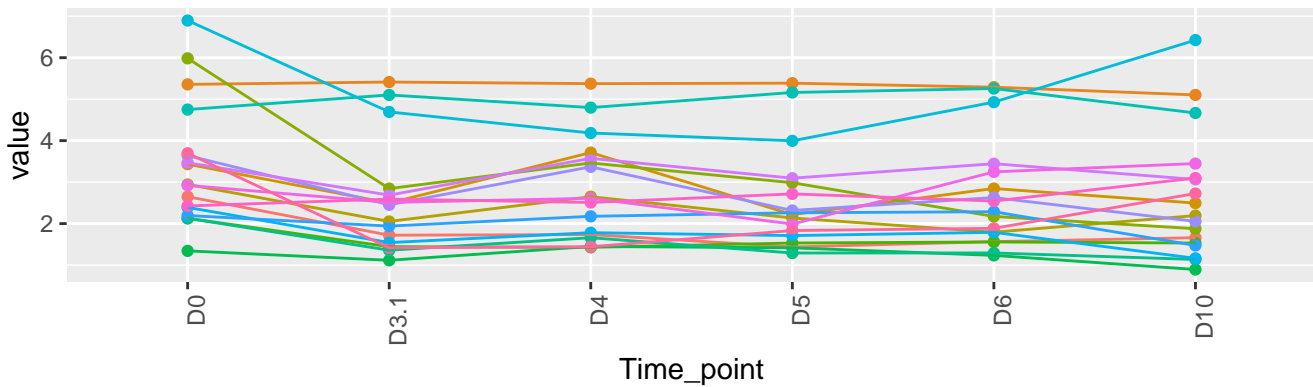
18 genes – KO-cluster-147-original



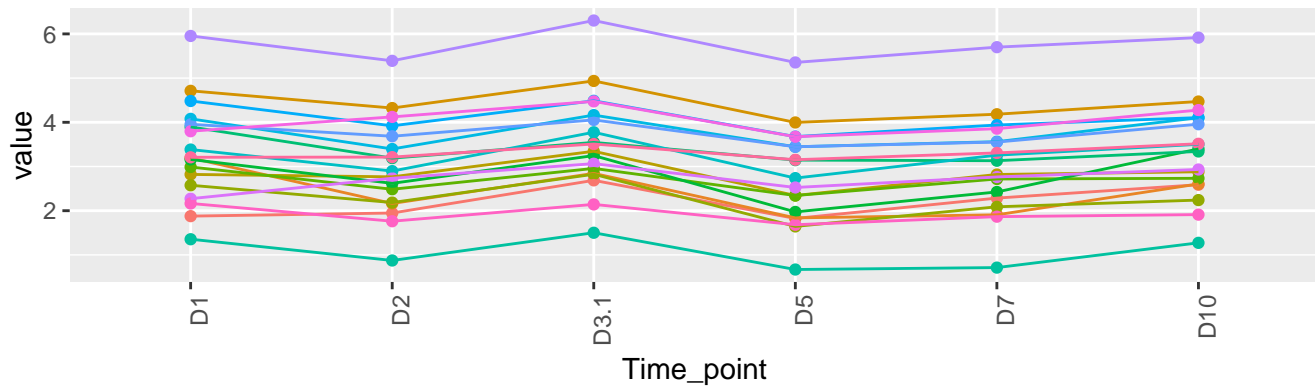
18 genes – WT-cluster-146-original



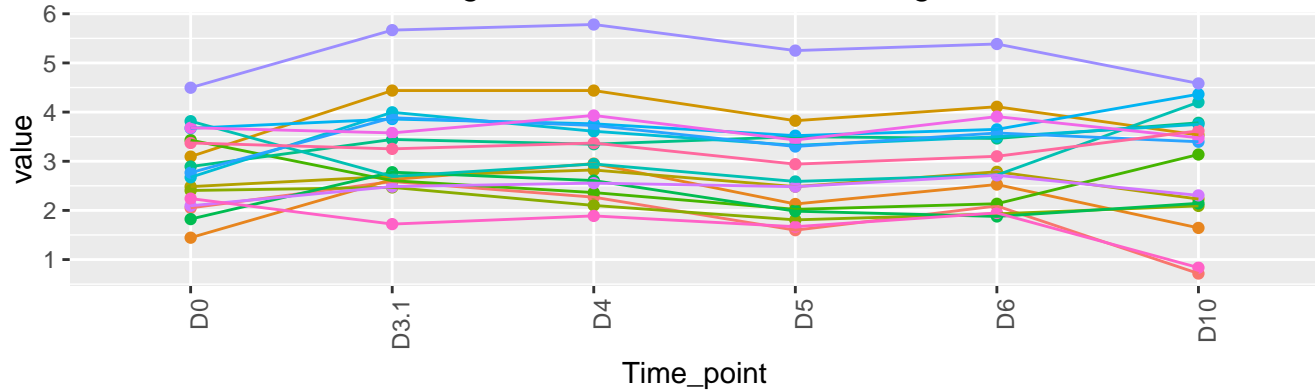
17 genes – KO-cluster-146-original



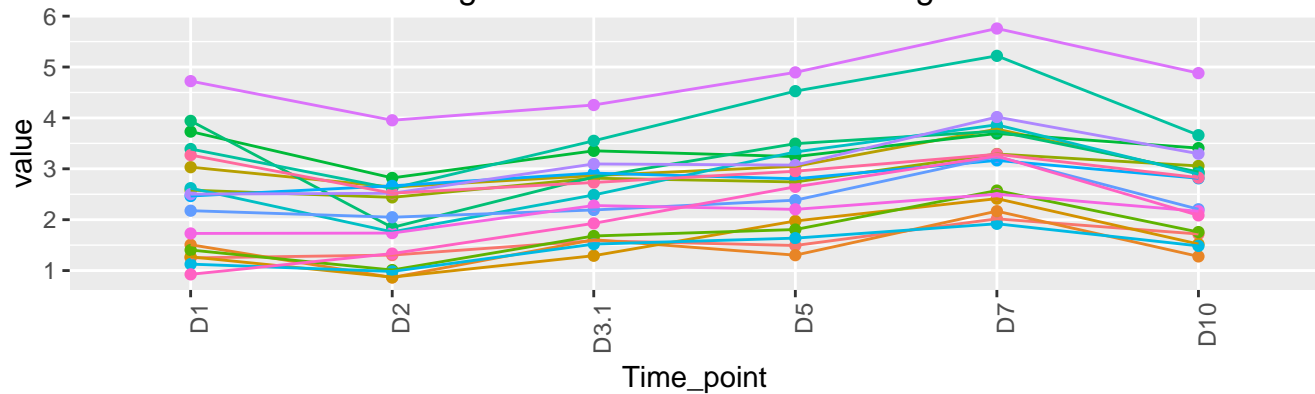
18 genes – WT-cluster-145-original



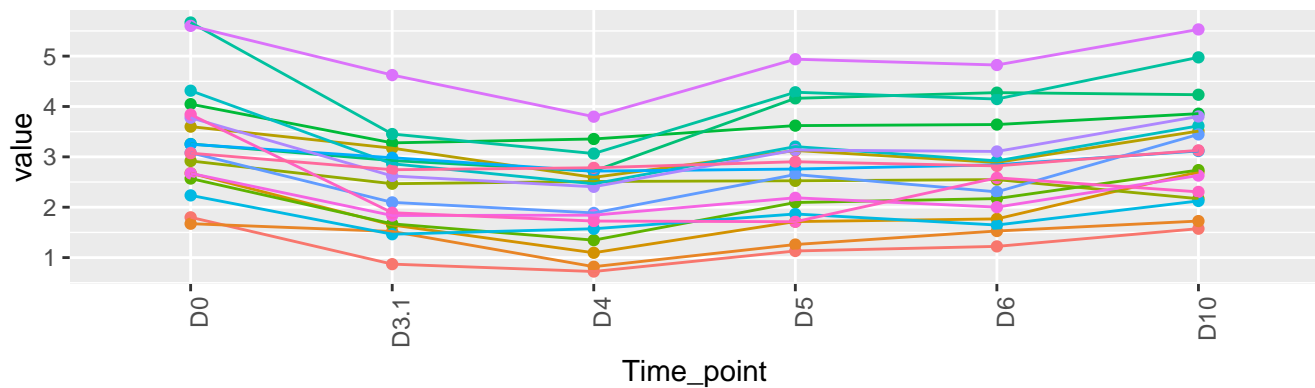
17 genes – KO-cluster-145-original



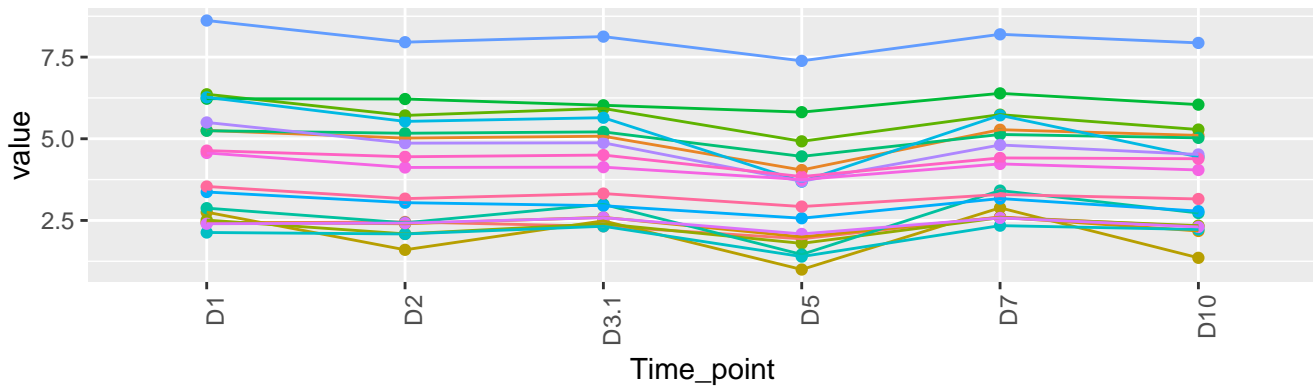
18 genes – WT-cluster-144-original



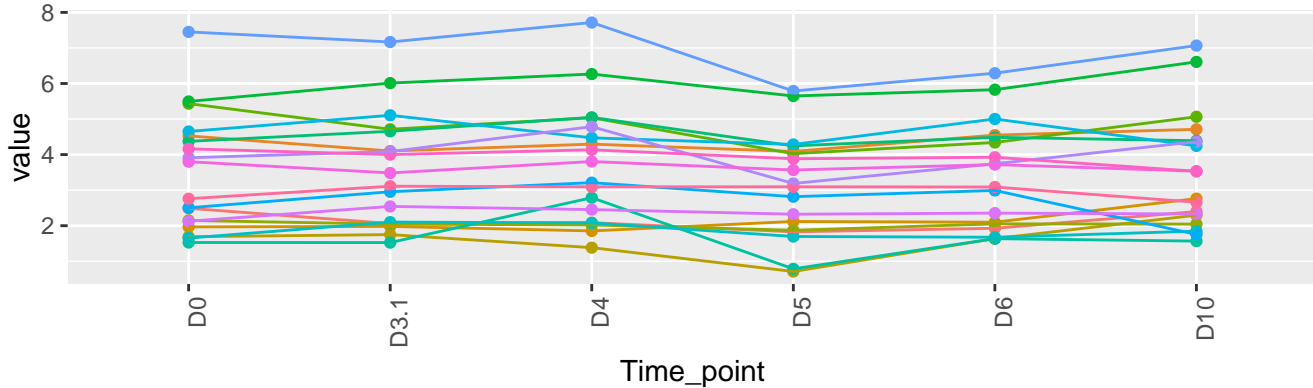
18 genes – KO-cluster-144-original



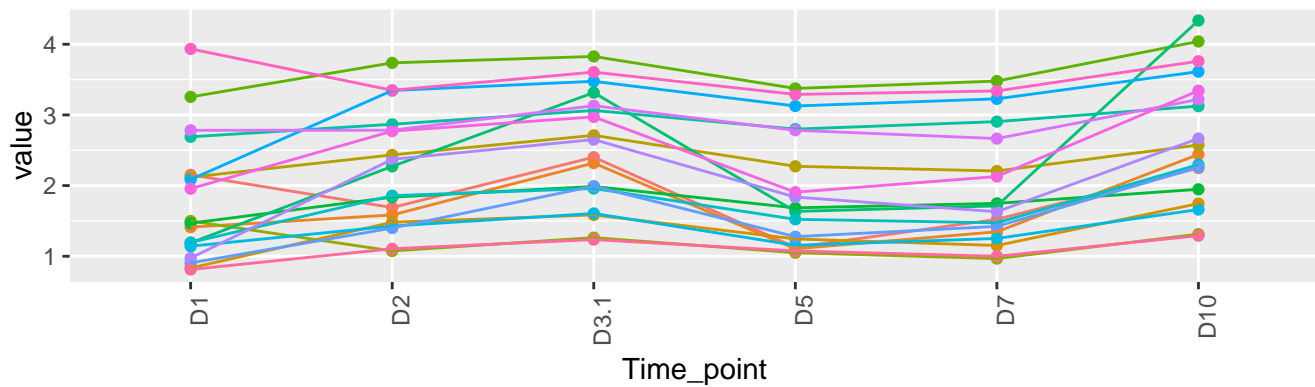
18 genes – WT-cluster-143-original



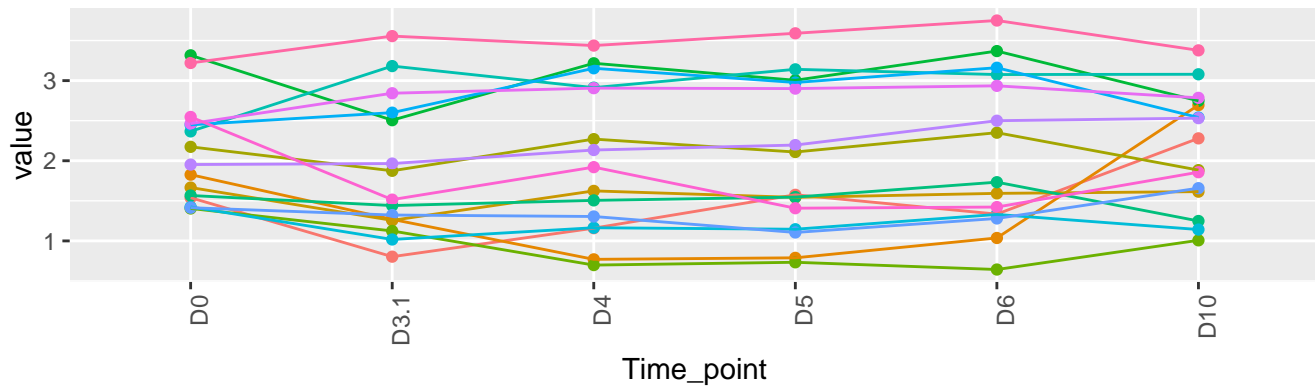
18 genes – KO-cluster-143-original



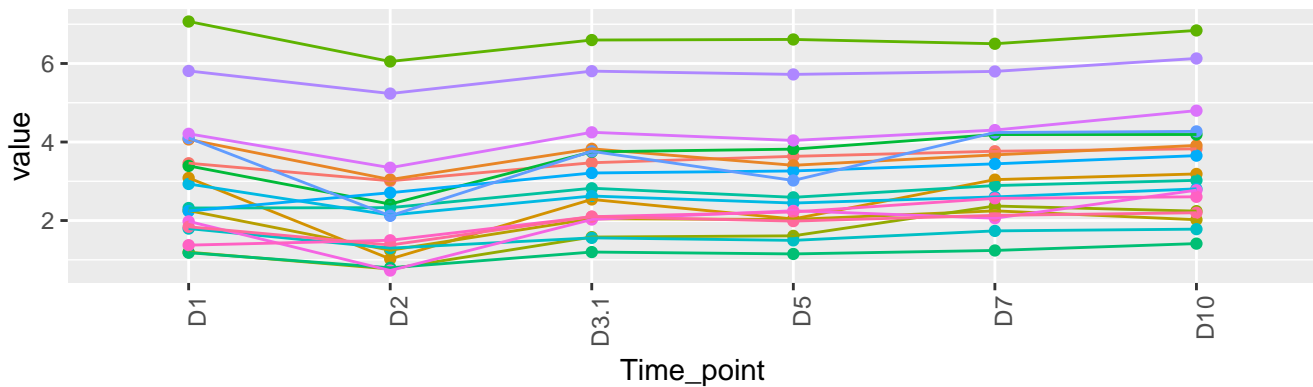
18 genes – WT-cluster-142-original



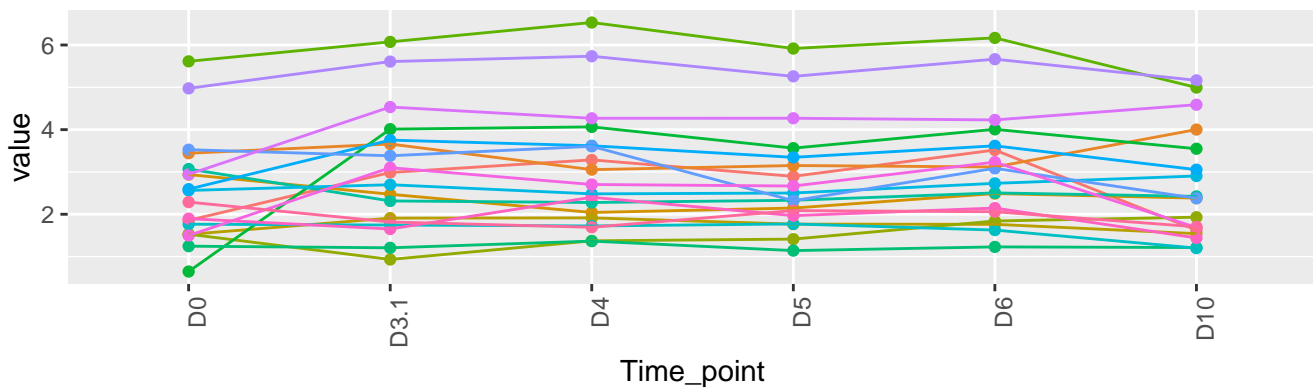
15 genes – KO-cluster-142-original



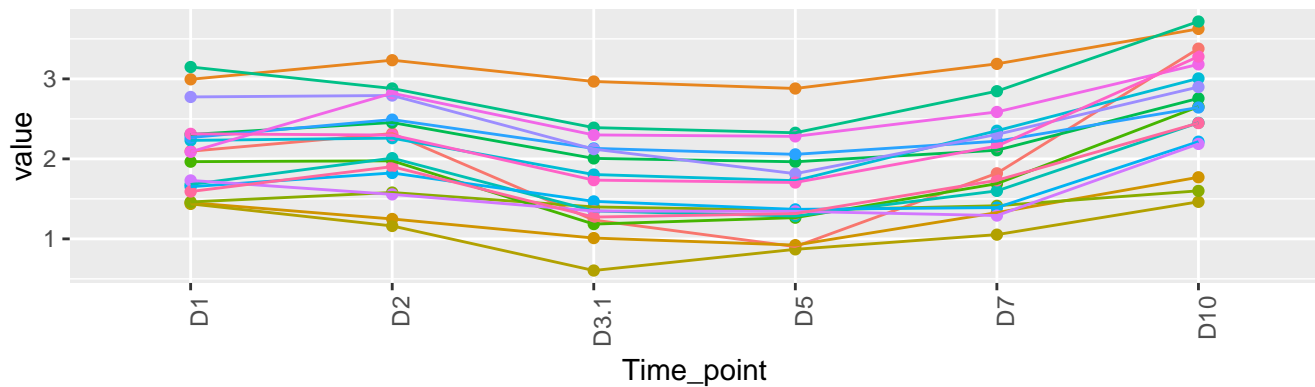
18 genes – WT-cluster-141-original



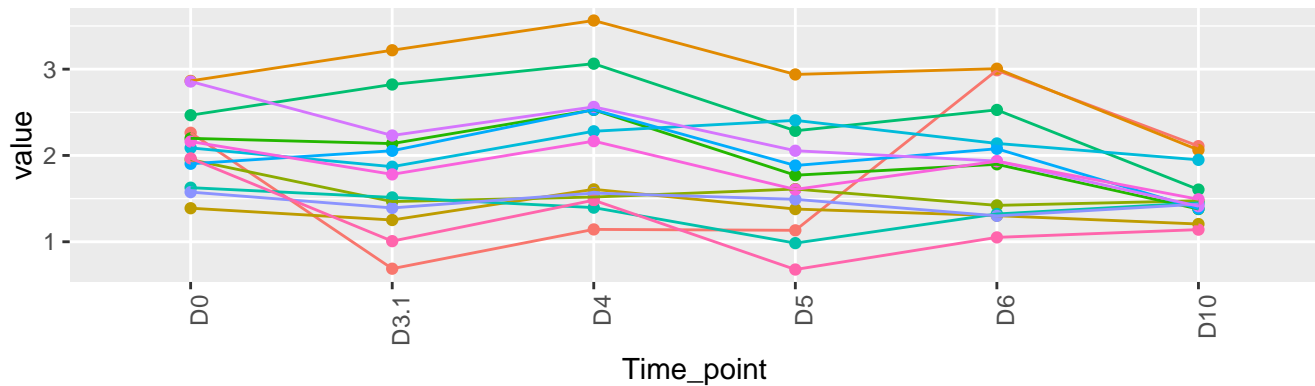
18 genes – KO-cluster-141-original



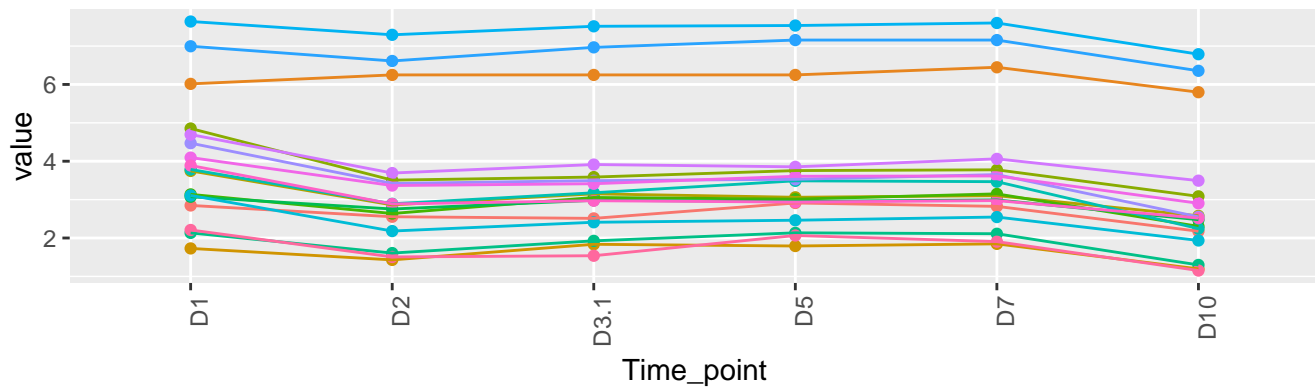
17 genes – WT-cluster-140-original



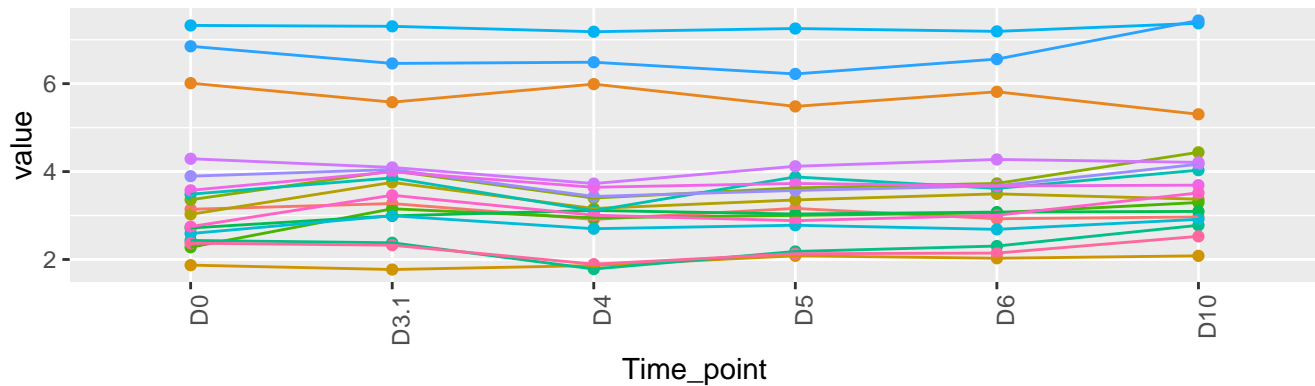
13 genes – KO-cluster-140-original



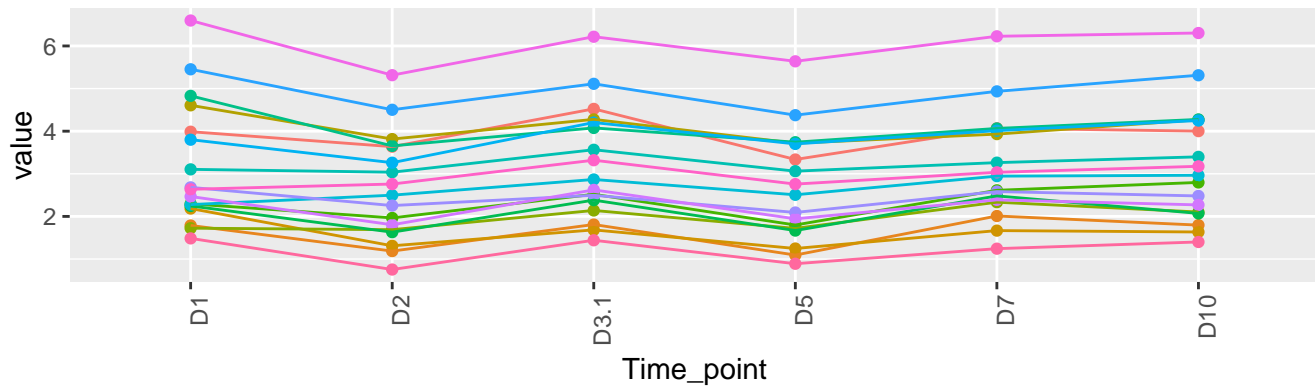
17 genes – WT-cluster-139-original



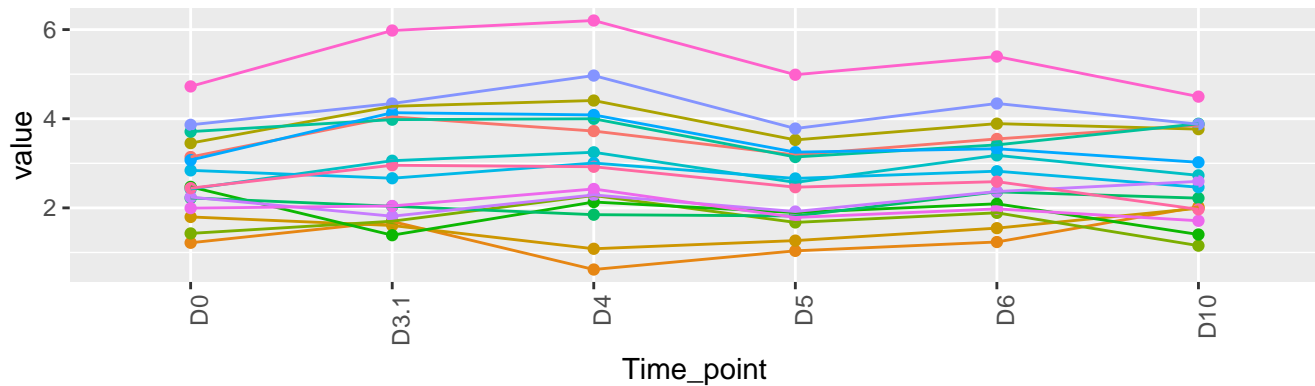
17 genes – KO-cluster-139-original



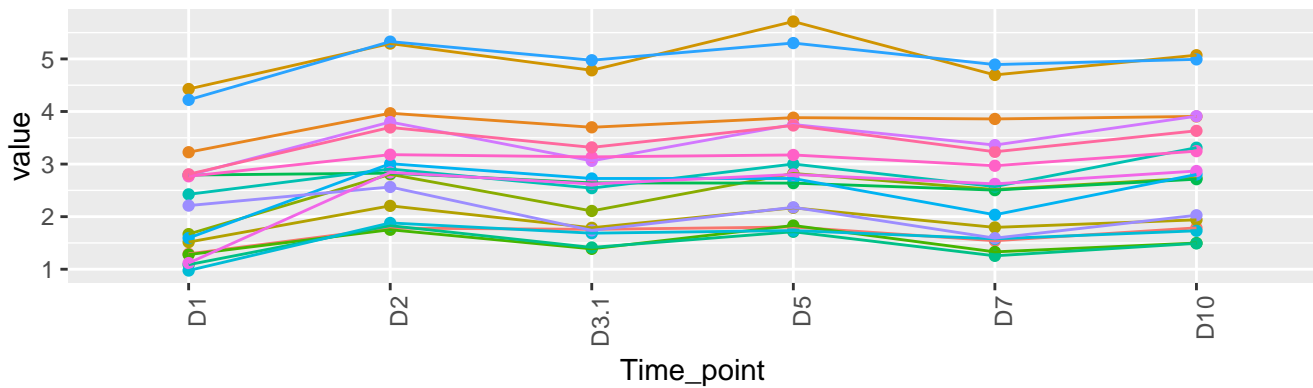
17 genes – WT-cluster-138-original



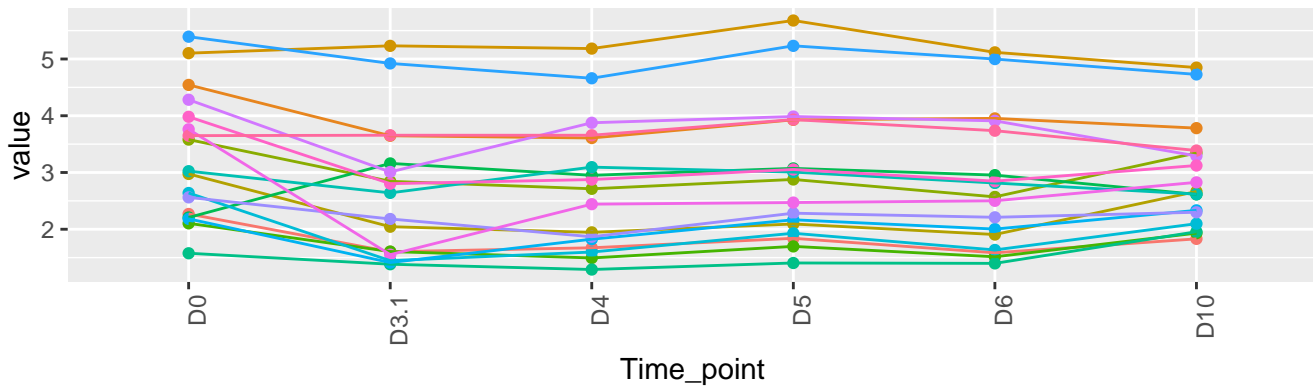
16 genes – KO-cluster-138-original



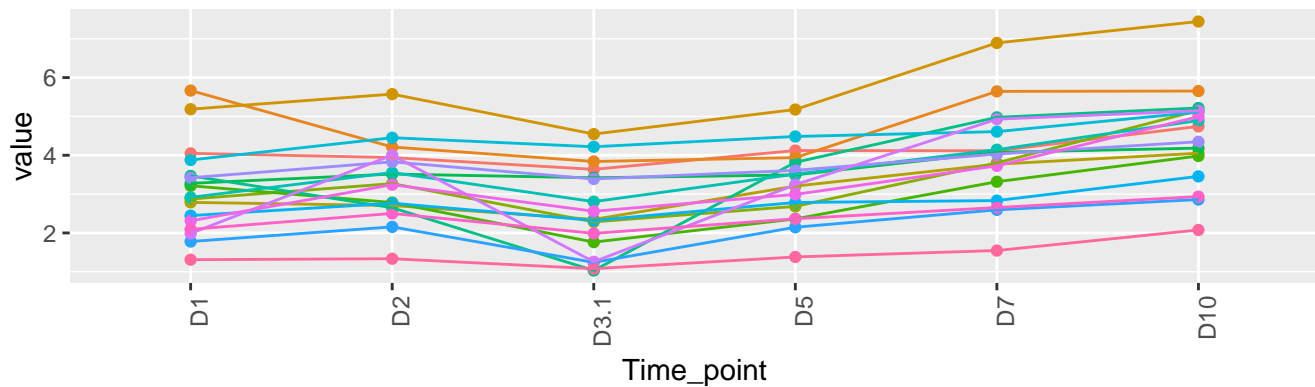
17 genes – WT-cluster-137-original



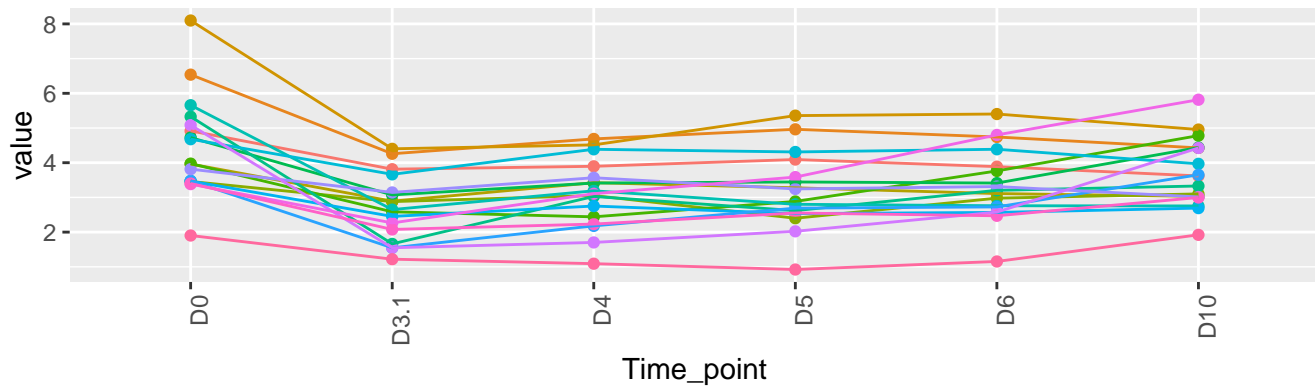
17 genes – KO-cluster-137-original



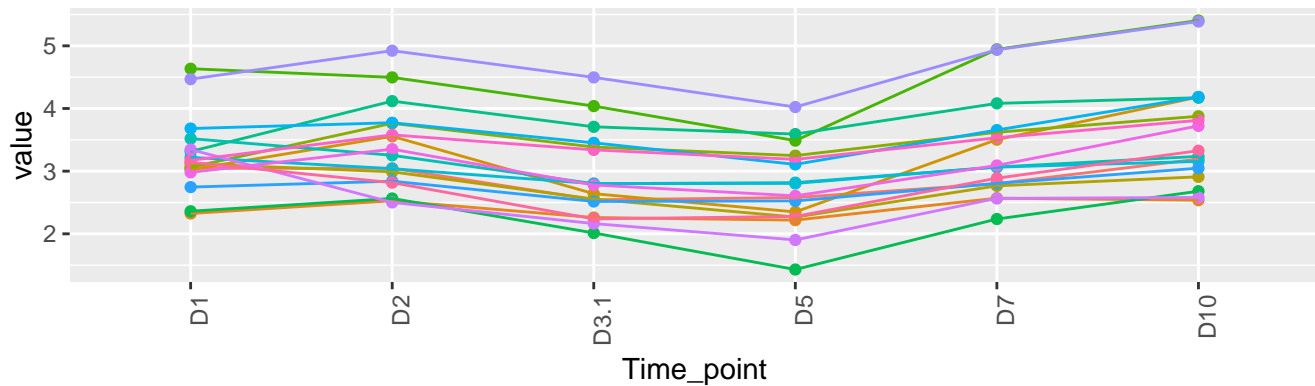
17 genes – WT-cluster-136-original



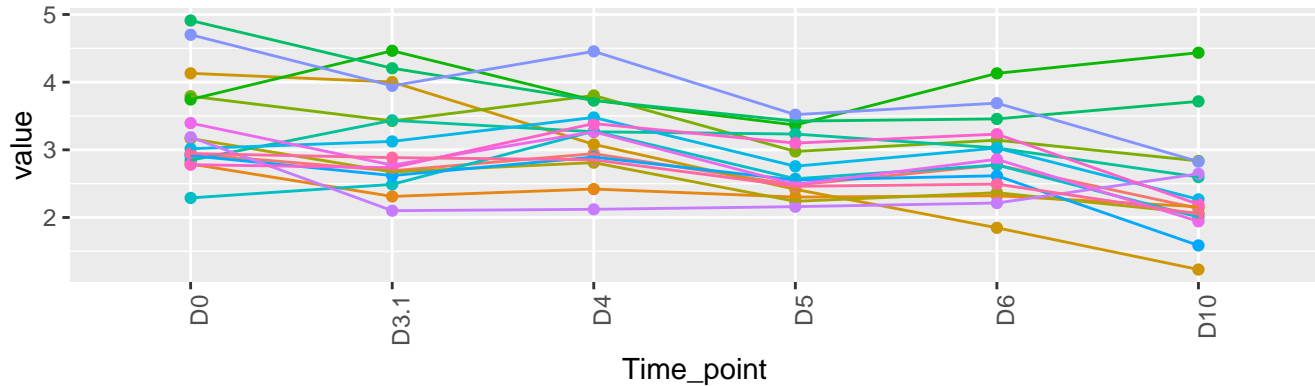
17 genes – KO-cluster-136-original



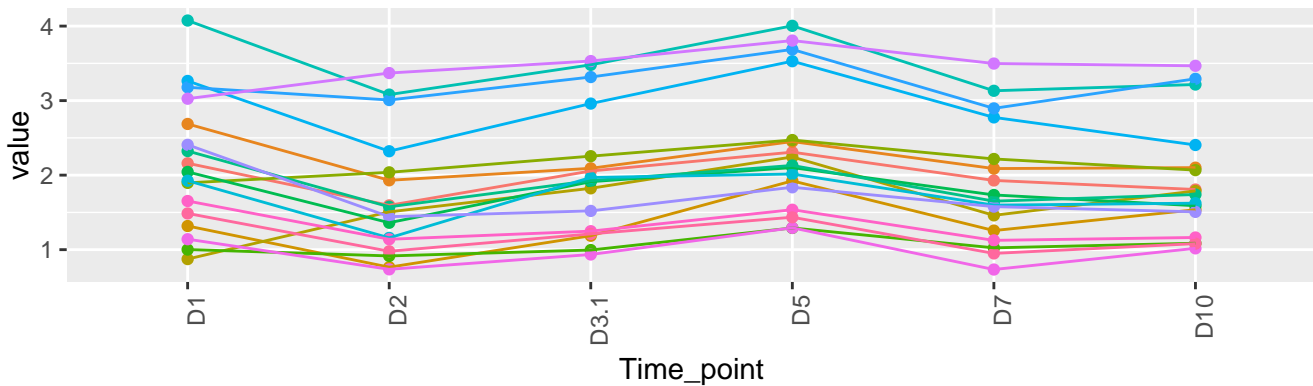
17 genes – WT-cluster-135-original



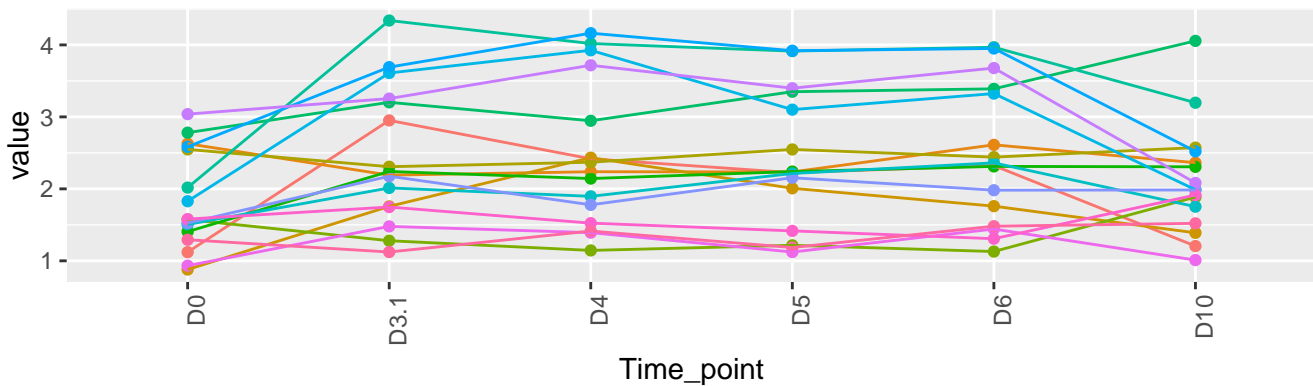
16 genes – KO-cluster-135-original



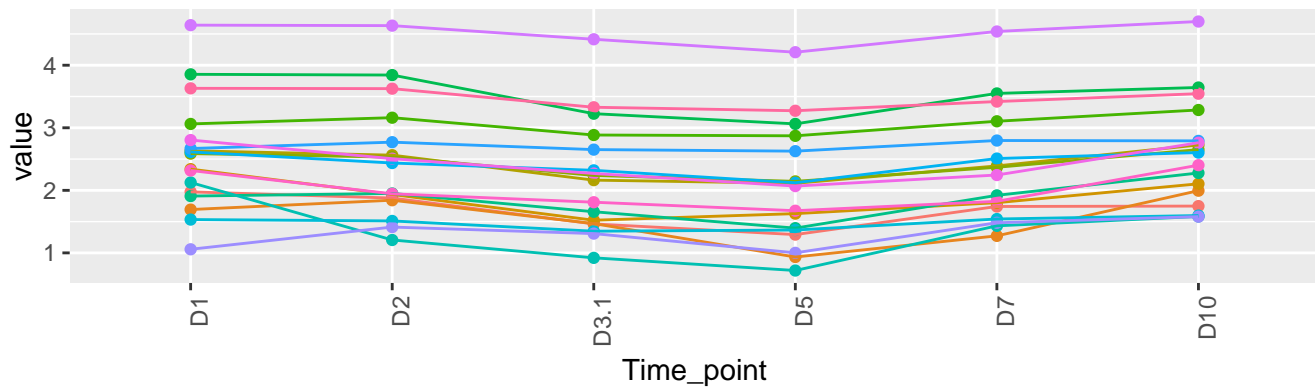
17 genes – WT-cluster-134-original



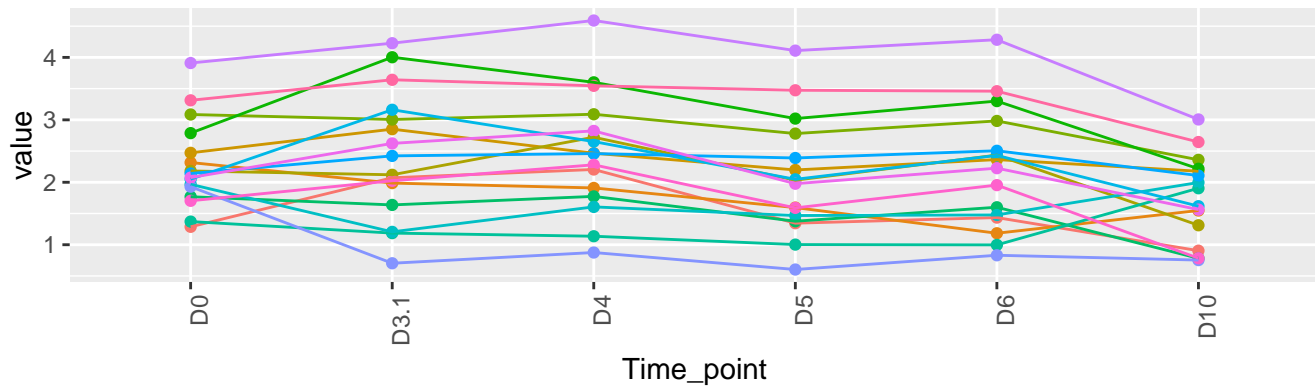
16 genes – KO-cluster-134-original



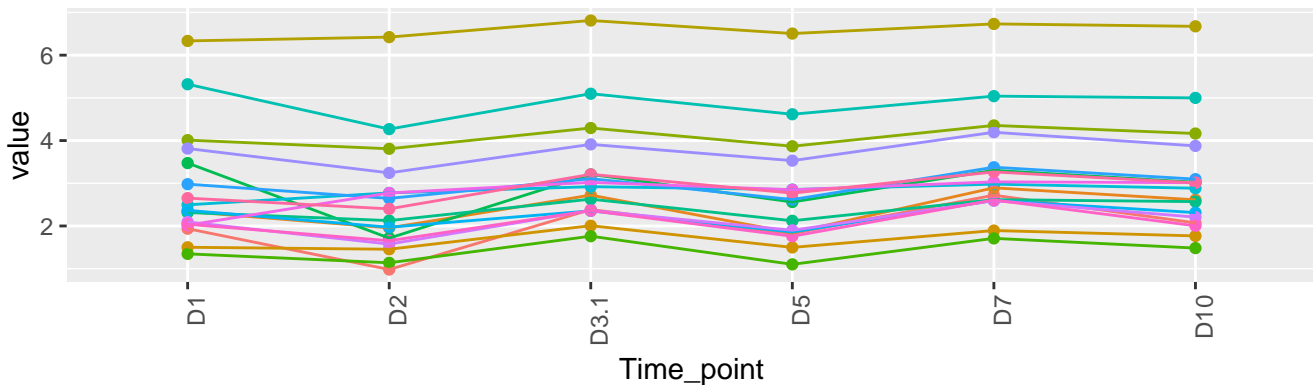
17 genes – WT-cluster-133-original



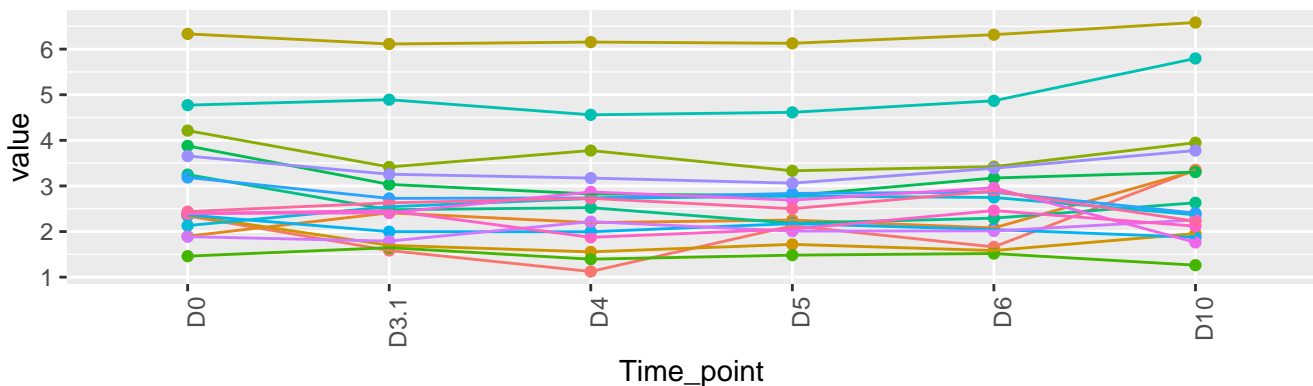
16 genes – KO-cluster-133-original



17 genes – WT-cluster-132-original



17 genes – KO-cluster-132-original

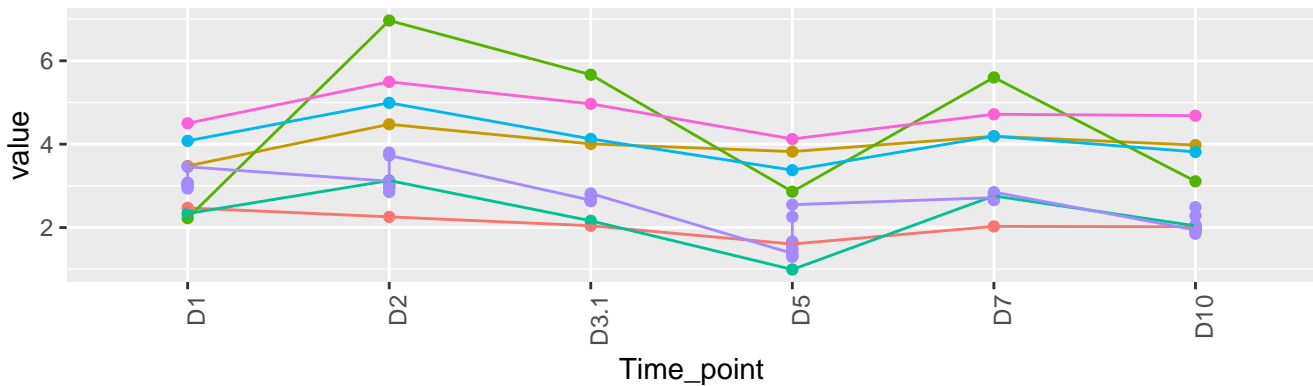


The graph displays 15 metrics over six time points. The metrics are represented by colored lines with circular markers. The x-axis is labeled 'Time_point' and the y-axis is labeled 'Metric'. The metrics show various trends, with some increasing and others decreasing over time.

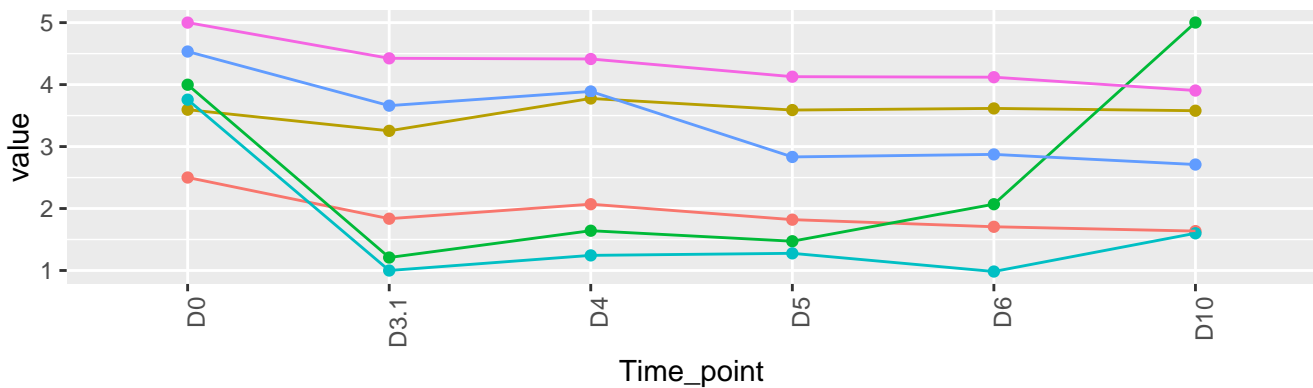
The graph displays the evolution of 10 metrics over time. The x-axis represents time points: D0, D3.1, D4, D5, D6, and D10. The y-axis represents the metric values. The metrics are represented by colored lines with circular markers. The metrics show various trends: some increase, some decrease, and some remain relatively stable.

Metric	D0	D3.1	D4	D5	D6	D10
Metric 1 (Blue)	0.95	0.85	0.88	0.92	0.92	1.00
Metric 2 (Green)	0.85	0.85	0.82	0.88	0.88	0.95
Metric 3 (Orange)	0.85	0.85	0.85	0.88	0.90	0.85
Metric 4 (Purple)	0.82	0.82	0.82	0.82	0.82	0.88
Metric 5 (Brown)	0.82	0.78	0.82	0.85	0.85	0.92
Metric 6 (Pink)	0.78	0.78	0.78	0.82	0.82	0.88
Metric 7 (Magenta)	0.75	0.75	0.75	0.78	0.78	0.85
Metric 8 (Cyan)	0.72	0.72	0.72	0.75	0.75	0.82
Metric 9 (Teal)	0.70	0.70	0.70	0.72	0.72	0.78
Metric 10 (Red)	0.68	0.68	0.68	0.70	0.70	0.75

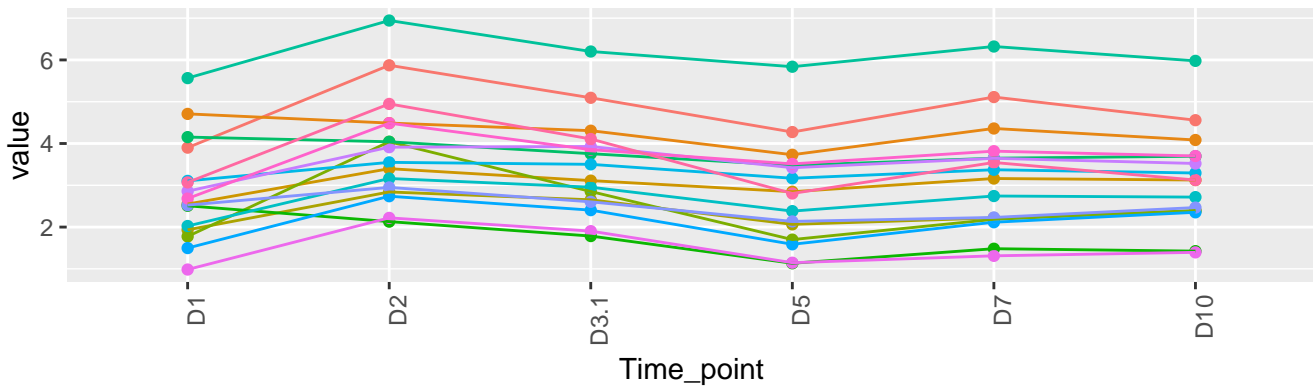
16 genes – WT-cluster-130-original



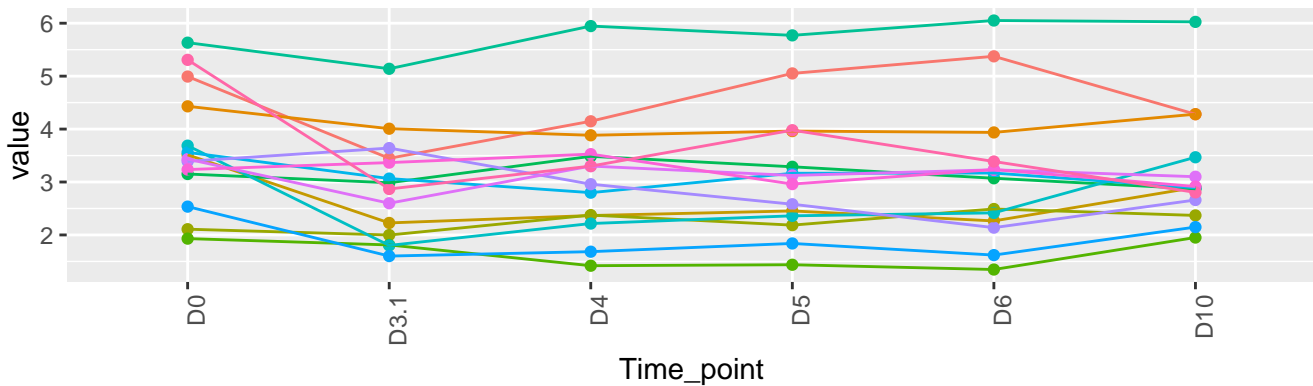
6 genes – KO-cluster-130-original



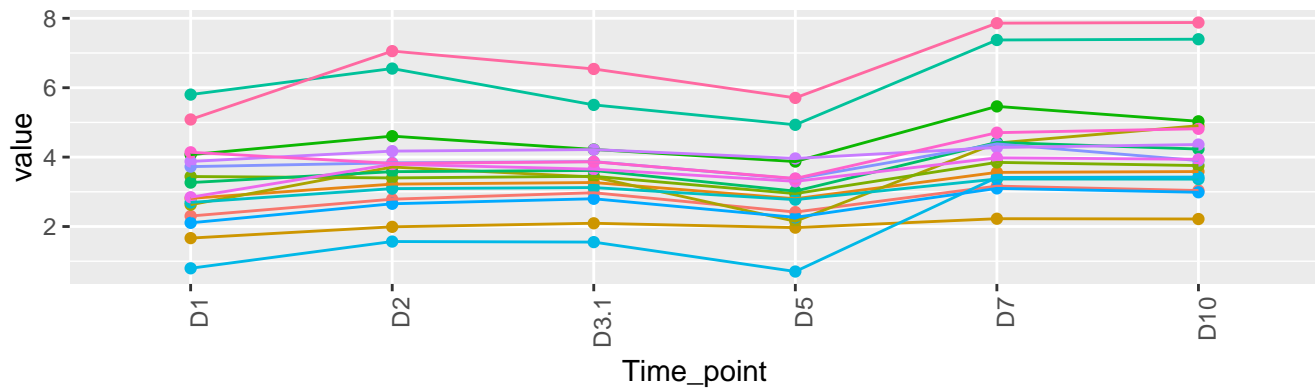
16 genes – WT-cluster-129-original



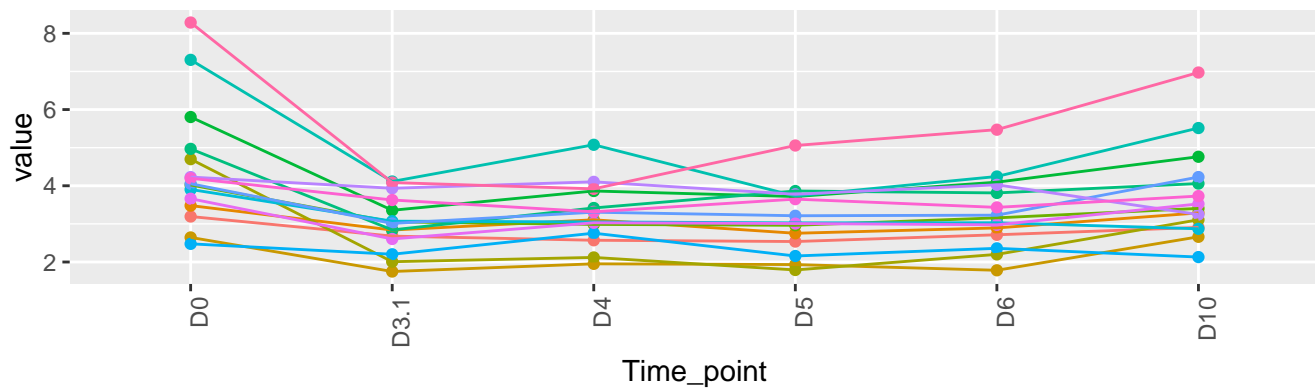
14 genes – KO-cluster-129-original



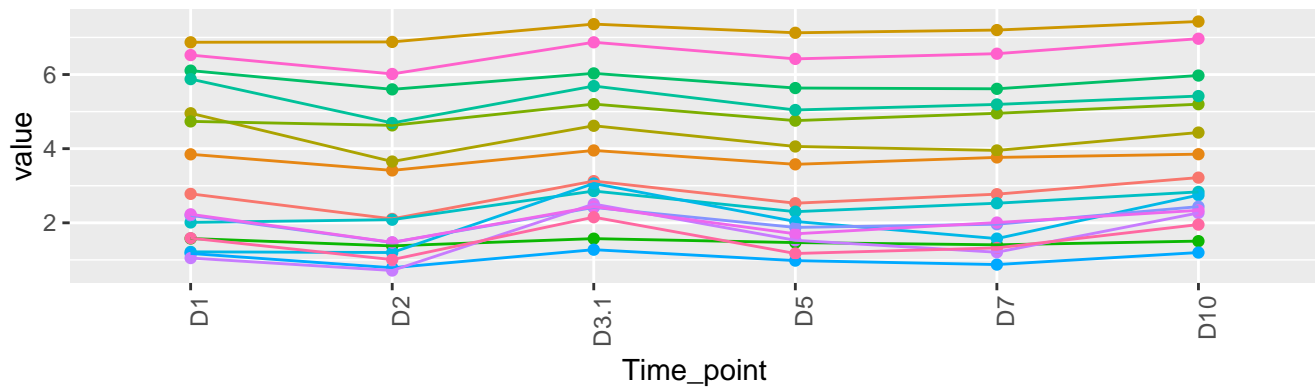
16 genes – WT-cluster-128-original



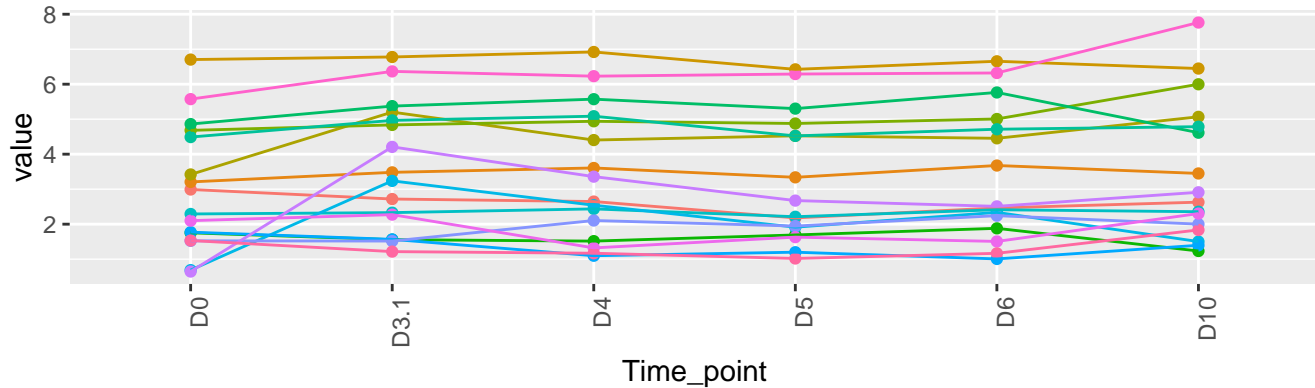
15 genes – KO-cluster-128-original



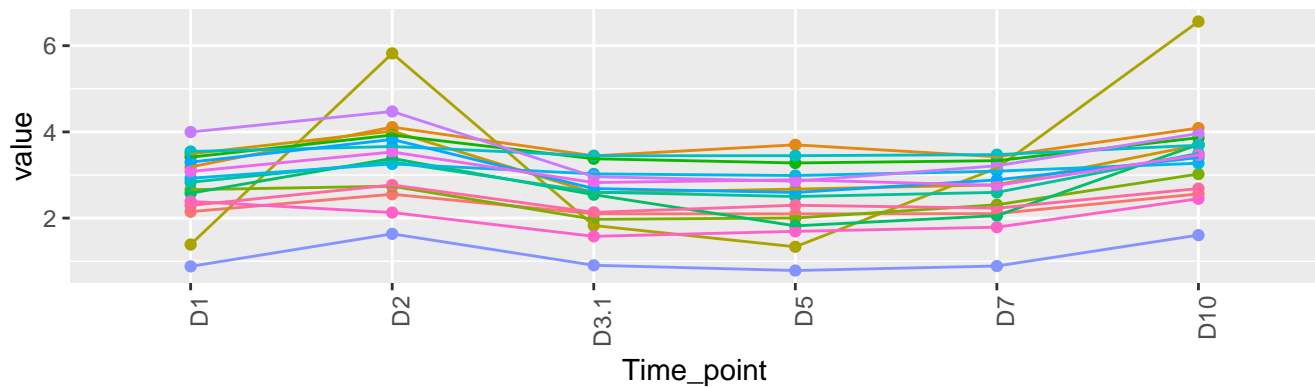
16 genes – WT-cluster-127-original



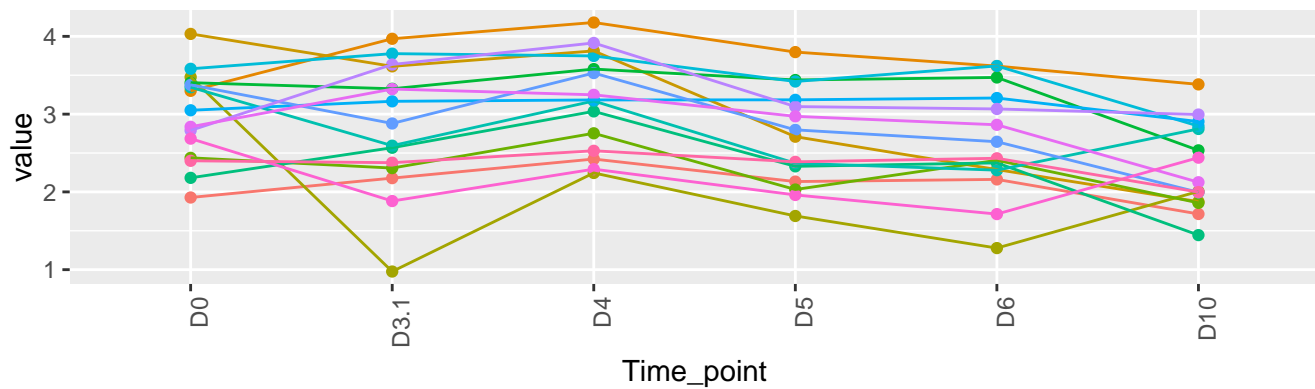
16 genes – KO-cluster-127-original



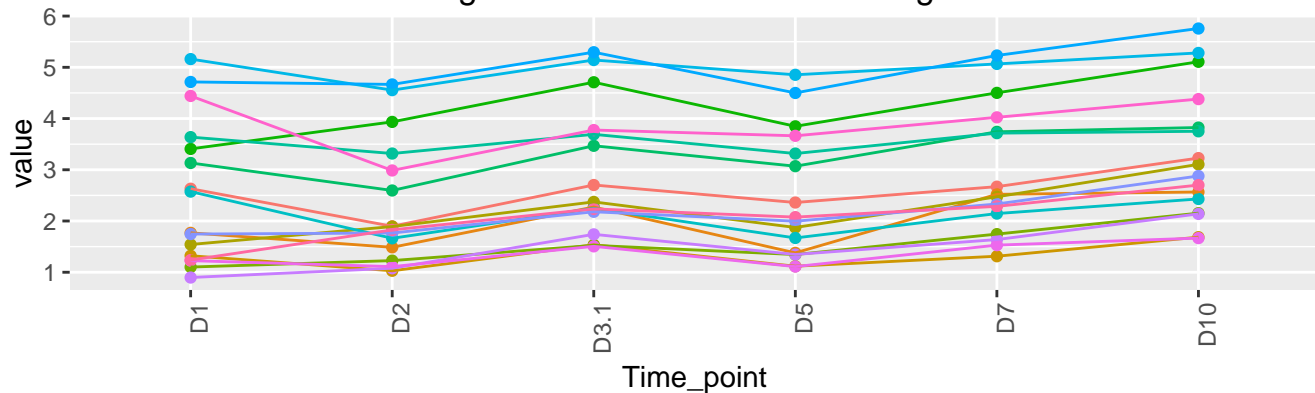
16 genes – WT-cluster-126-original



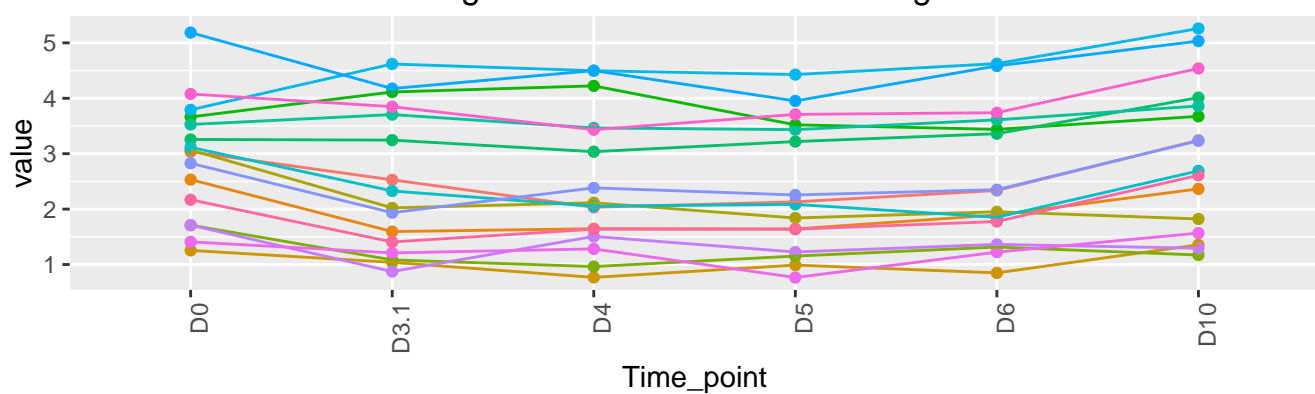
15 genes – KO-cluster-126-original



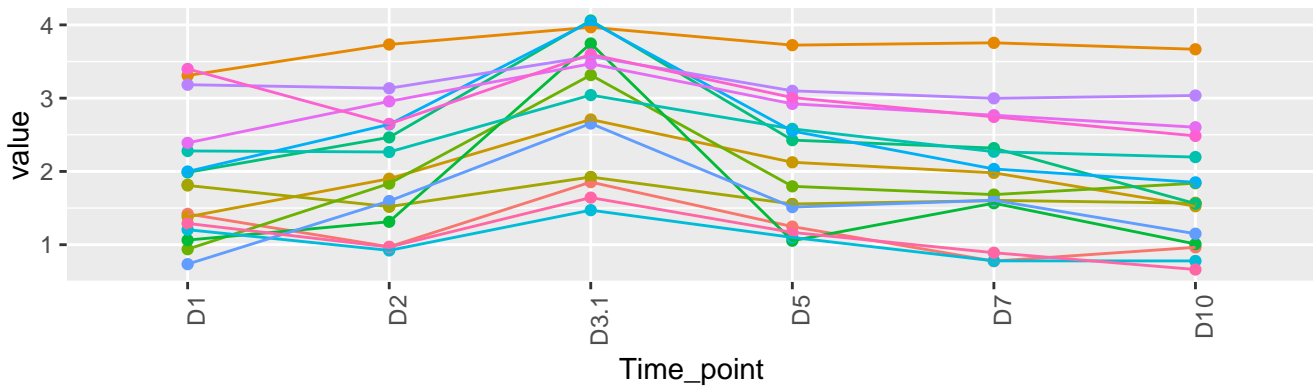
16 genes – WT-cluster-125-original



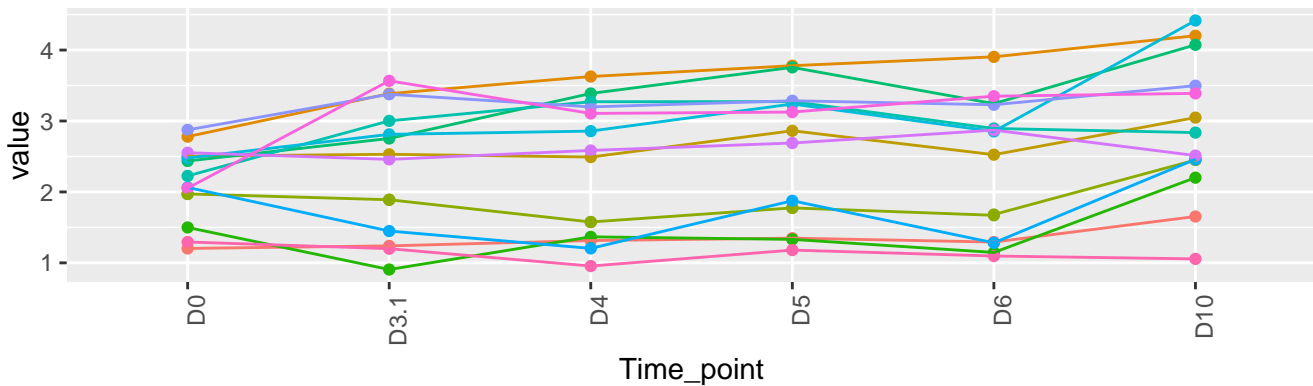
16 genes – KO-cluster-125-original



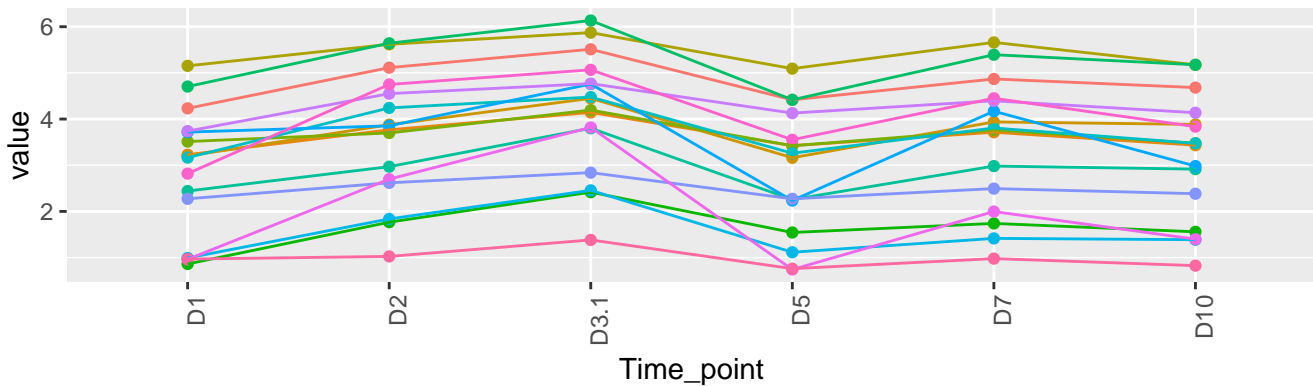
16 genes – WT-cluster-124-original



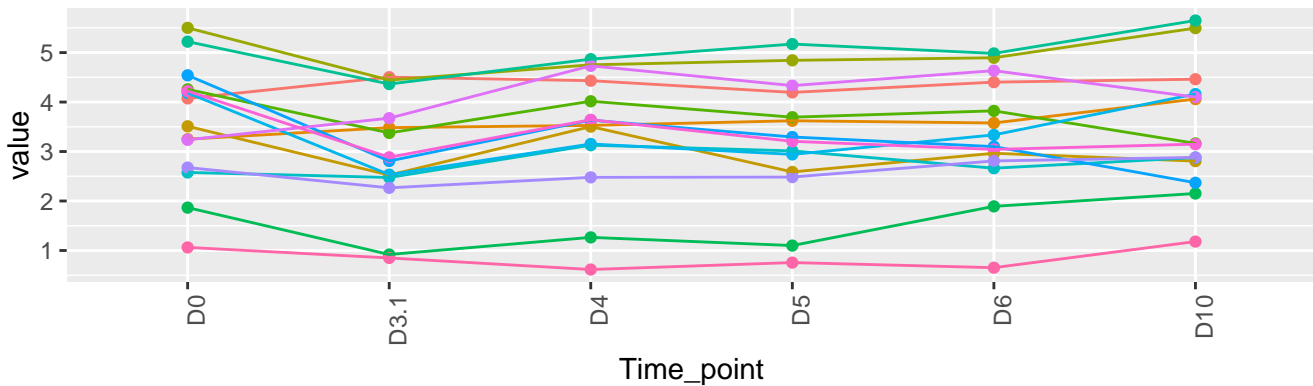
14 genes – KO-cluster-124-original



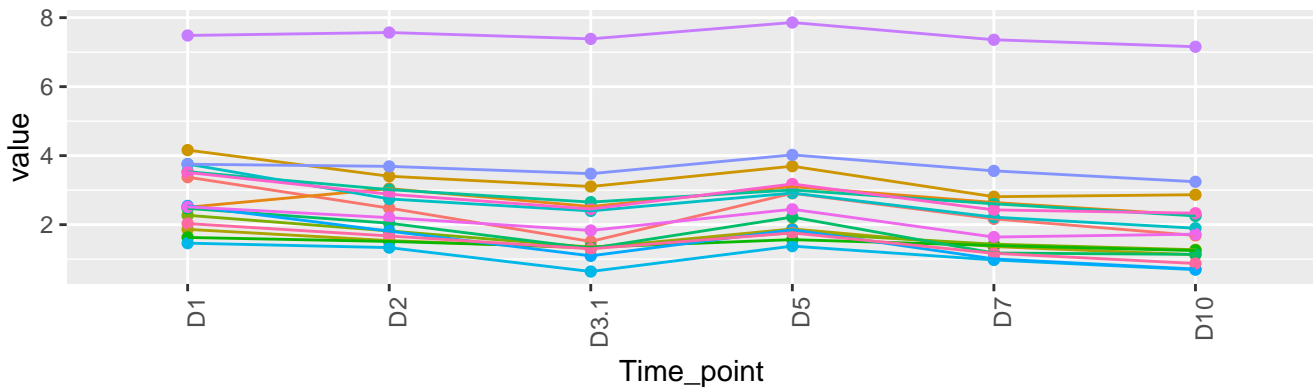
16 genes – WT-cluster-123-original



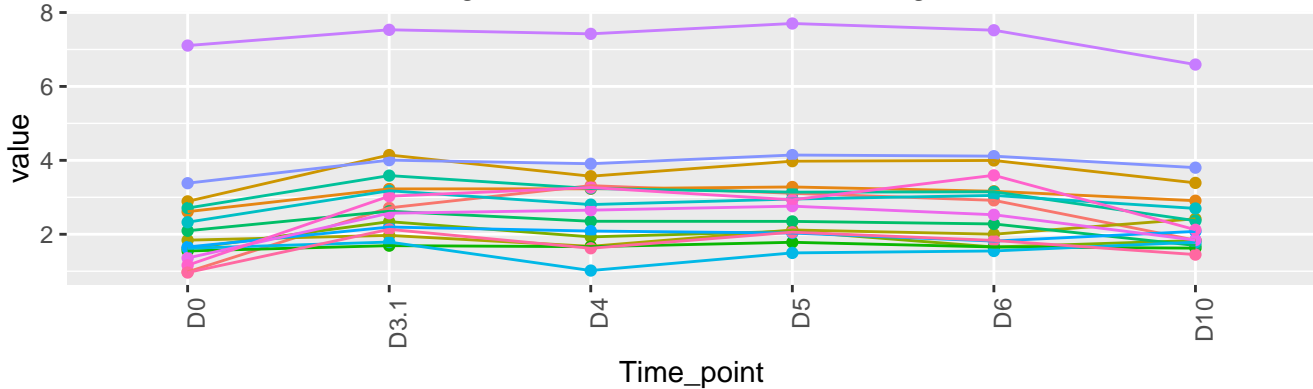
14 genes – KO-cluster-123-original



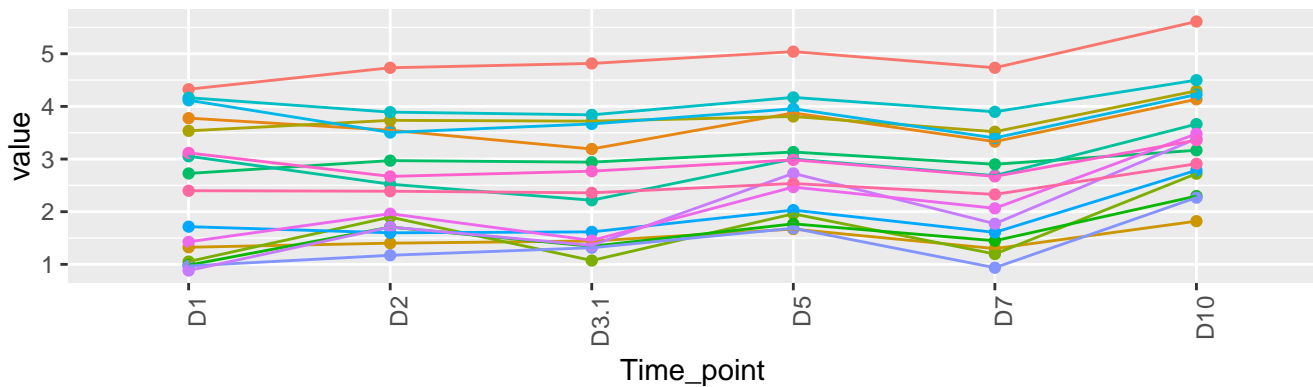
16 genes – WT-cluster-122-original



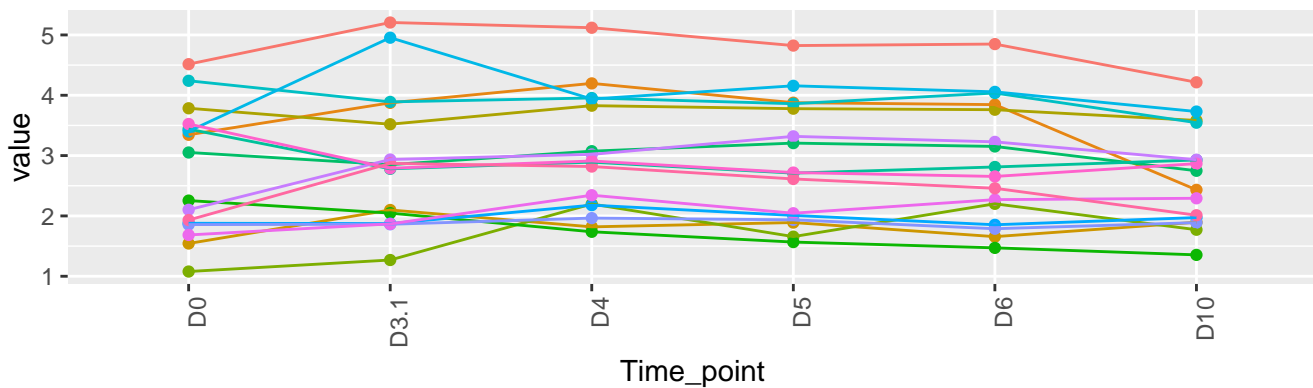
16 genes – KO-cluster-122-original



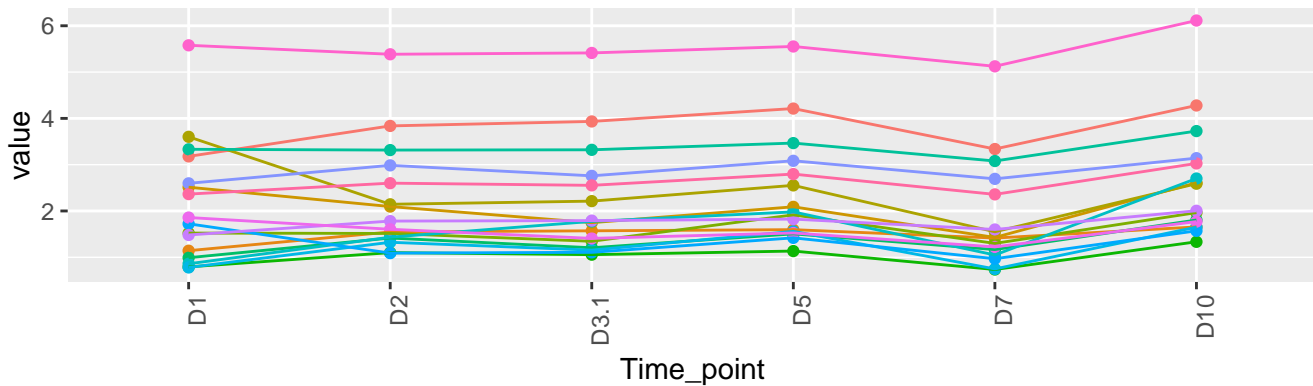
16 genes – WT-cluster-121-original



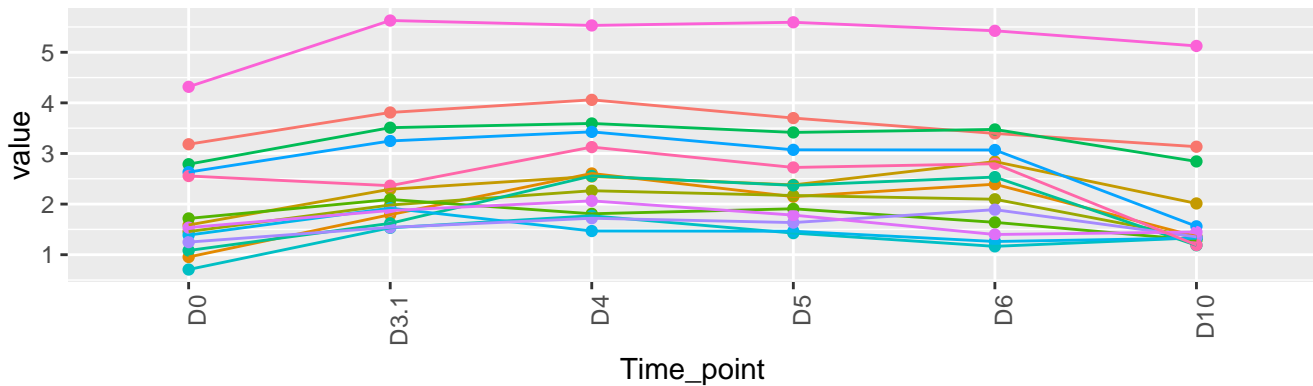
16 genes – KO-cluster-121-original



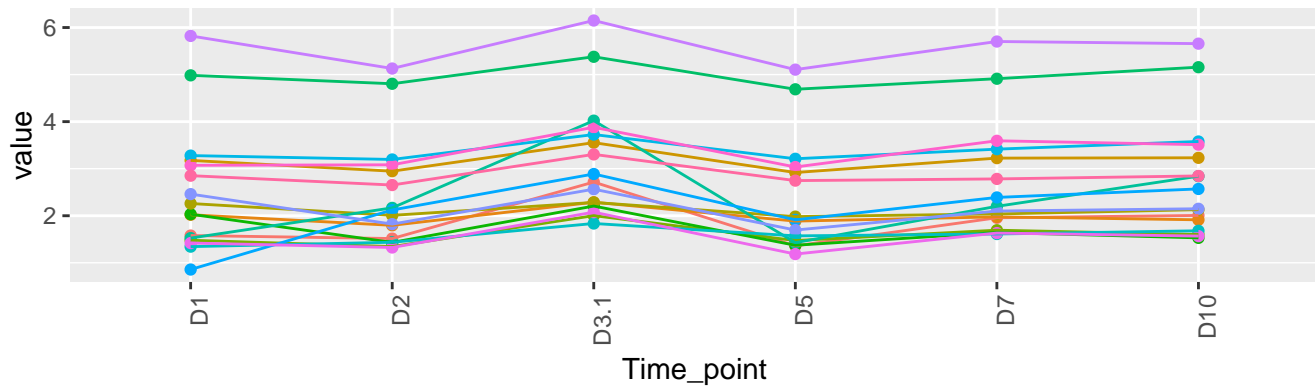
16 genes – WT-cluster-120-original



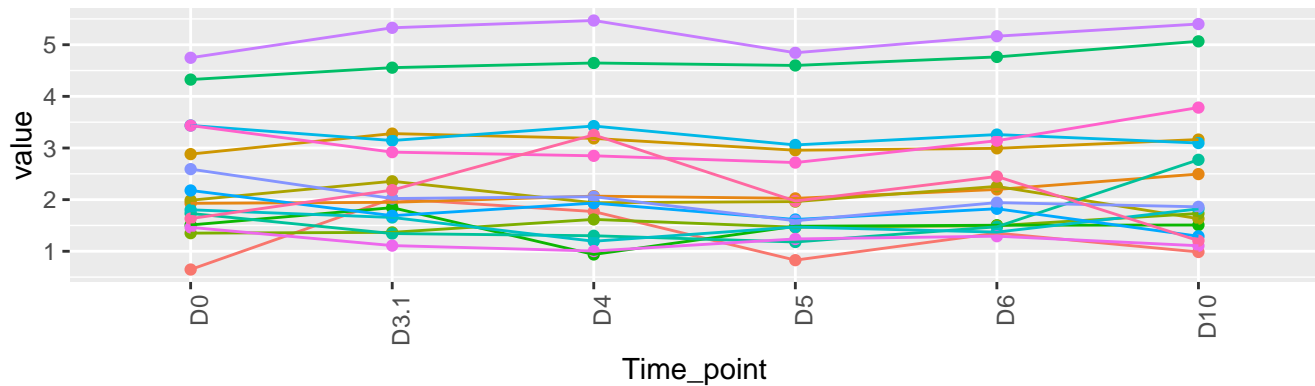
14 genes – KO-cluster-120-original



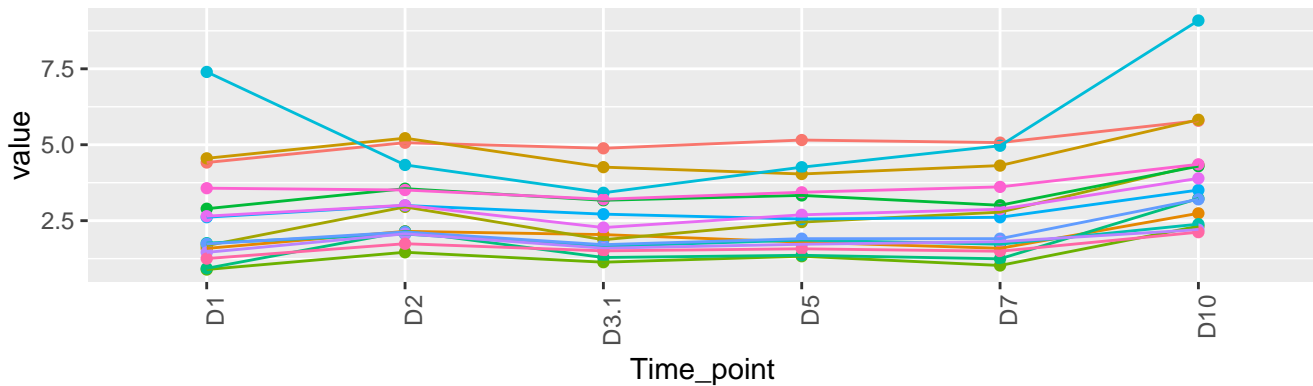
16 genes – WT-cluster-119-original



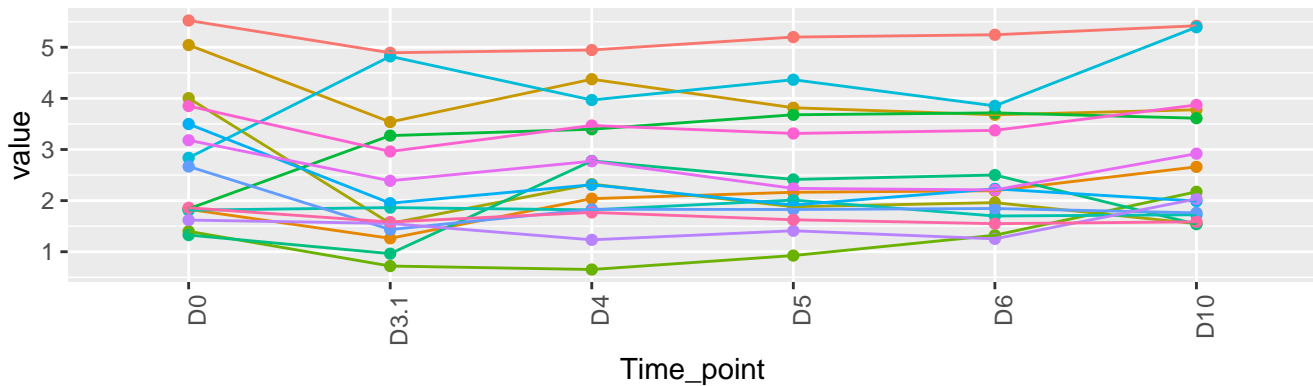
16 genes – KO-cluster-119-original



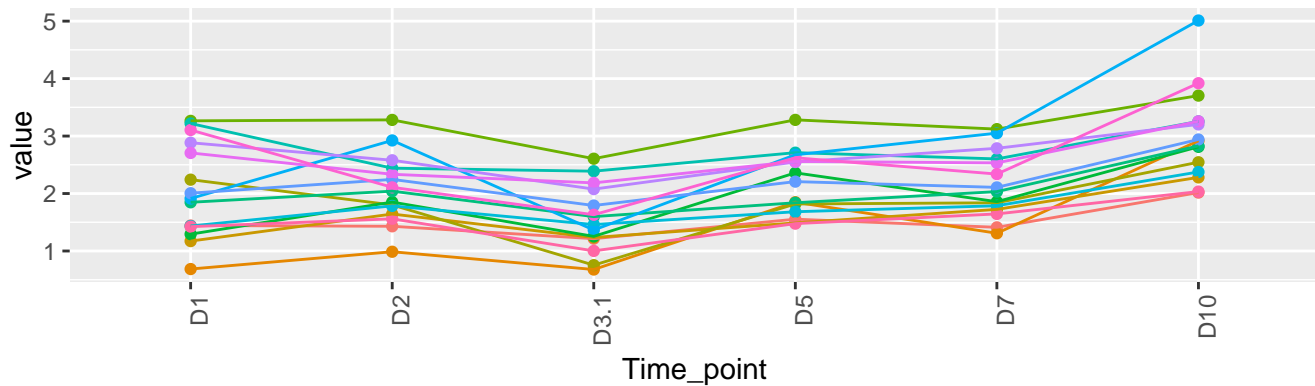
15 genes – WT-cluster-118-original



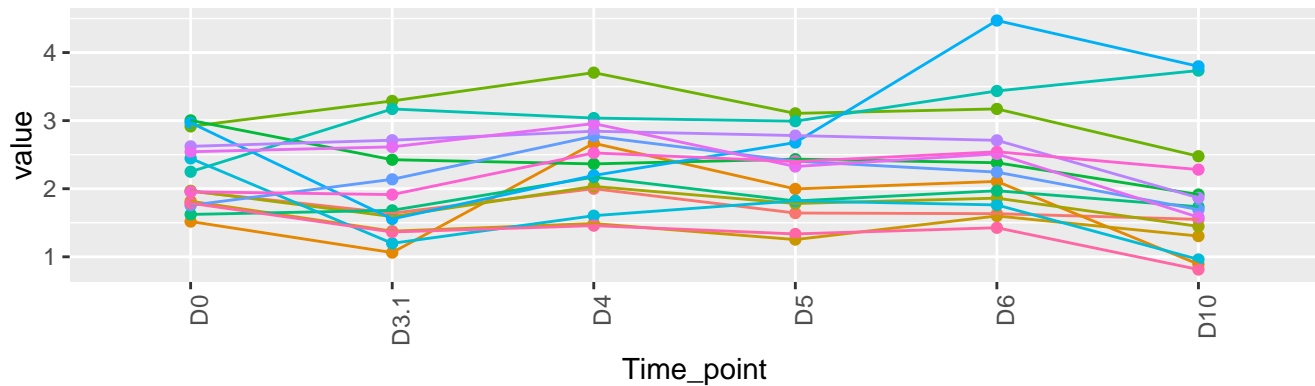
15 genes – KO-cluster-118-original



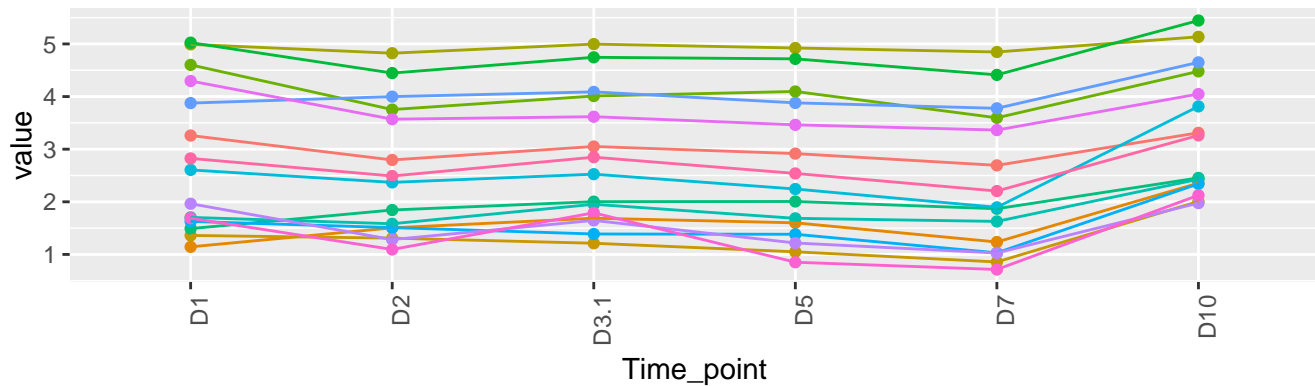
15 genes – WT-cluster-117-original



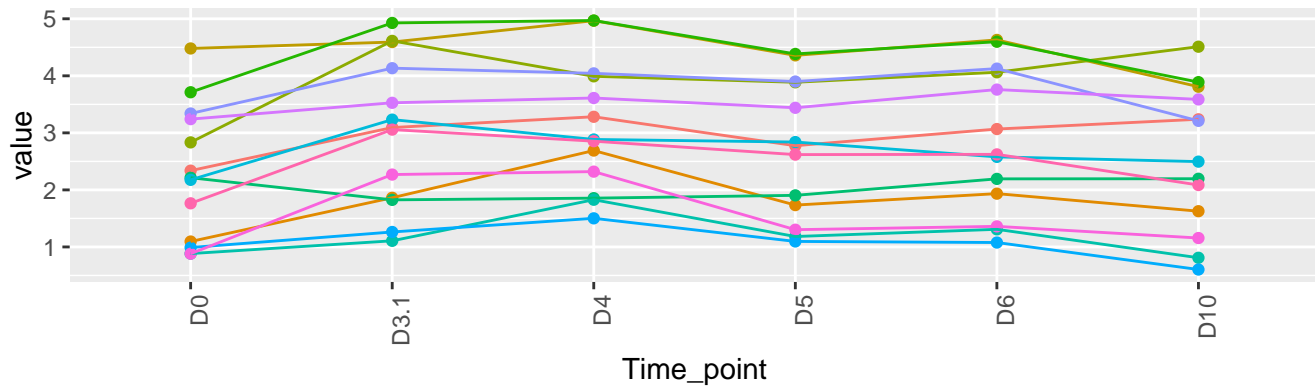
15 genes – KO-cluster-117-original



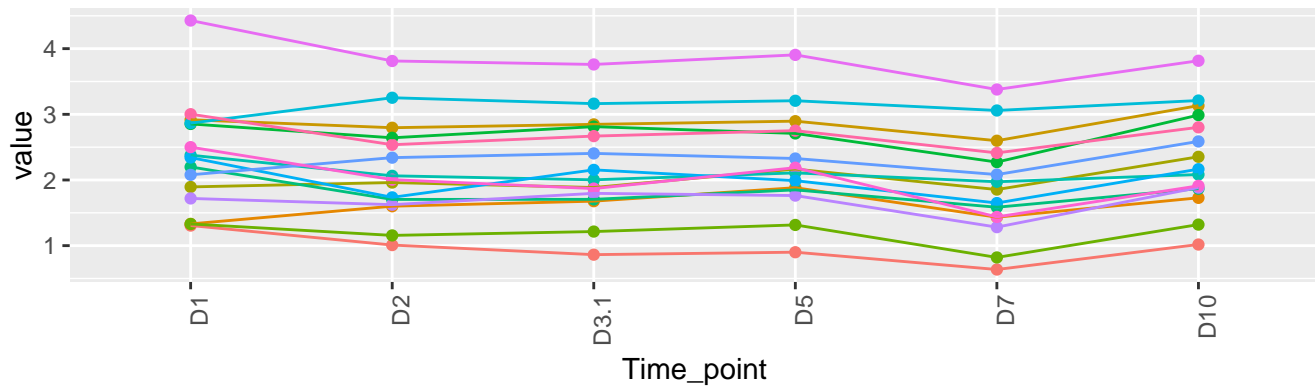
15 genes – WT-cluster-116-original



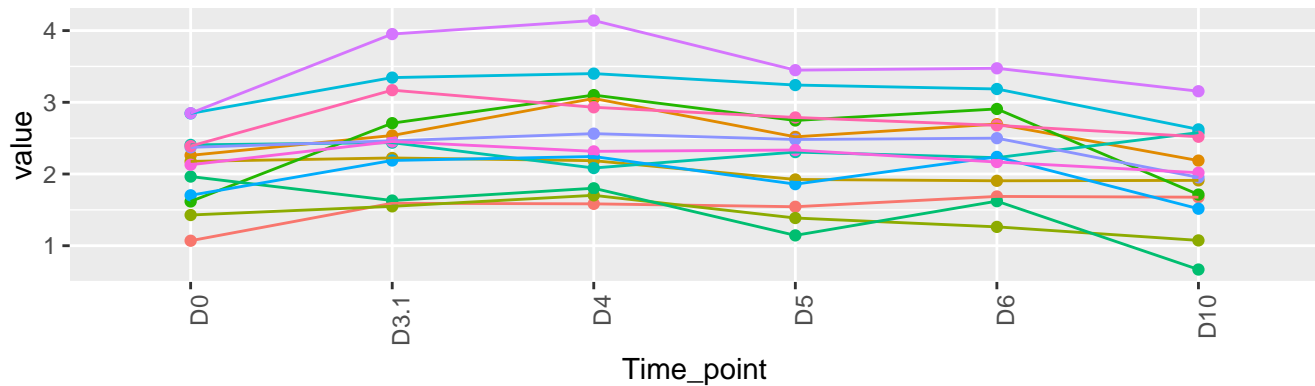
13 genes – KO-cluster-116-original



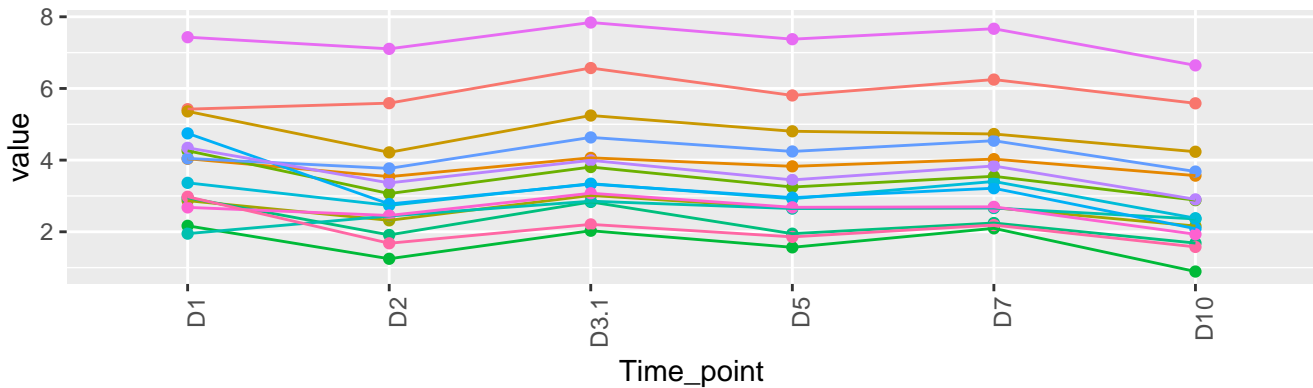
15 genes – WT-cluster-115-original



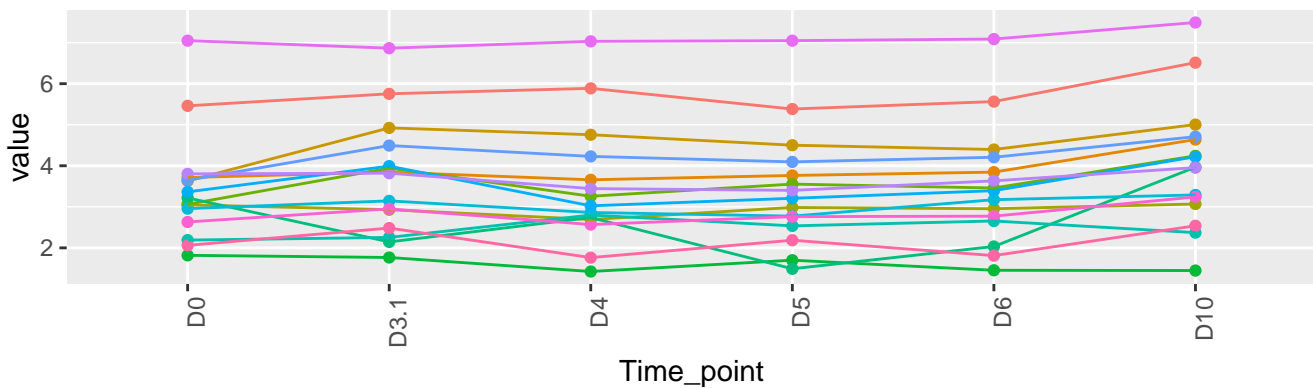
13 genes – KO-cluster-115-original



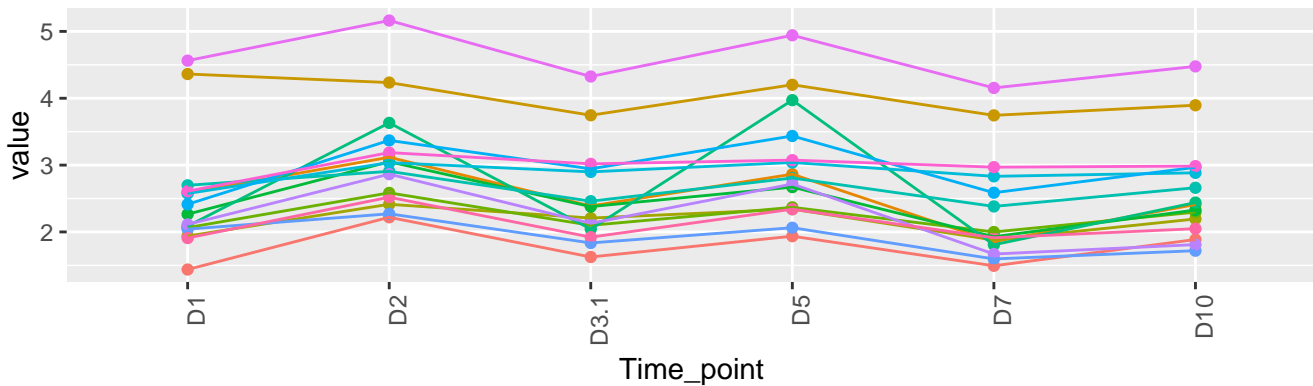
15 genes – WT-cluster-114-original



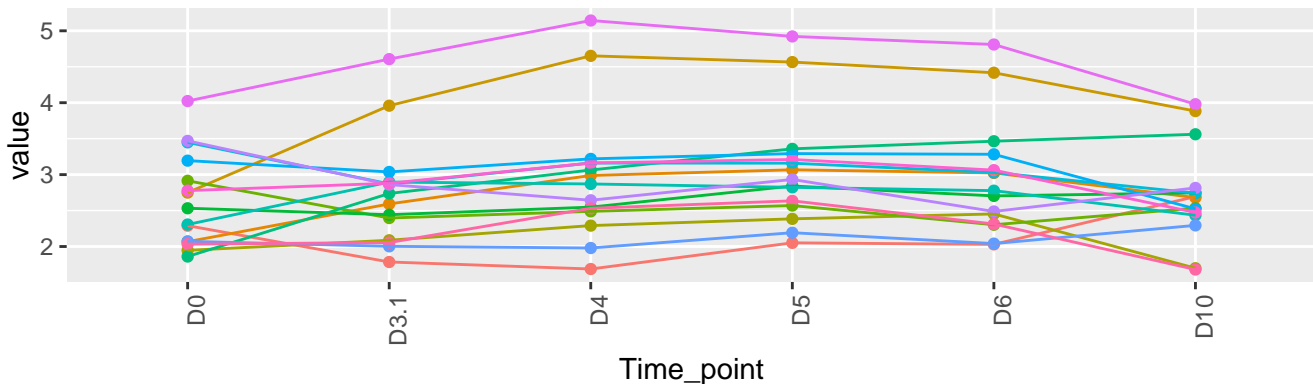
15 genes – KO-cluster-114-original



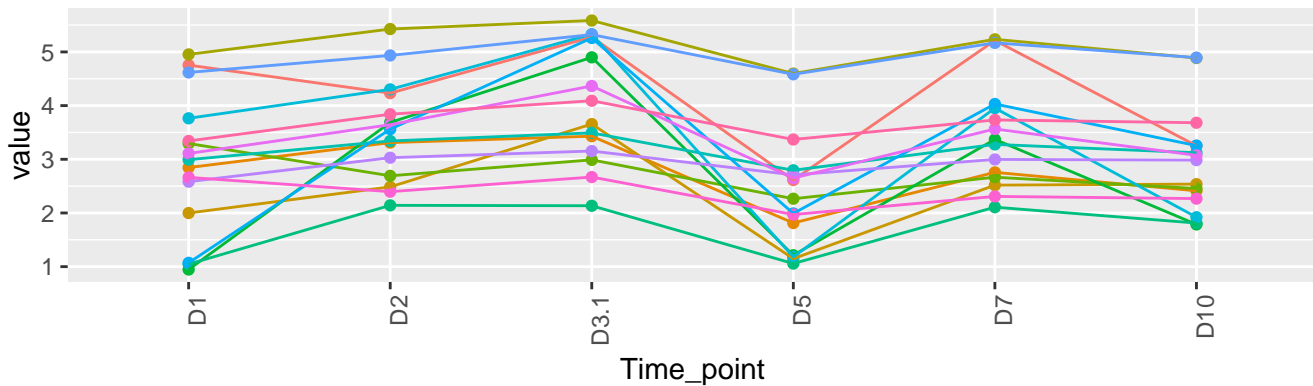
15 genes – WT-cluster-113-original



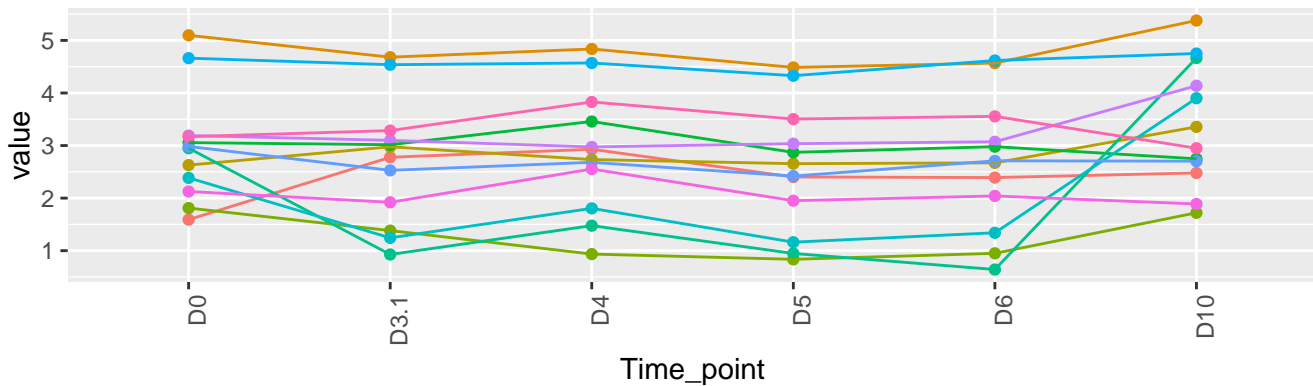
15 genes – KO-cluster-113-original



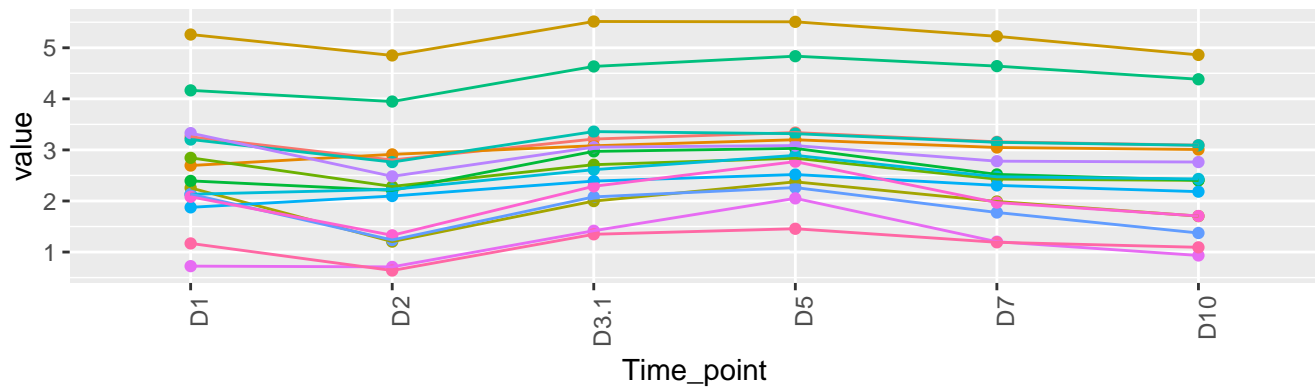
15 genes – WT-cluster-112-original



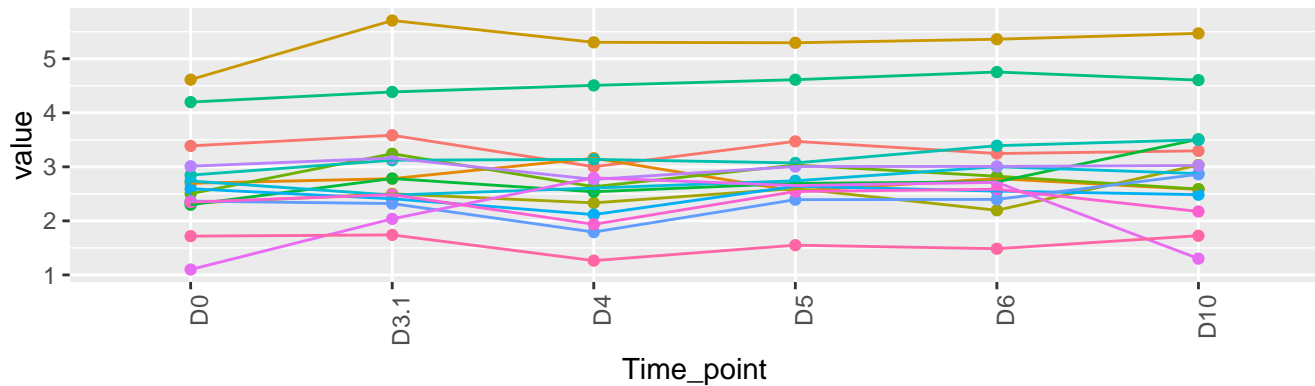
12 genes – KO-cluster-112-original



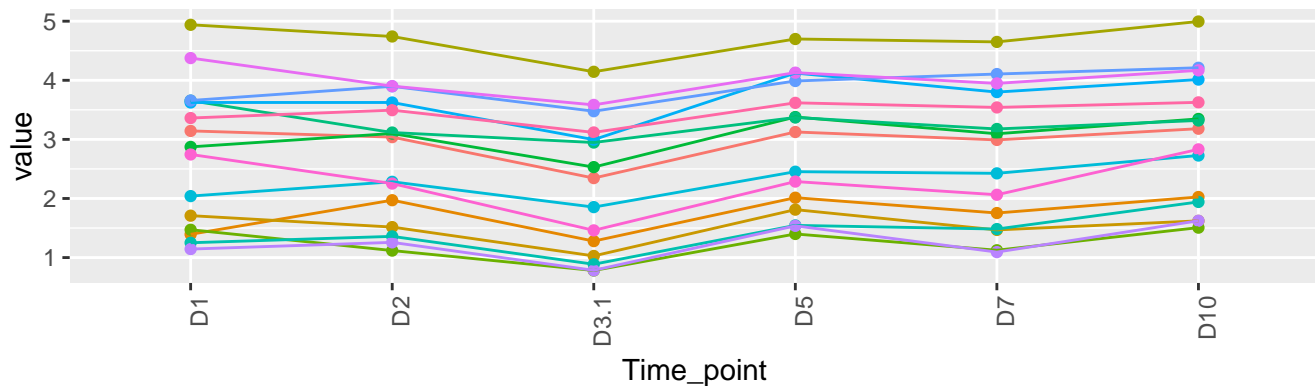
15 genes – WT-cluster-111-original



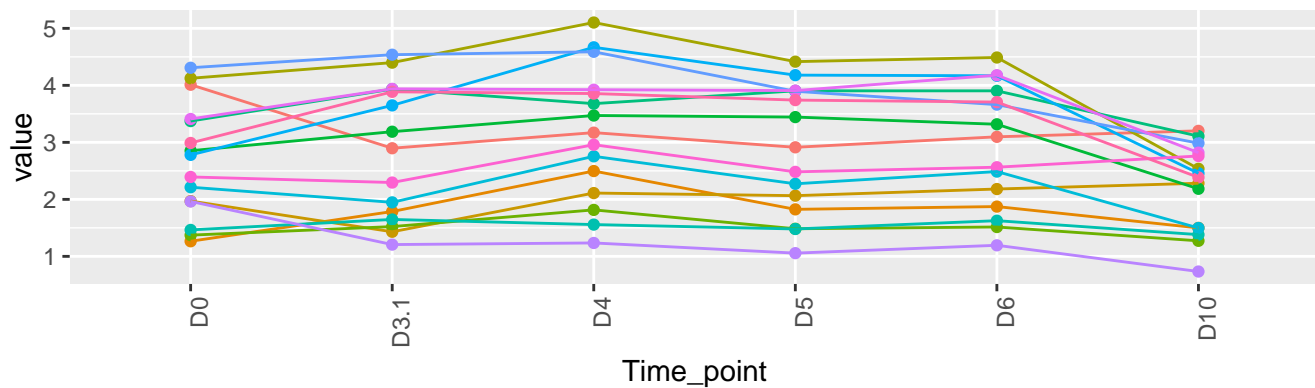
15 genes – KO-cluster-111-original



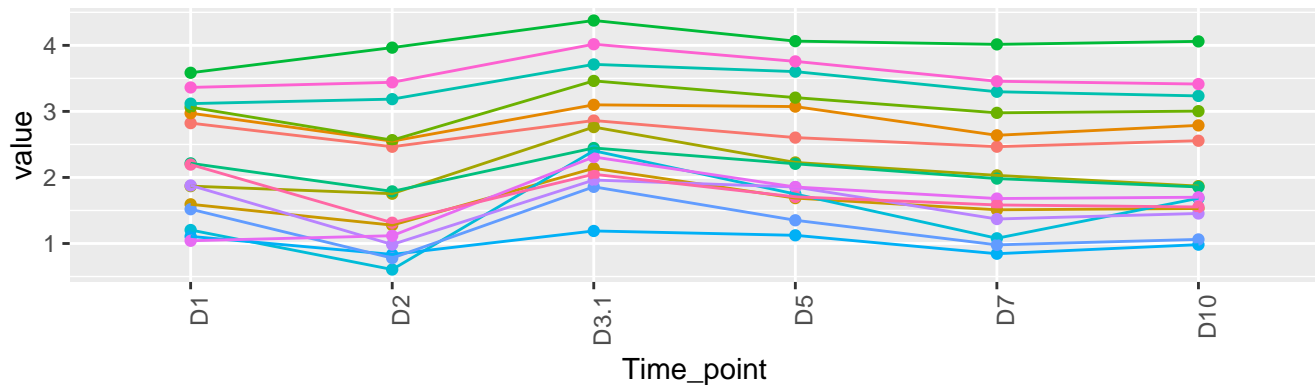
15 genes – WT-cluster-110-original



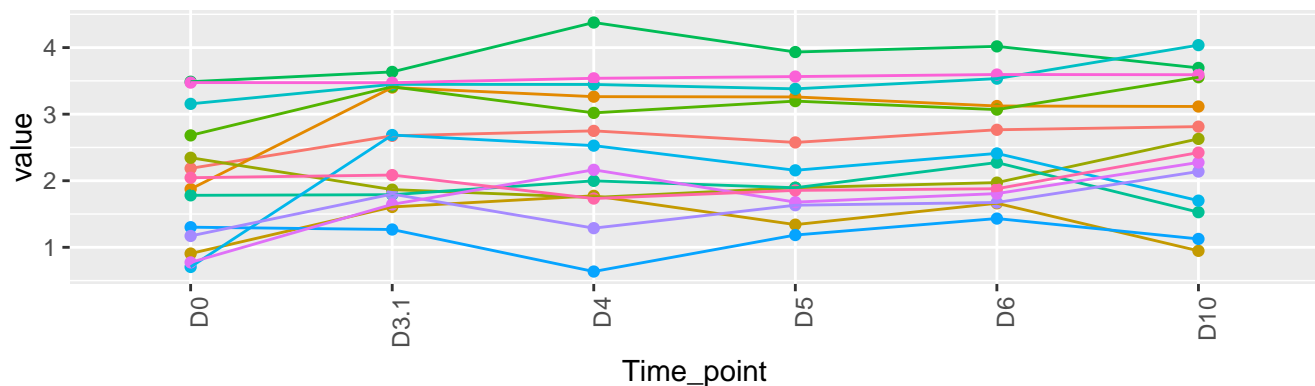
15 genes – KO-cluster-110-original



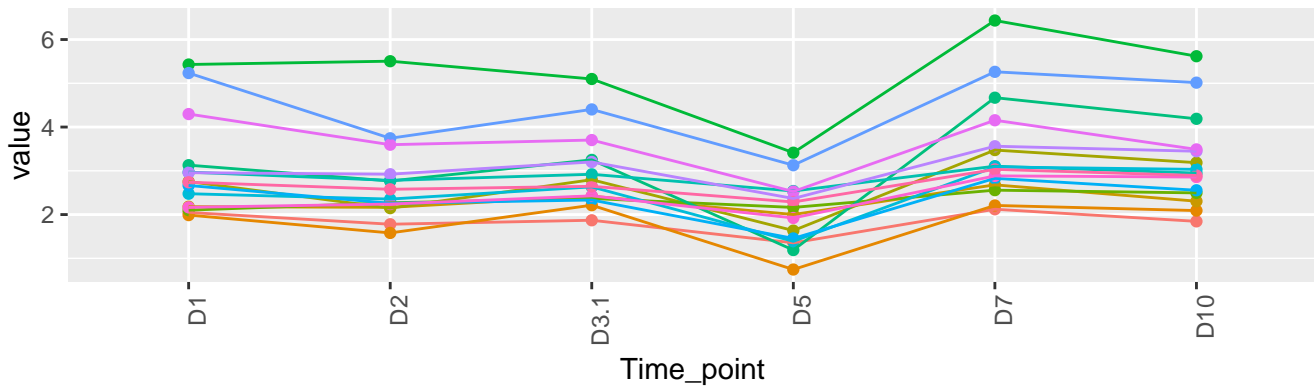
15 genes – WT-cluster-109-original



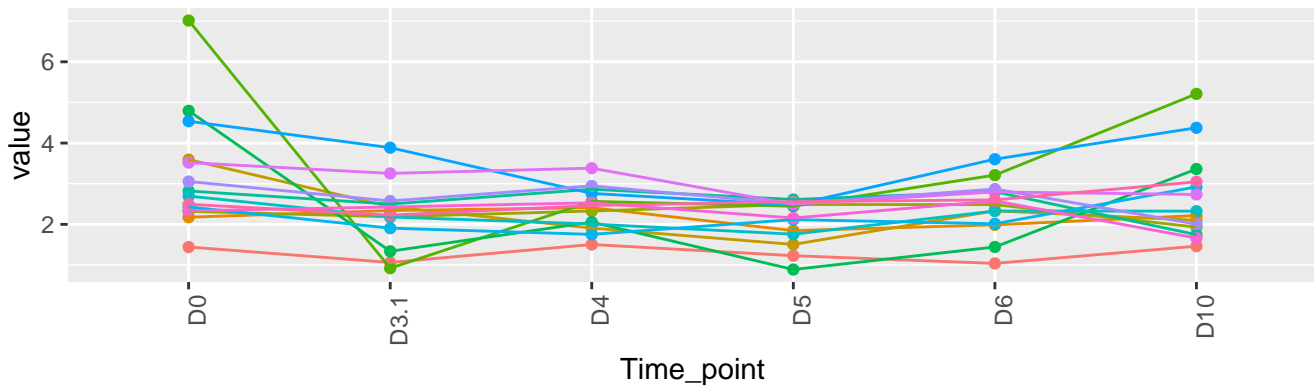
14 genes – KO-cluster-109-original



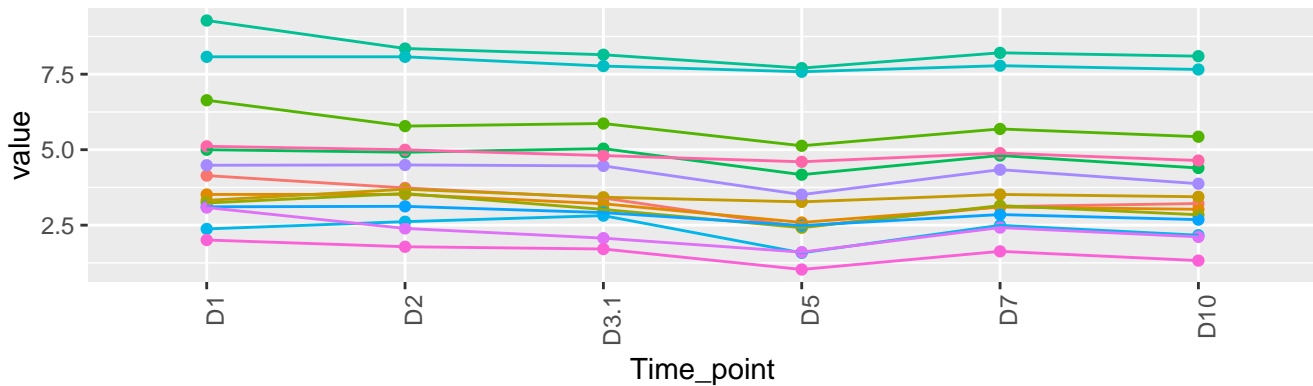
15 genes – WT-cluster-108-original



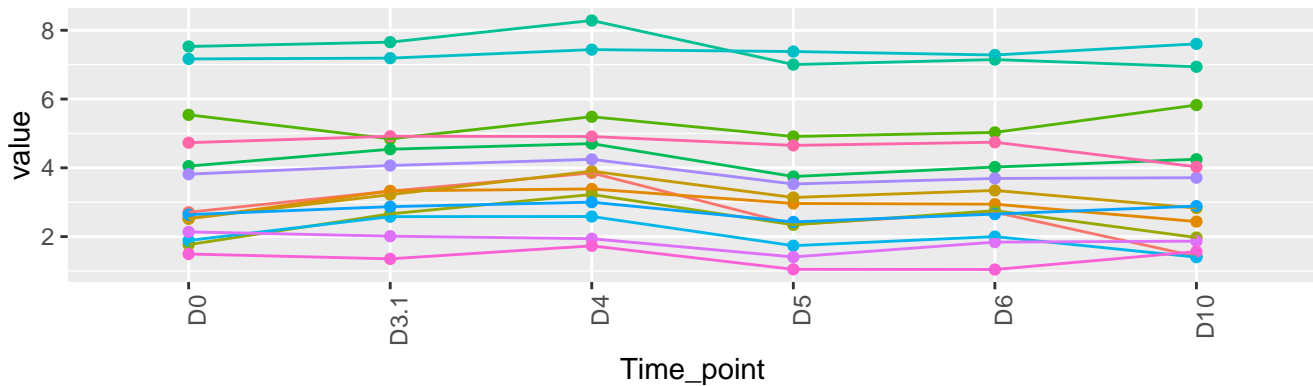
14 genes – KO-cluster-108-original



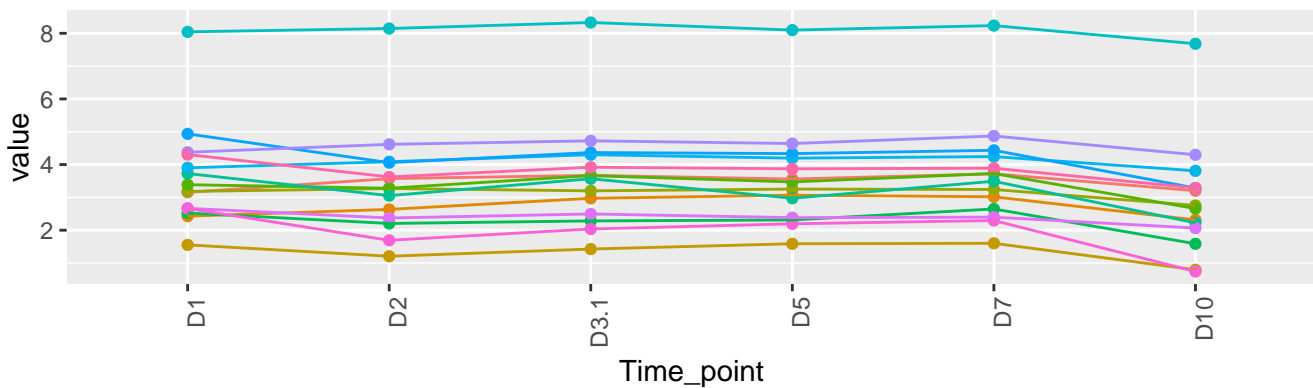
14 genes – WT-cluster-107-original



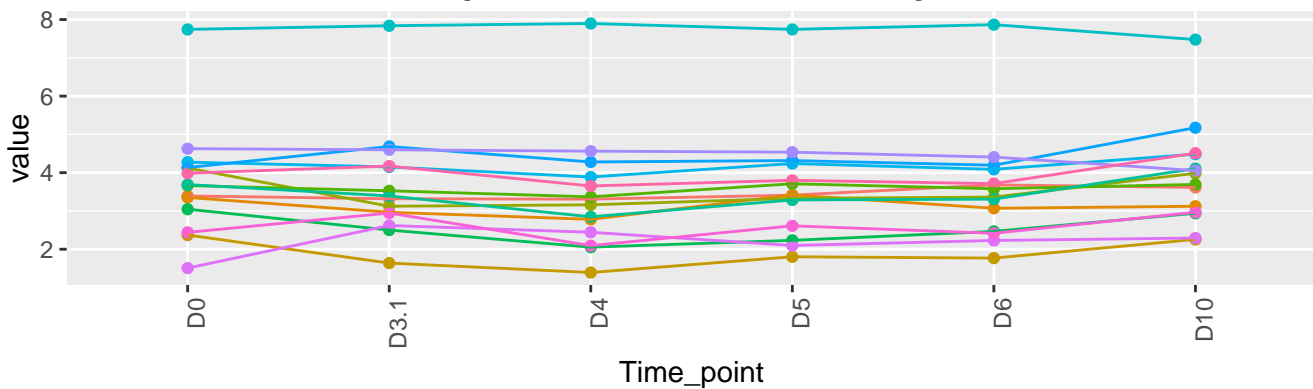
14 genes – KO-cluster-107-original



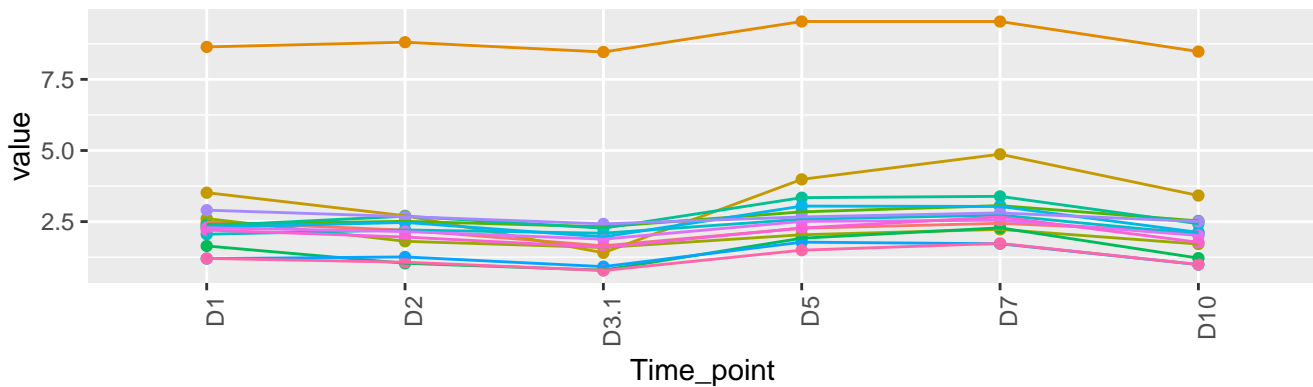
14 genes – WT-cluster-106-original



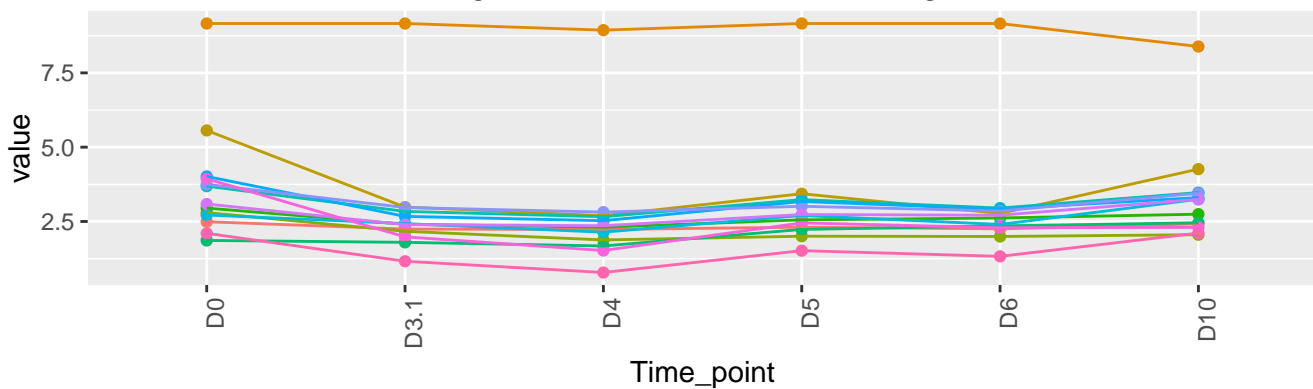
14 genes – KO-cluster-106-original



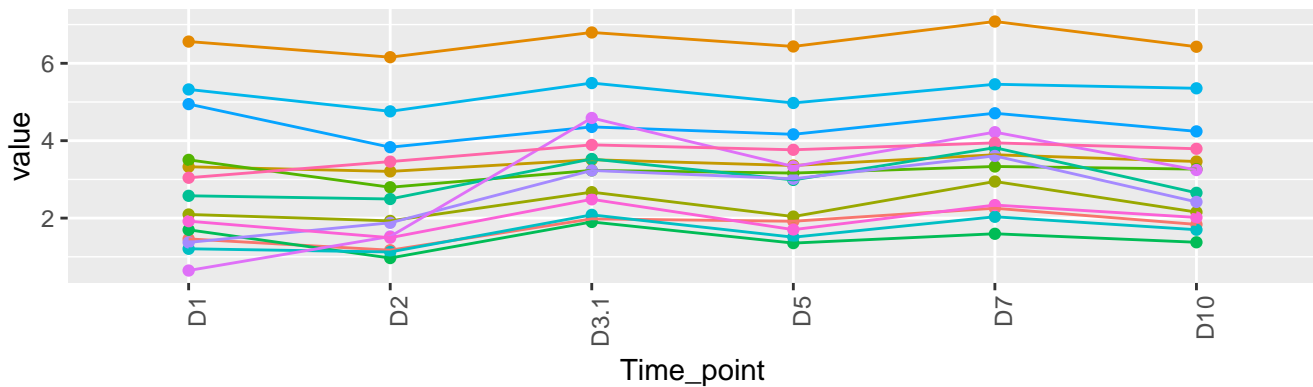
14 genes – WT-cluster-105-original



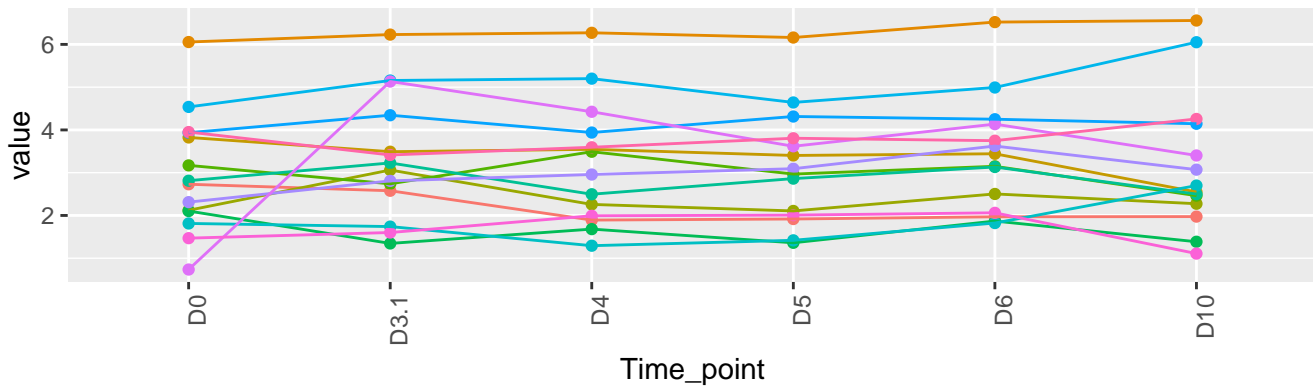
13 genes – KO-cluster-105-original



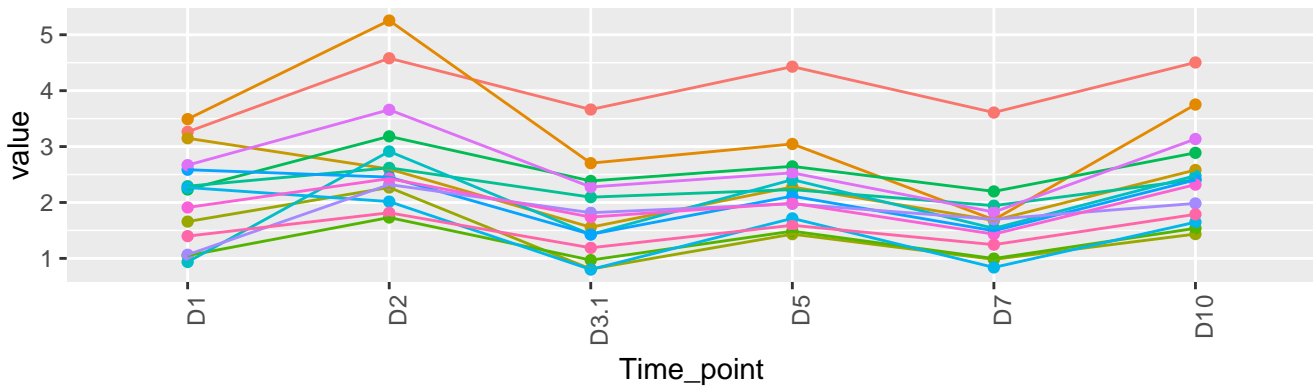
14 genes – WT-cluster-104-original



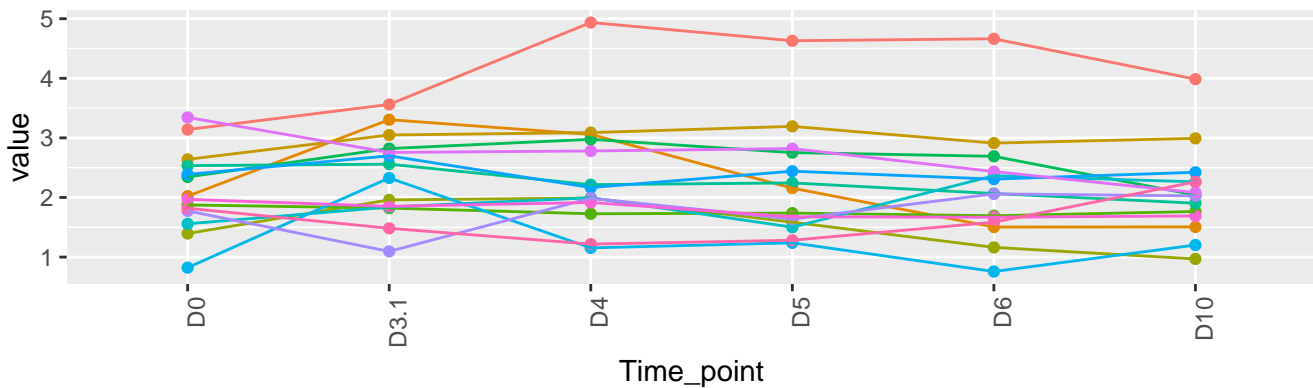
14 genes – KO-cluster-104-original



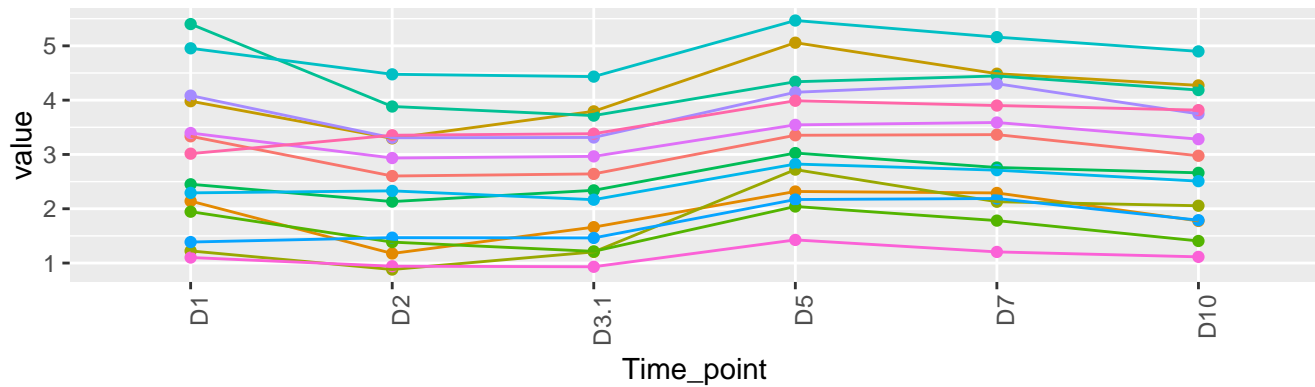
14 genes – WT-cluster-103-original



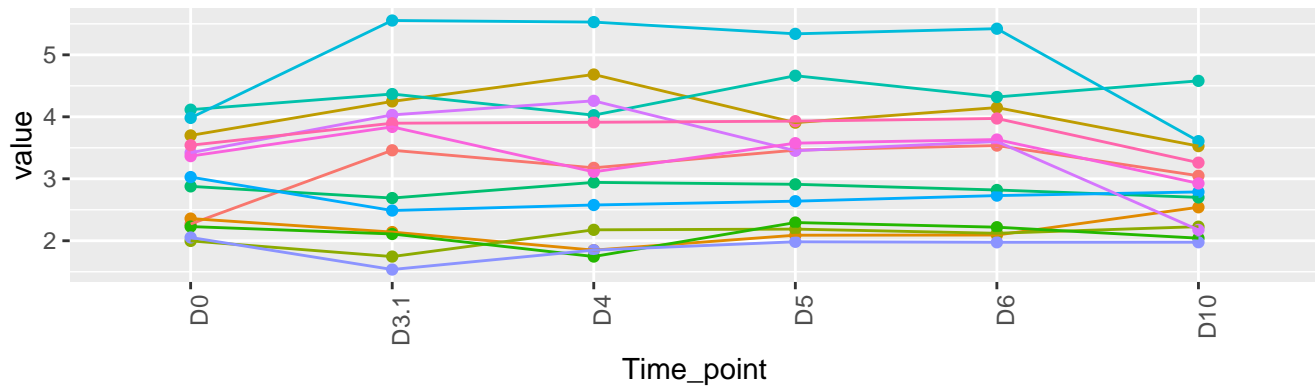
14 genes – KO-cluster-103-original



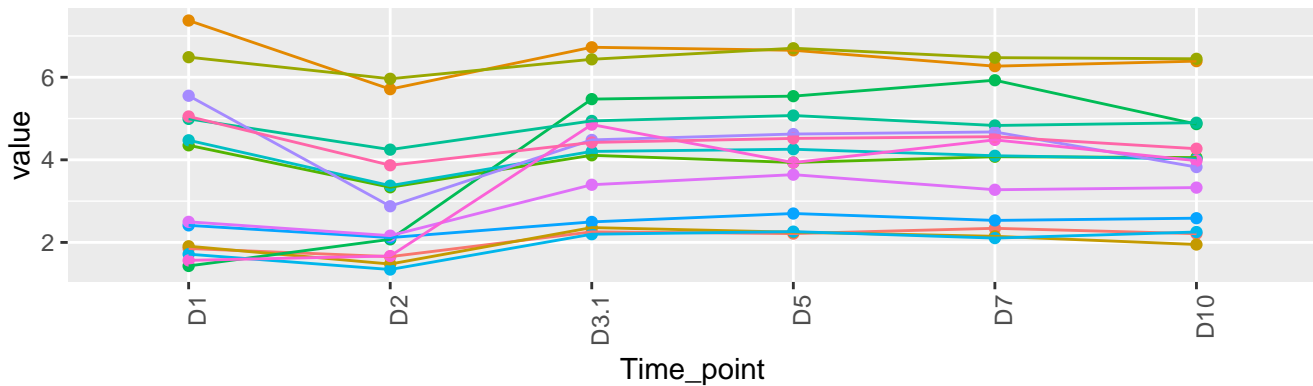
14 genes – WT-cluster-102-original



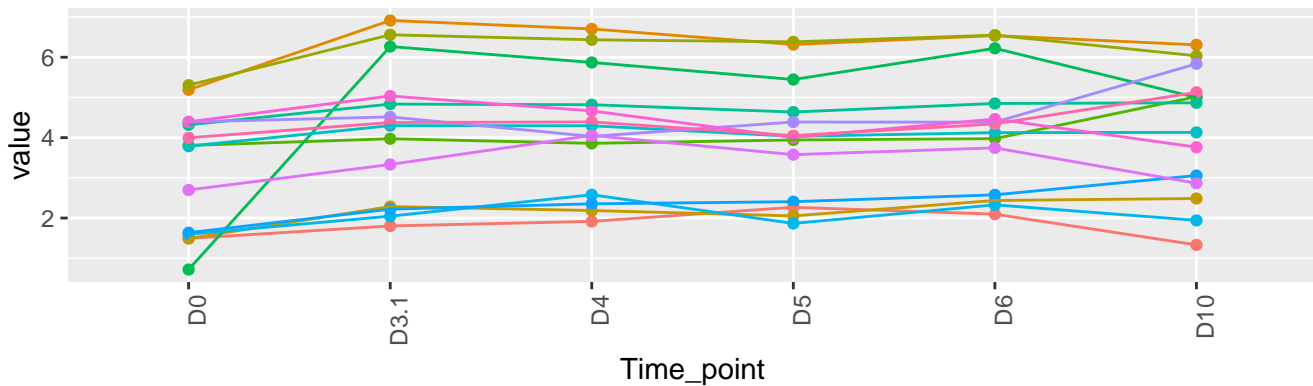
13 genes – KO-cluster-102-original



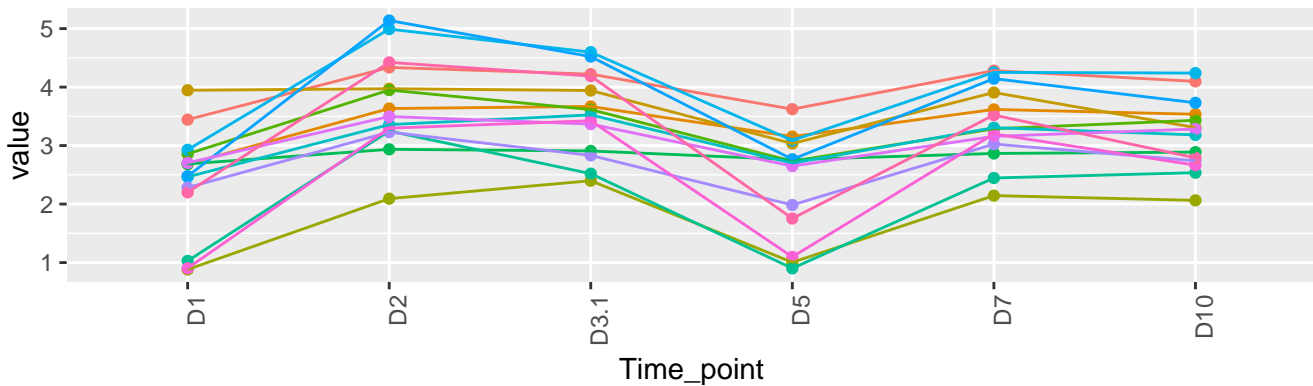
14 genes – WT-cluster-101-original



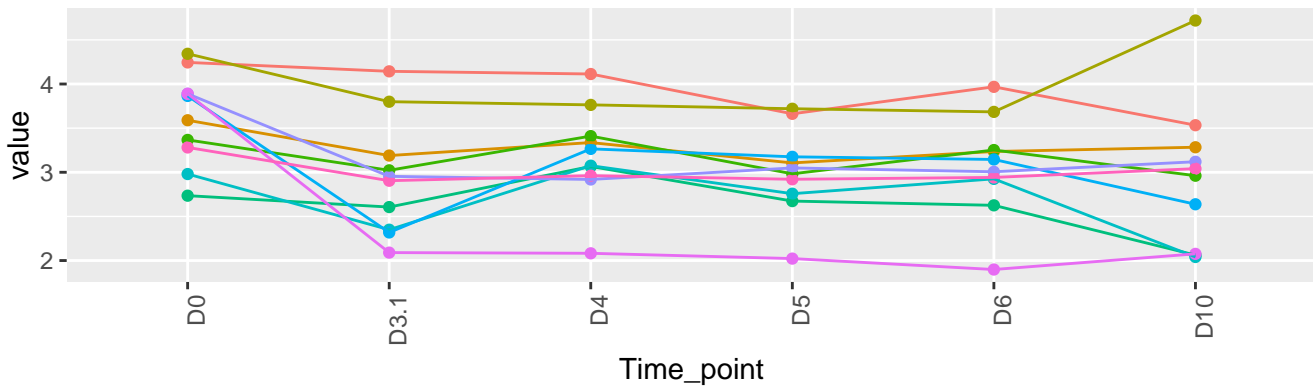
14 genes – KO-cluster-101-original



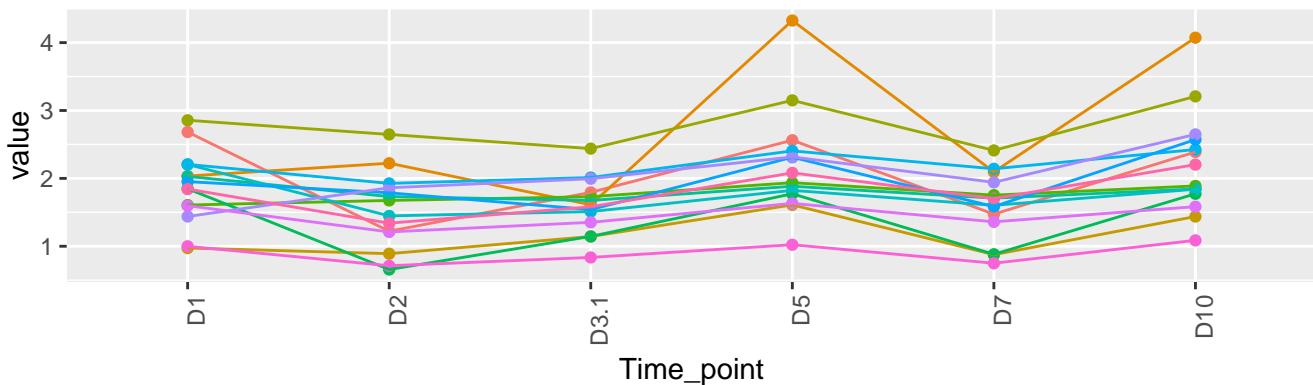
14 genes – WT-cluster-100-original



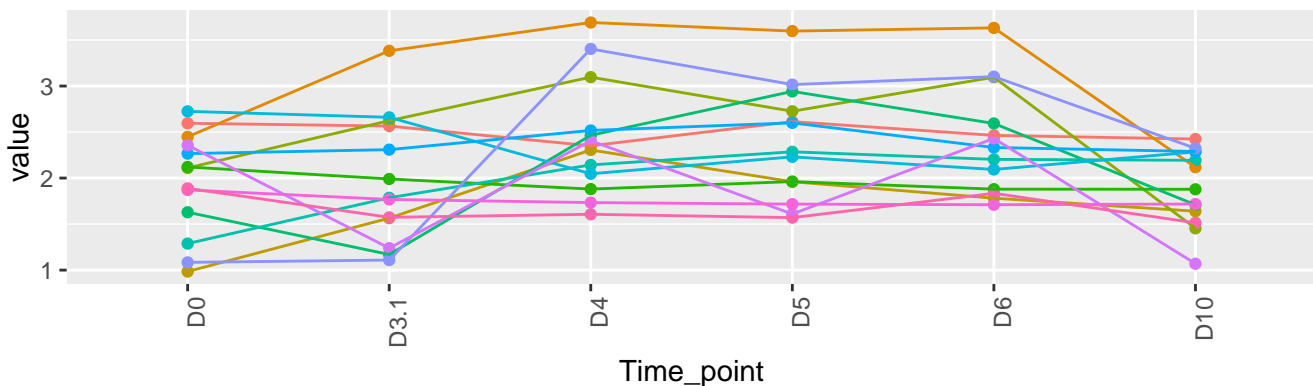
10 genes – KO-cluster-100-original



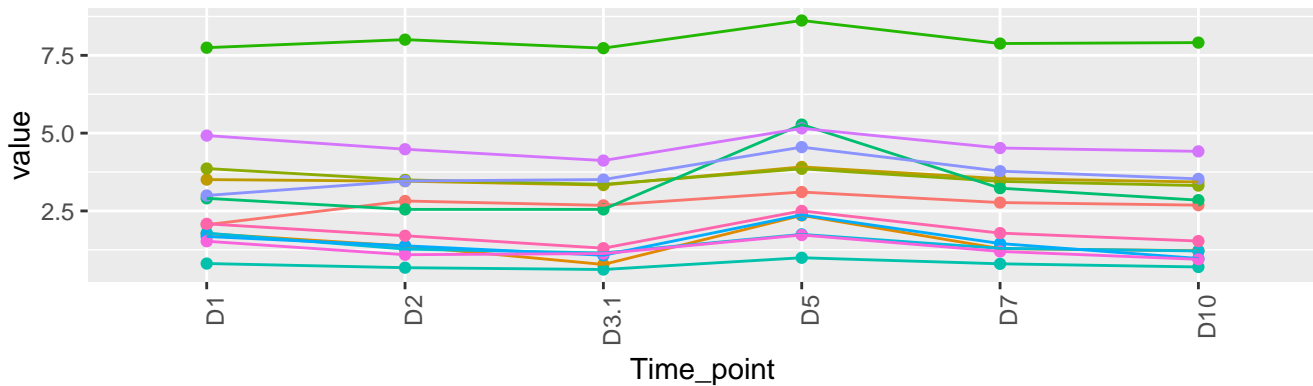
14 genes – WT-cluster-99-original



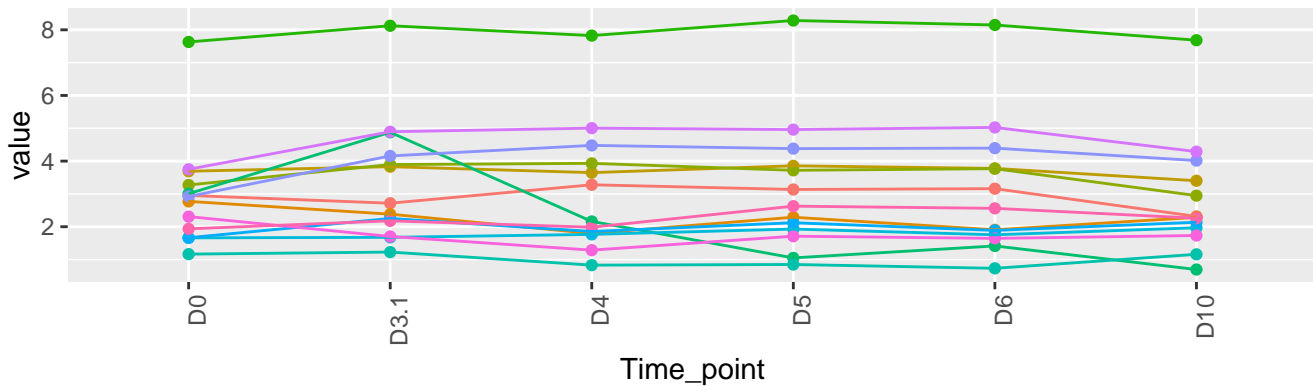
13 genes – KO-cluster-99-original



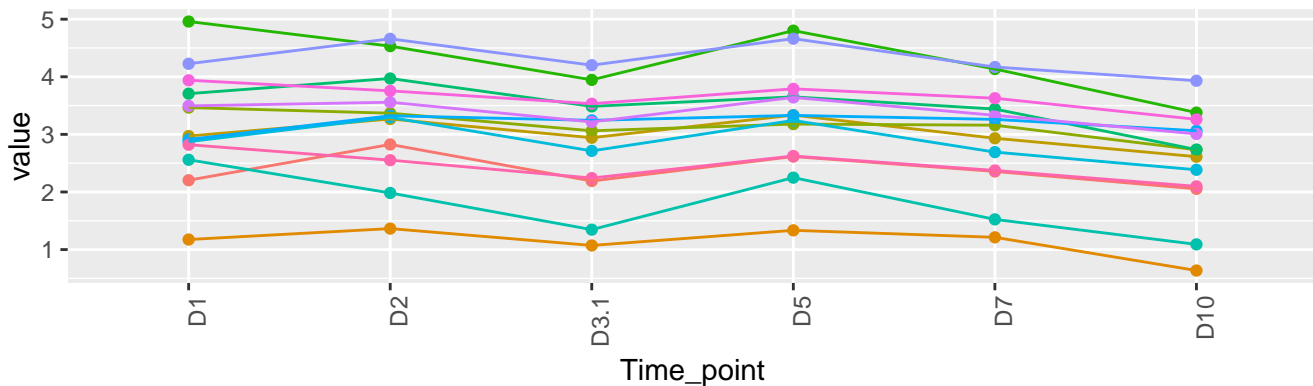
13 genes – WT-cluster-98-original



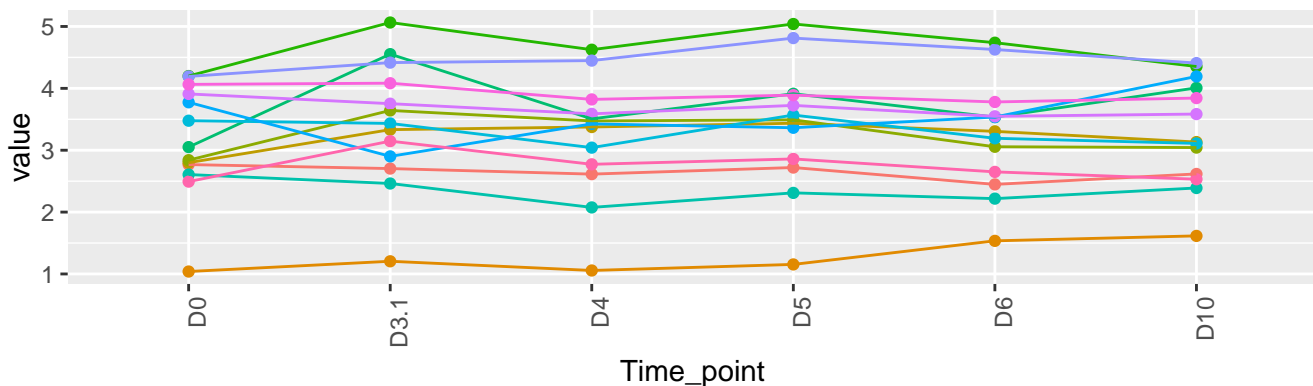
13 genes – KO-cluster-98-original



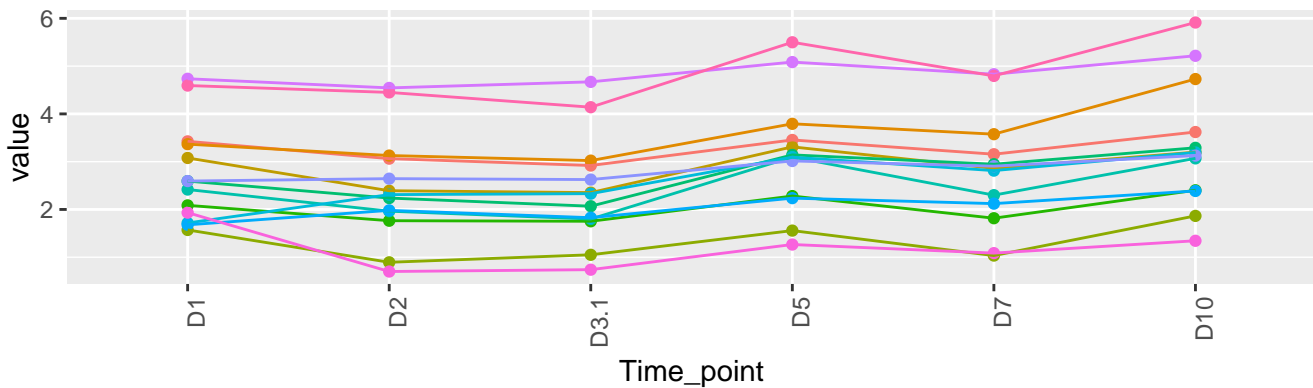
13 genes – WT-cluster-97-original



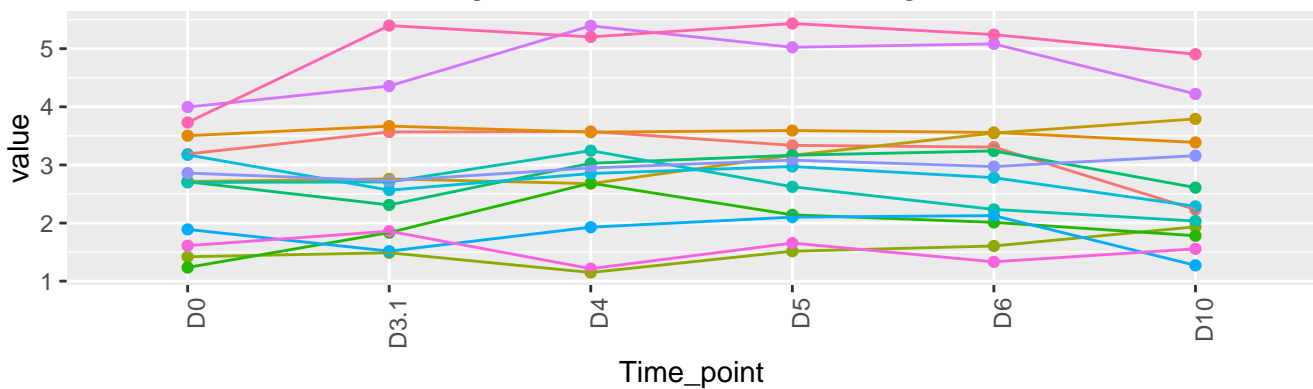
13 genes – KO-cluster-97-original



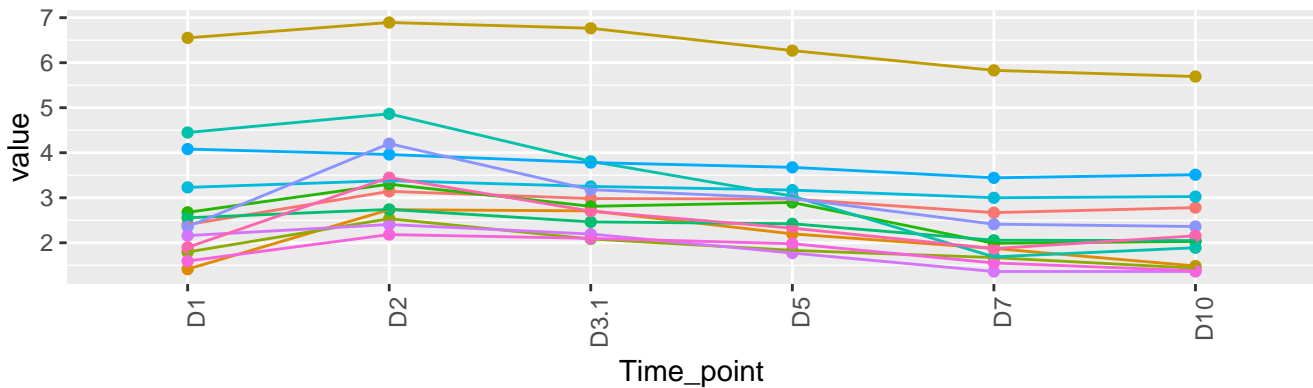
13 genes – WT-cluster-96-original



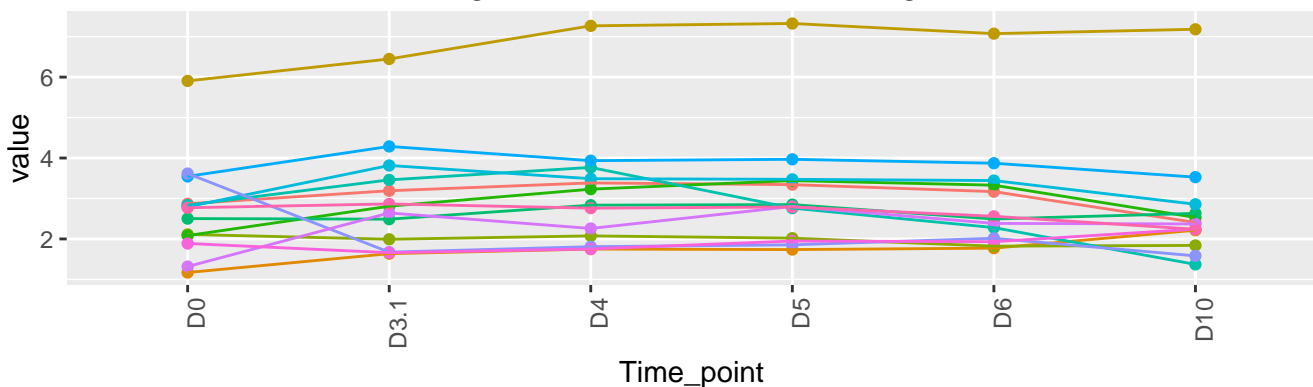
13 genes – KO-cluster-96-original



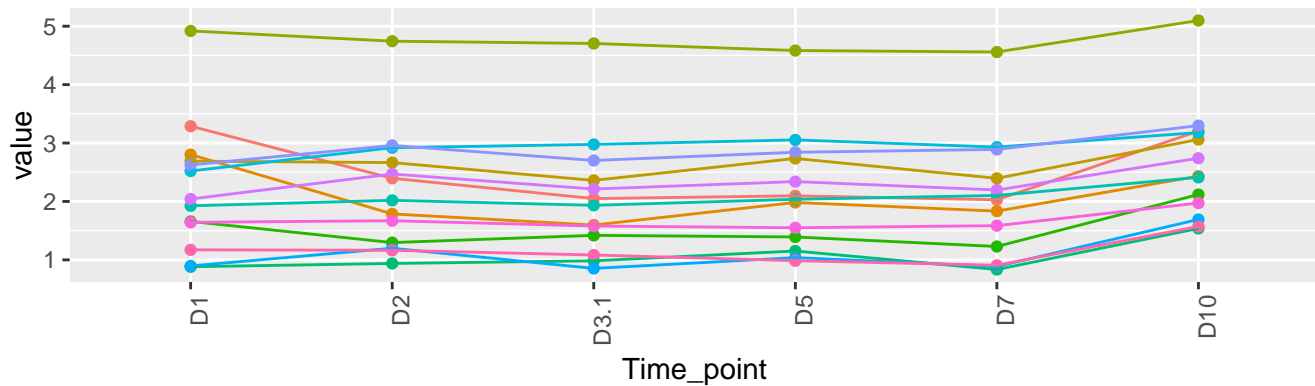
13 genes – WT-cluster-95-original



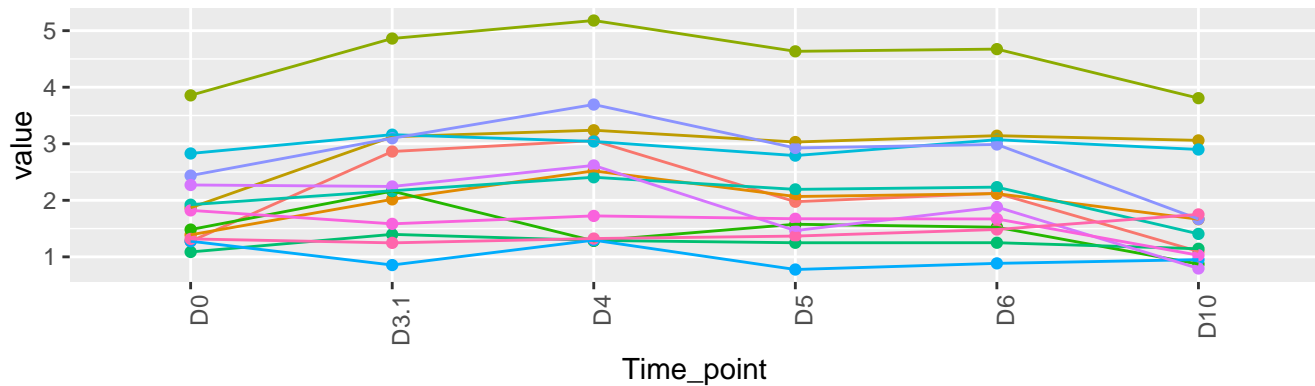
13 genes – KO-cluster-95-original



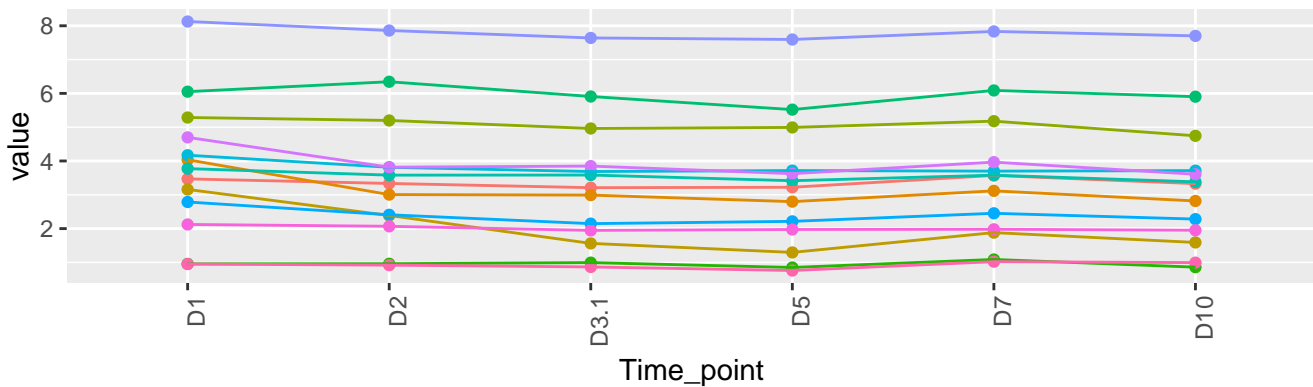
13 genes – WT-cluster-94-original



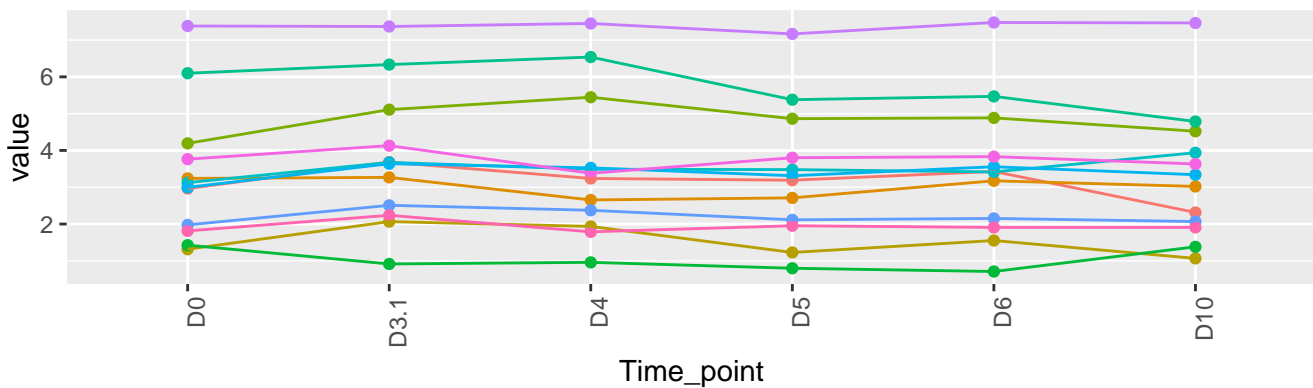
13 genes – KO-cluster-94-original



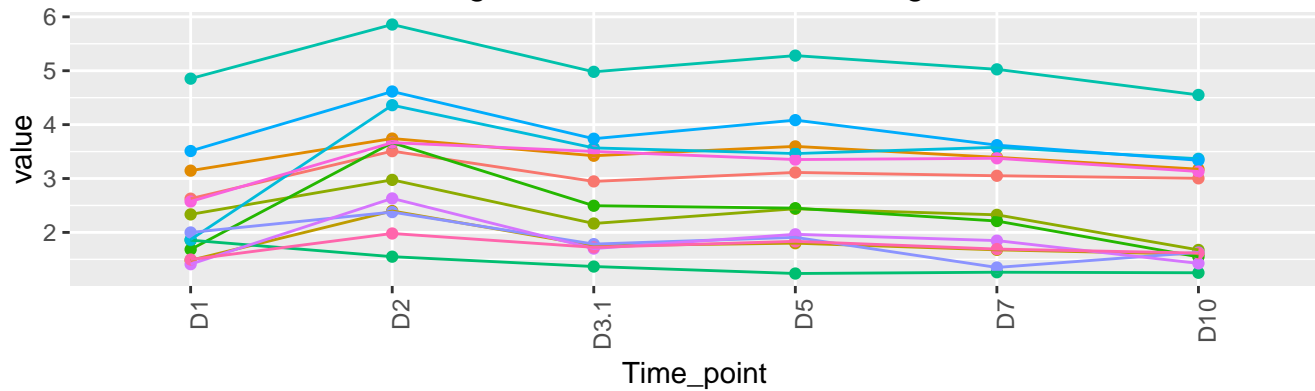
13 genes – WT-cluster-93-original



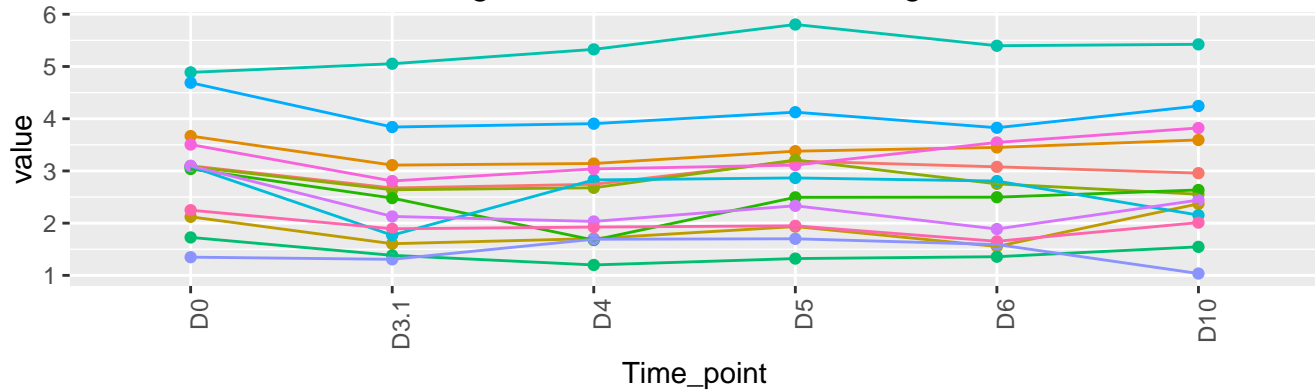
12 genes – KO-cluster-93-original



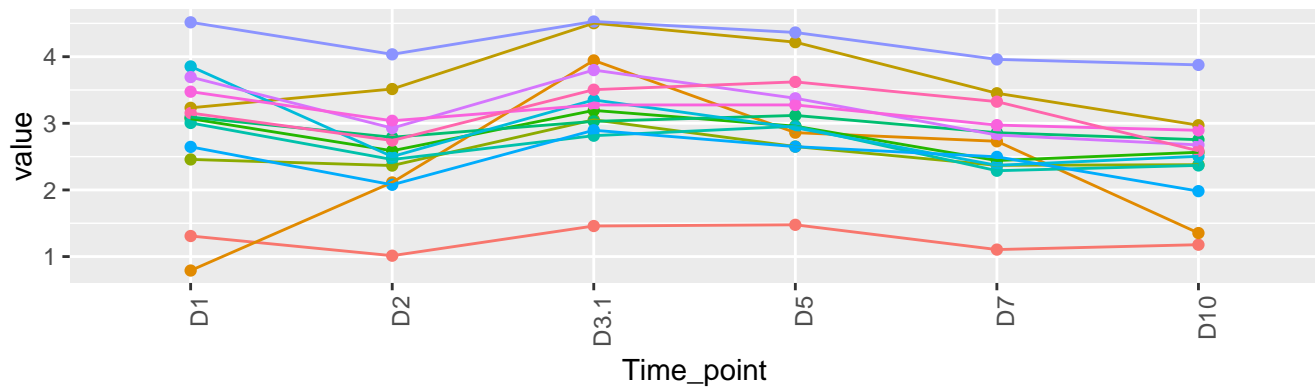
13 genes – WT-cluster-92-original



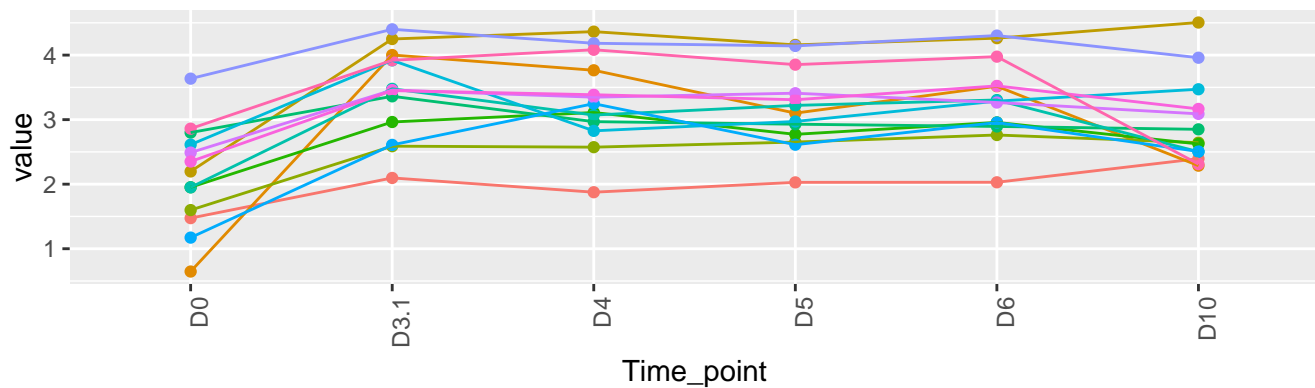
13 genes – KO-cluster-92-original



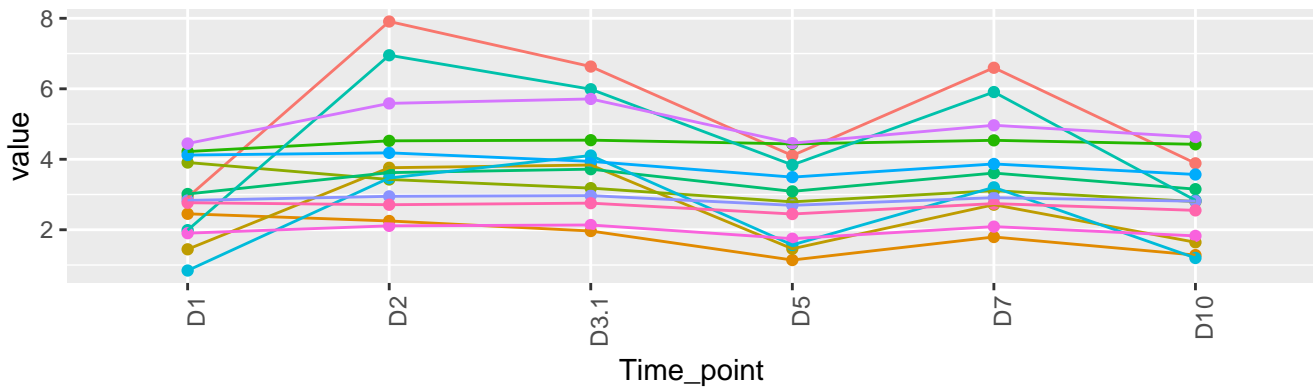
13 genes – WT-cluster-91-original



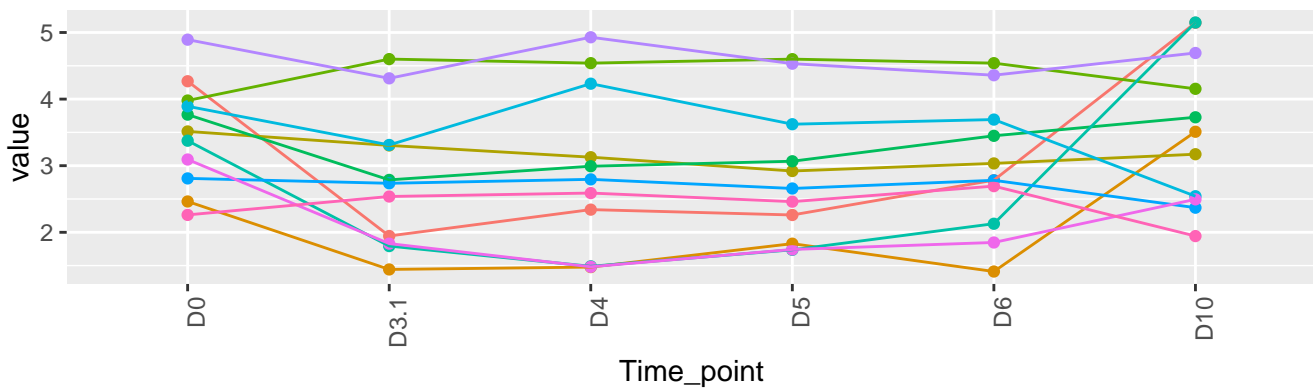
13 genes – KO-cluster-91-original



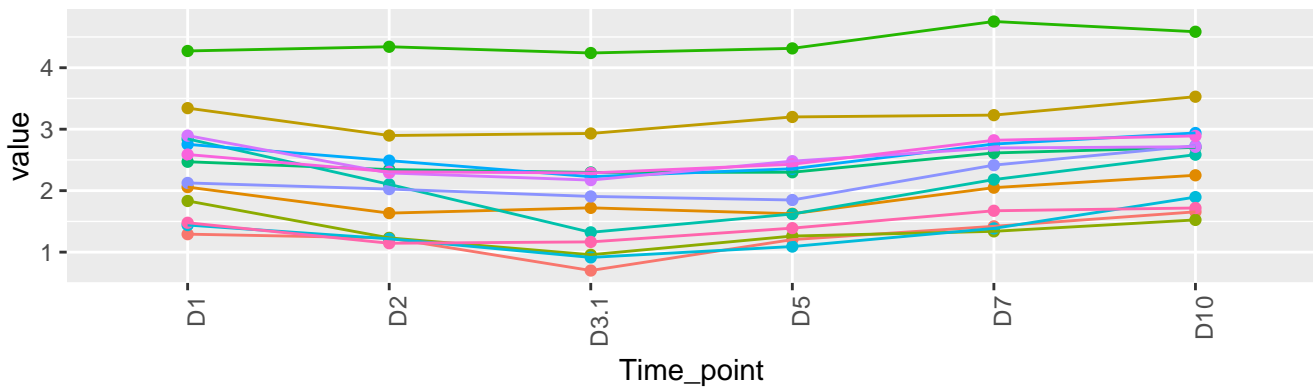
13 genes – WT-cluster-90-original



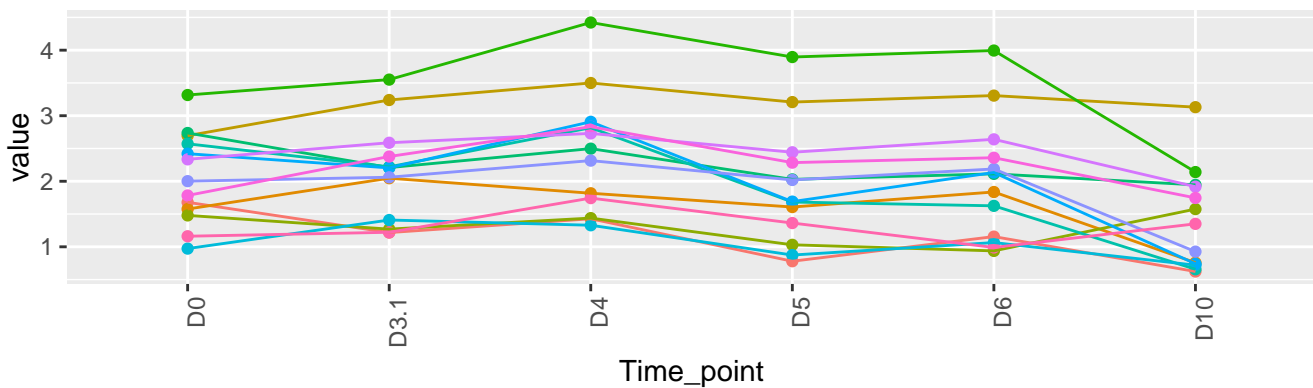
11 genes – KO-cluster-90-original



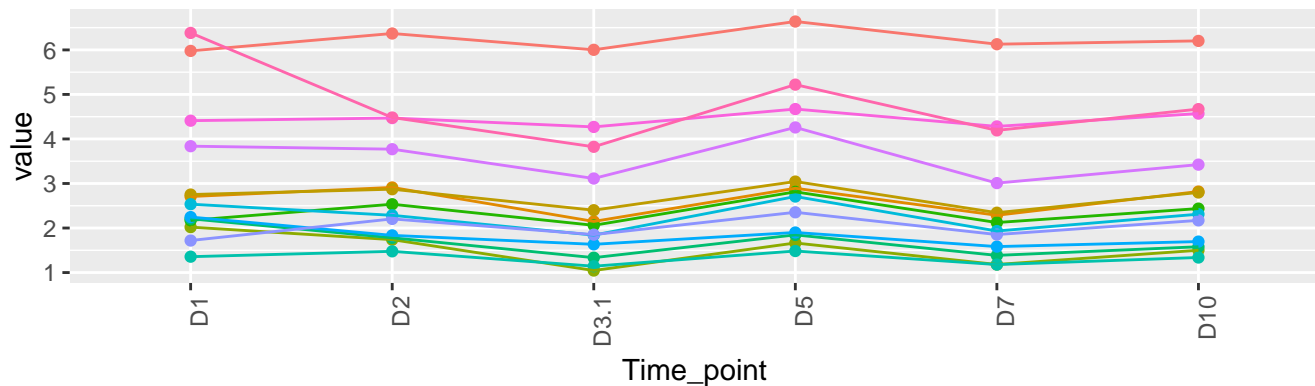
13 genes – WT-cluster-89-original



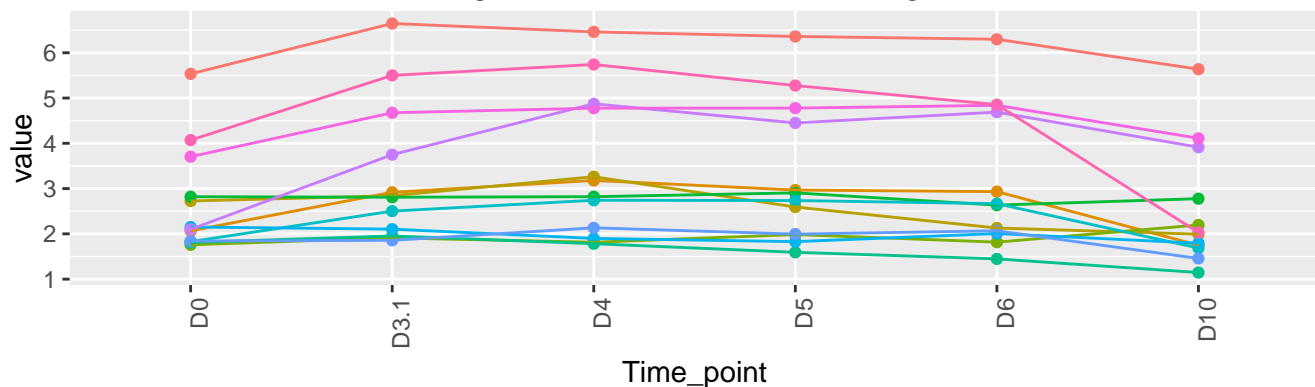
13 genes – KO-cluster-89-original



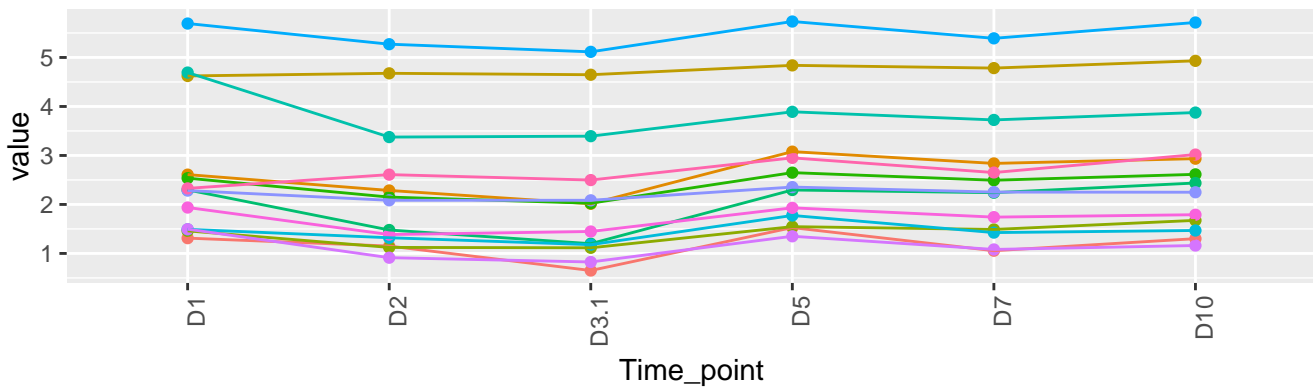
13 genes – WT-cluster-88-original



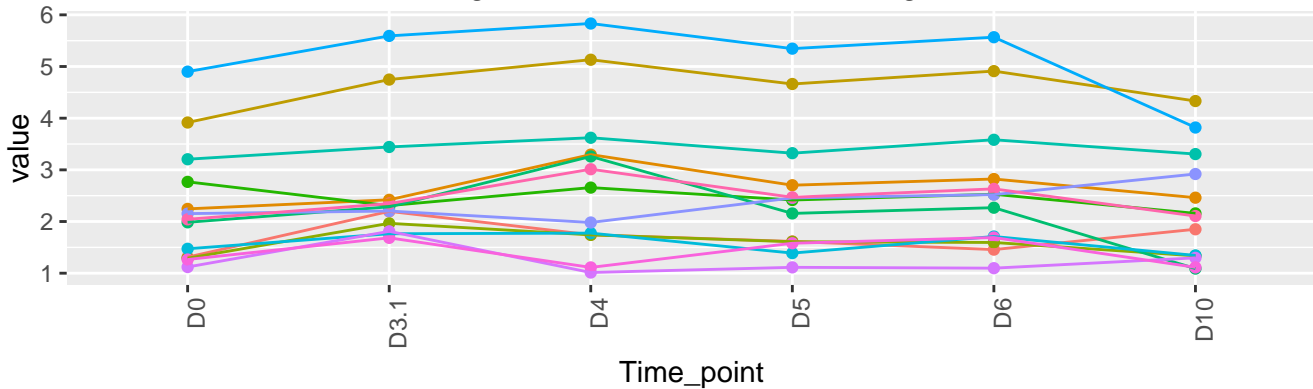
12 genes – KO-cluster-88-original



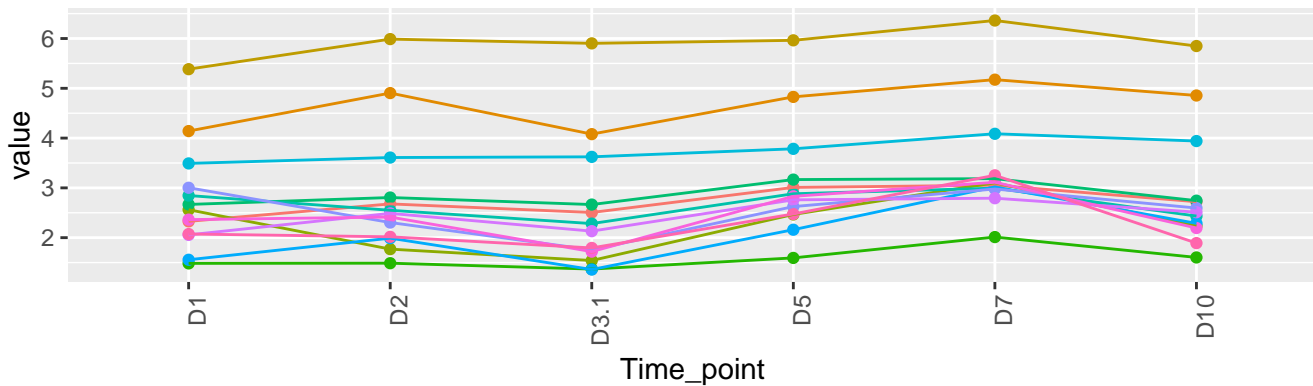
13 genes – WT-cluster-87-original



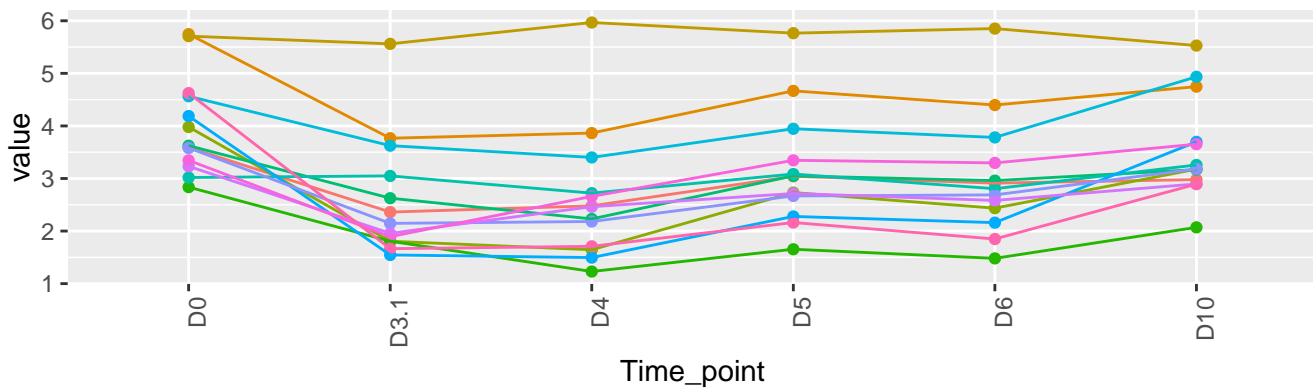
13 genes – KO-cluster-87-original



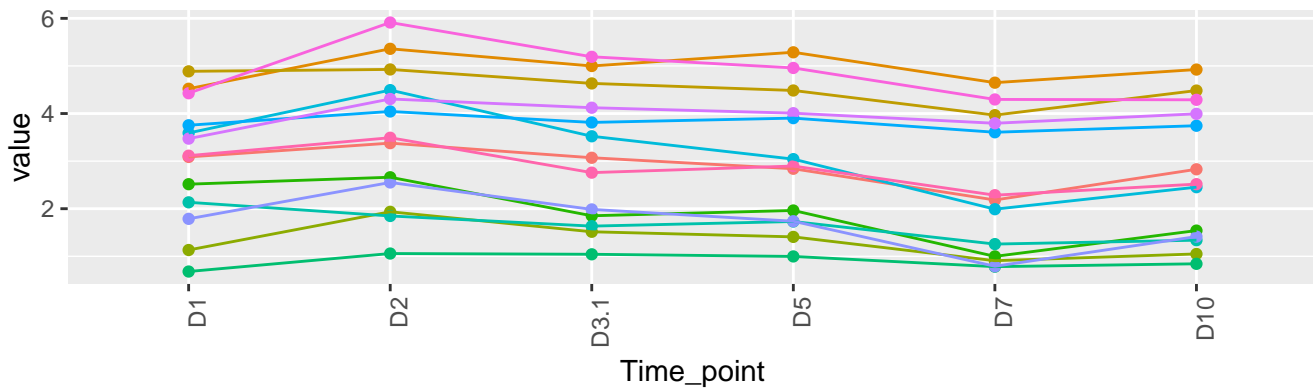
13 genes – WT-cluster-86-original



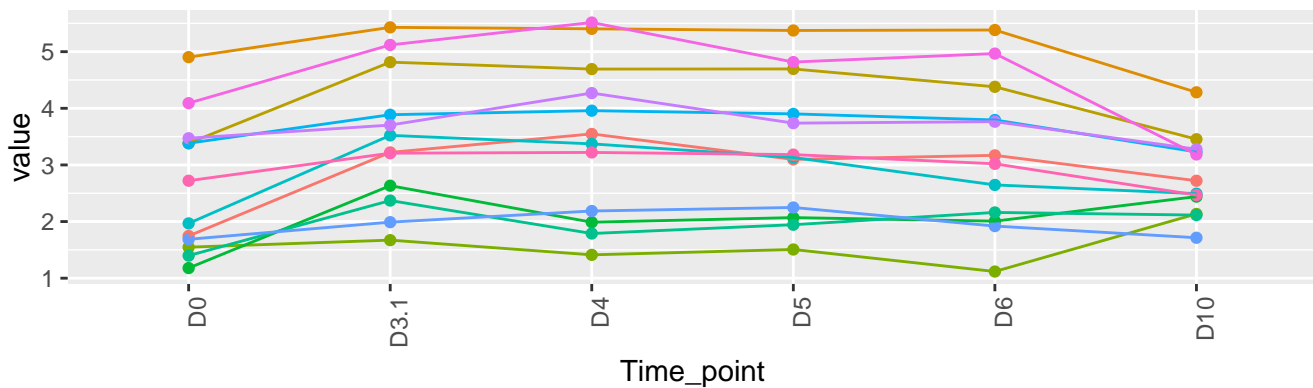
13 genes – KO-cluster-86-original



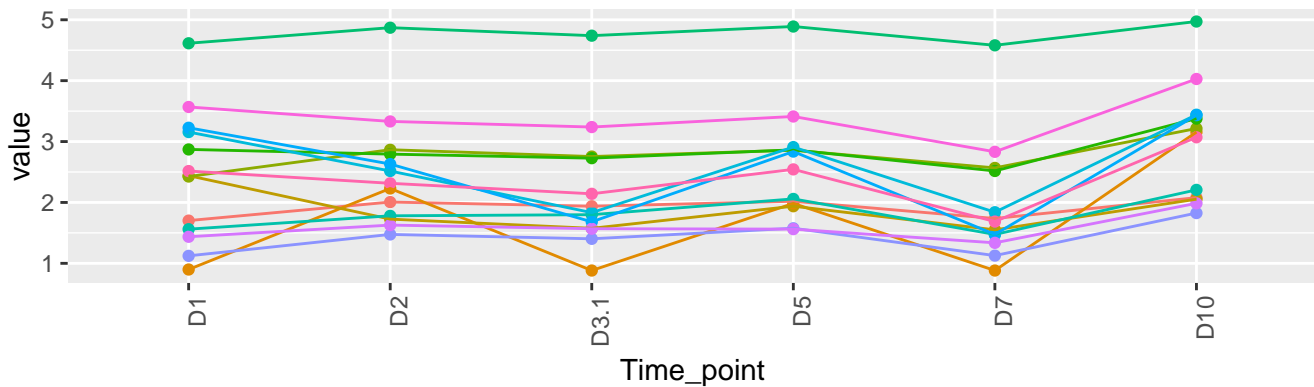
13 genes – WT-cluster-85-original



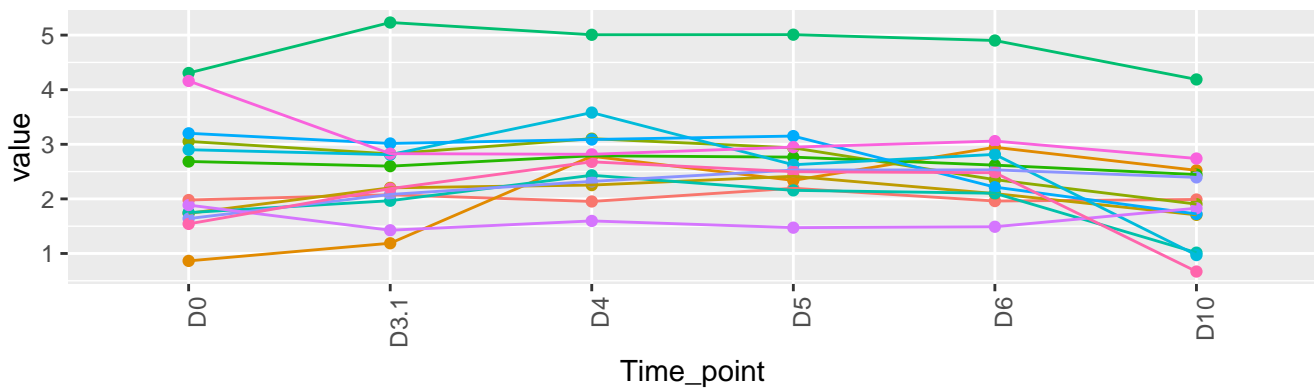
12 genes – KO-cluster-85-original



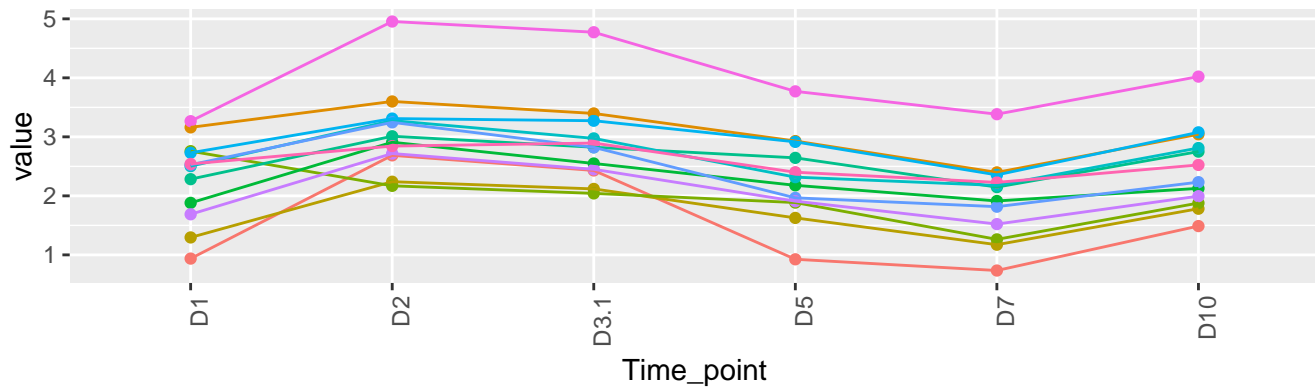
13 genes – WT-cluster-84-original



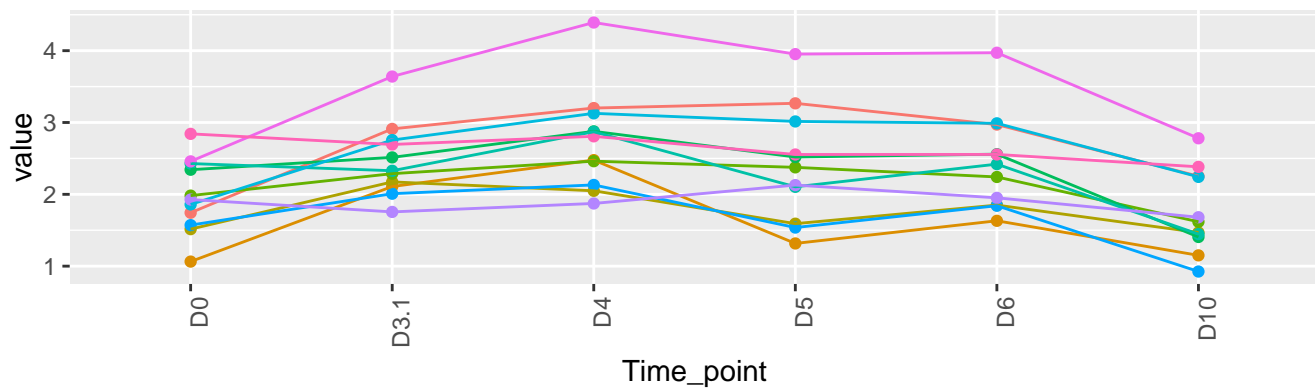
13 genes – KO-cluster-84-original



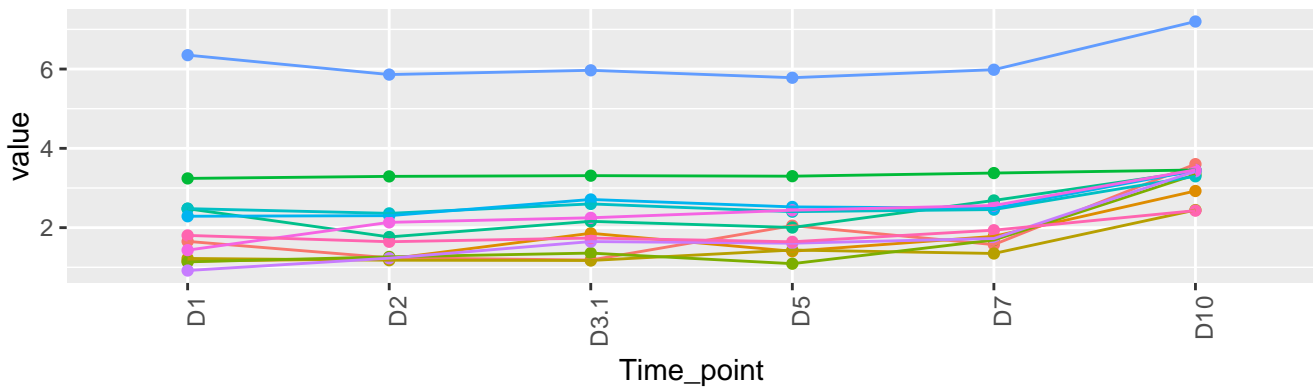
12 genes – WT-cluster-83-original



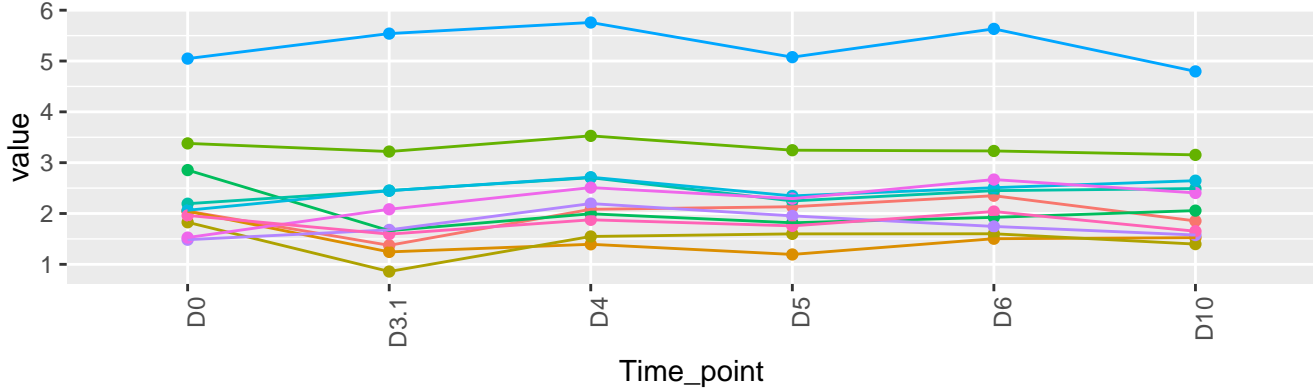
11 genes – KO-cluster-83-original



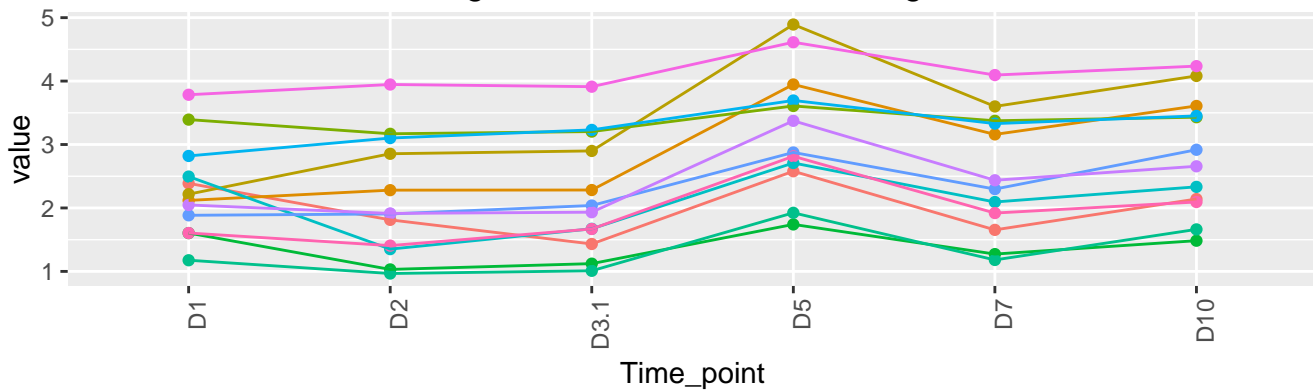
12 genes – WT-cluster-82-original



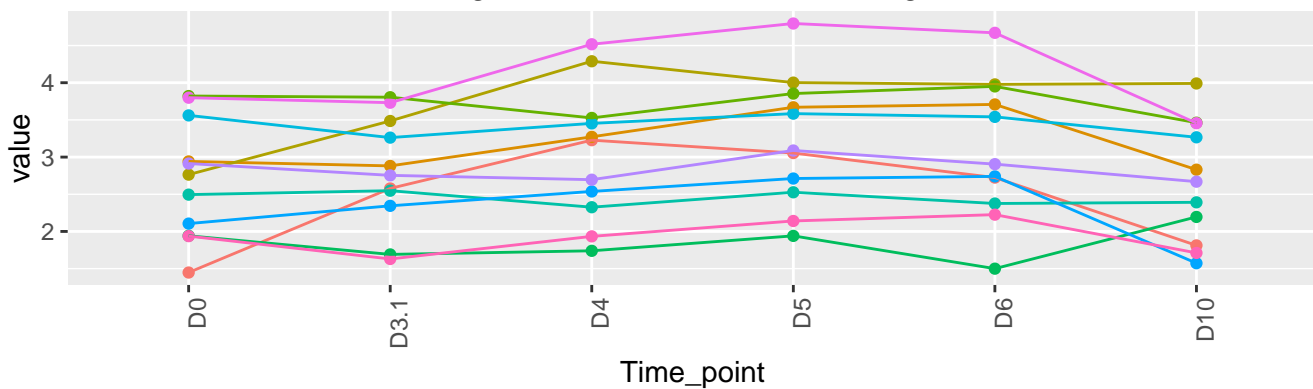
11 genes – KO-cluster-82-original



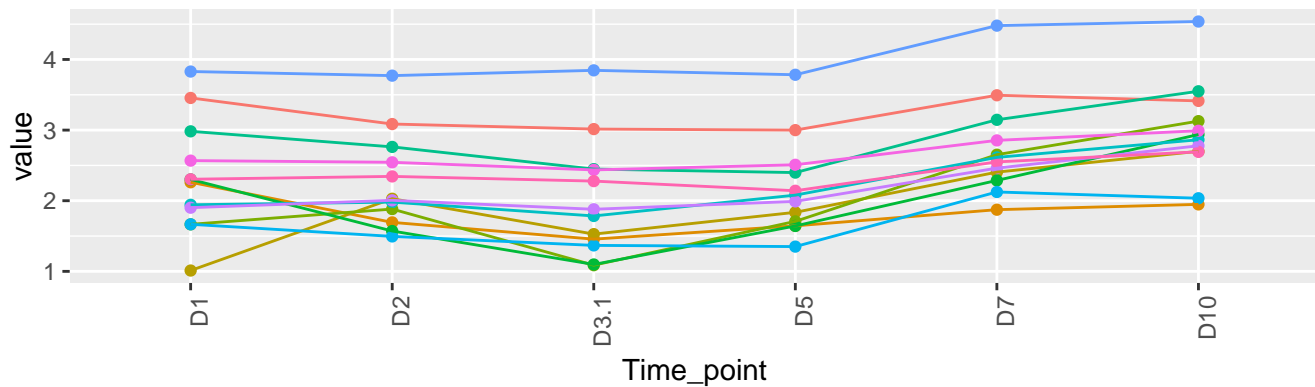
12 genes – WT-cluster-81-original



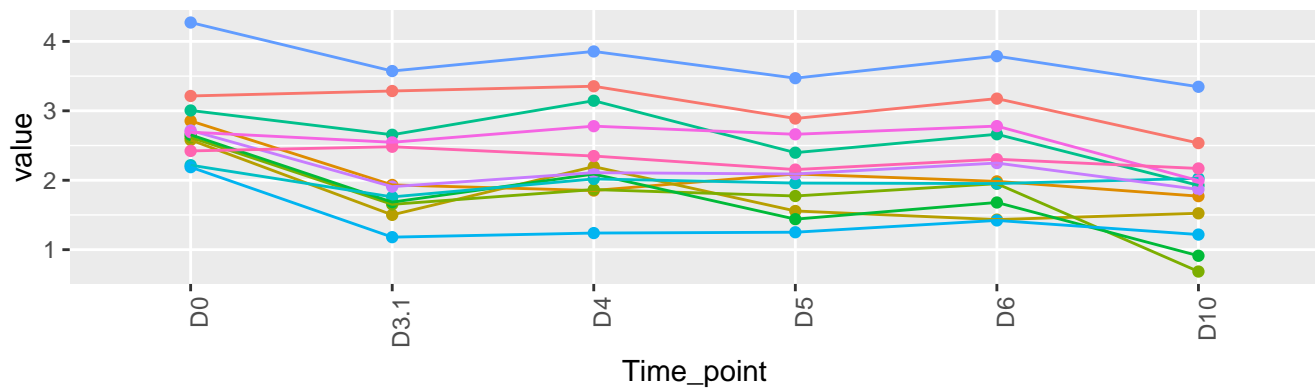
11 genes – KO-cluster-81-original



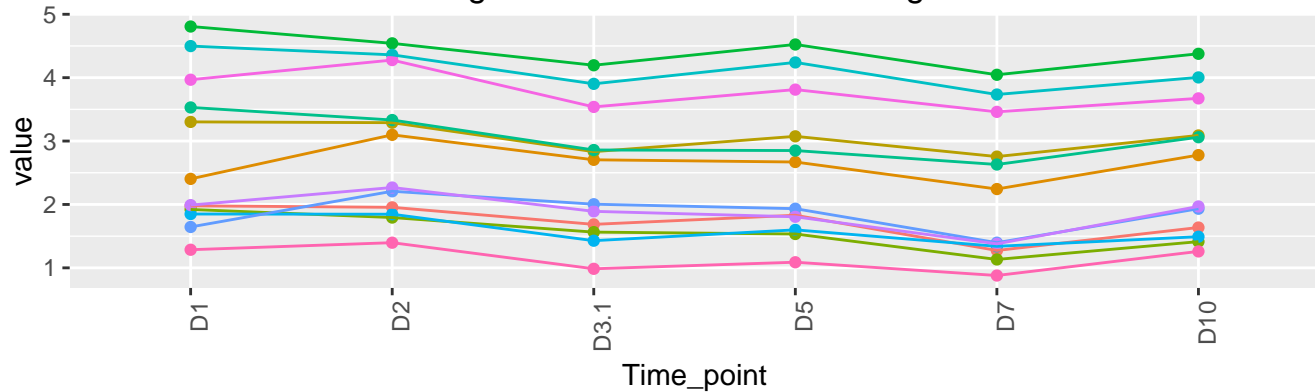
12 genes – WT-cluster-80-original



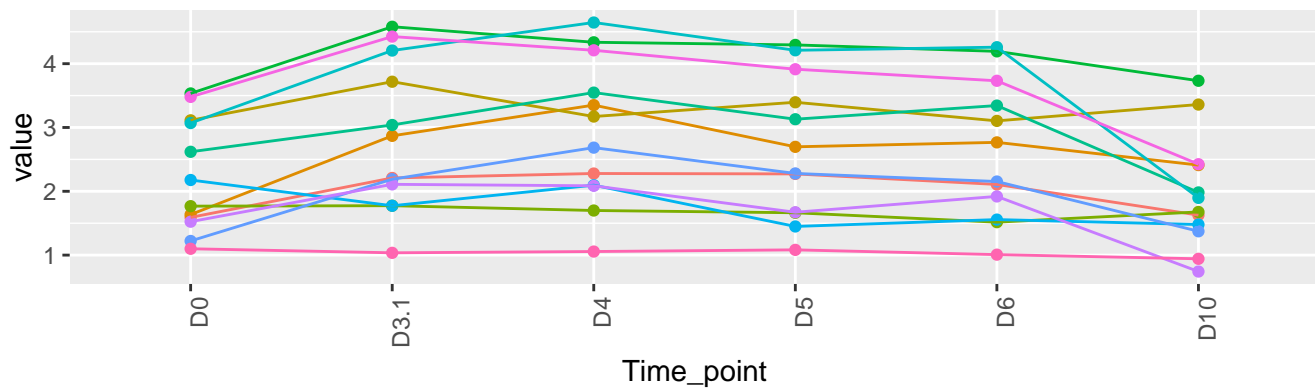
12 genes – KO-cluster-80-original



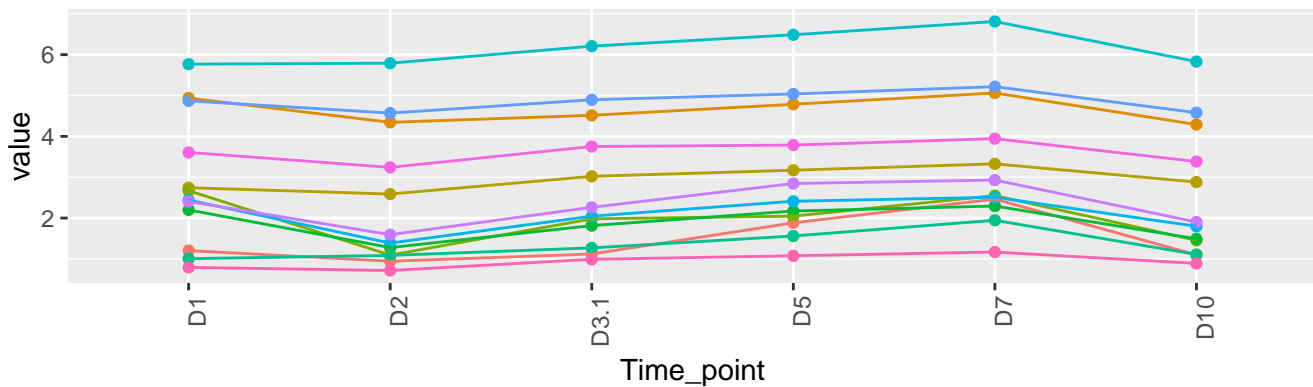
12 genes – WT-cluster-79-original



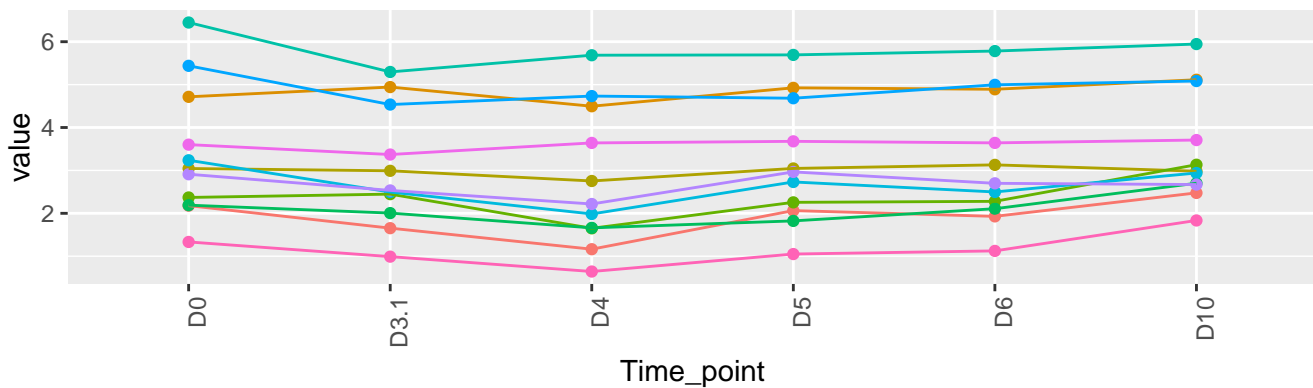
12 genes – KO-cluster-79-original



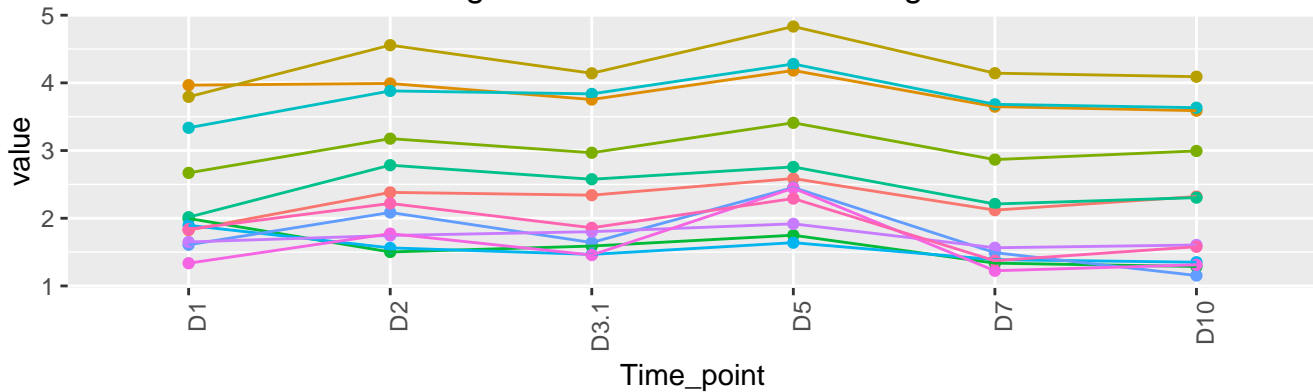
12 genes – WT-cluster-78-original



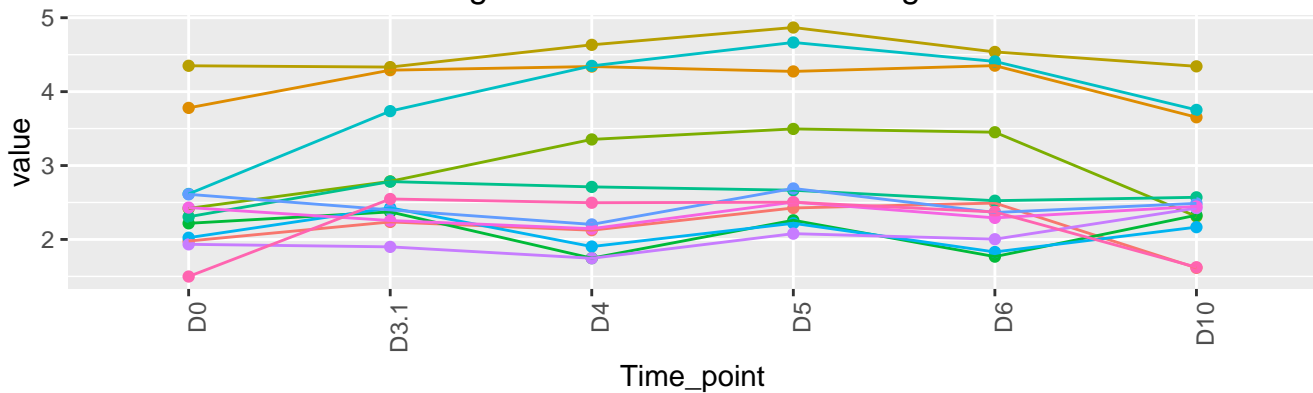
11 genes – KO-cluster-78-original



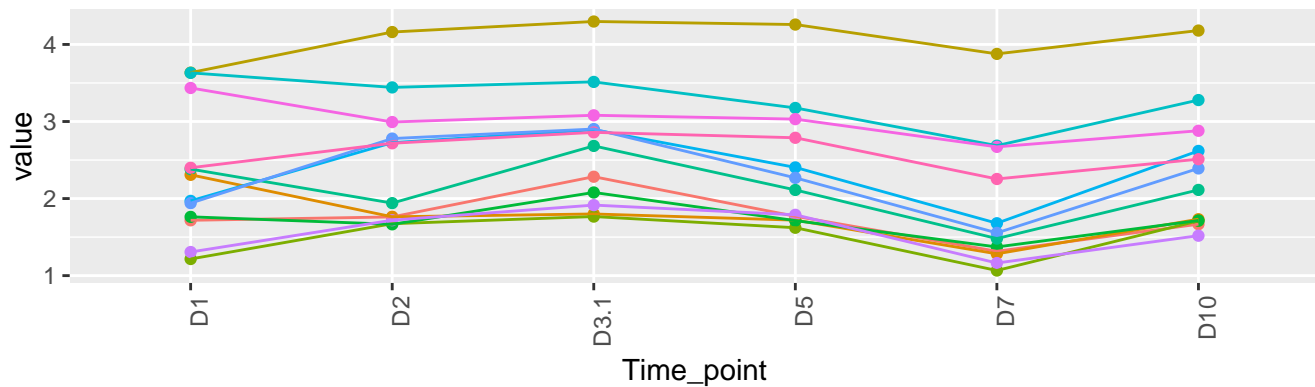
12 genes – WT-cluster-77-original



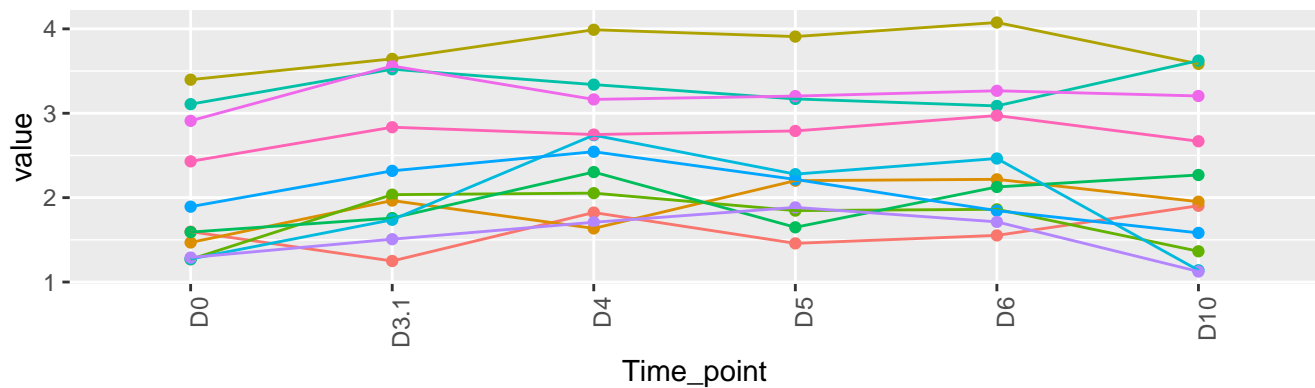
12 genes – KO-cluster-77-original



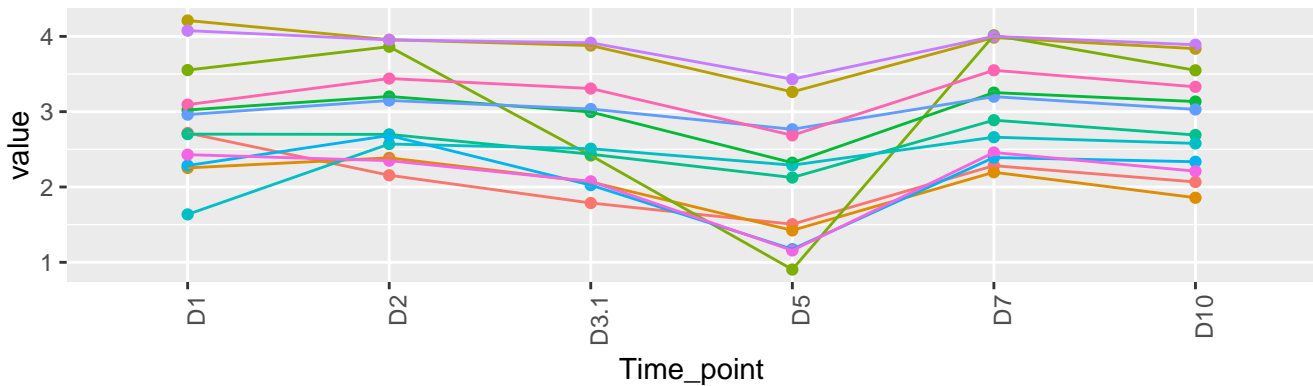
12 genes – WT-cluster-76-original



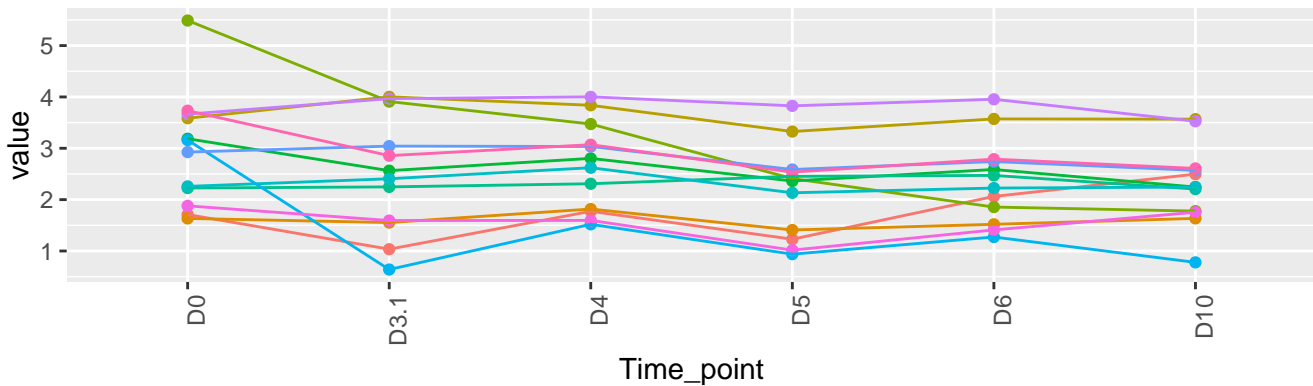
11 genes – KO-cluster-76-original



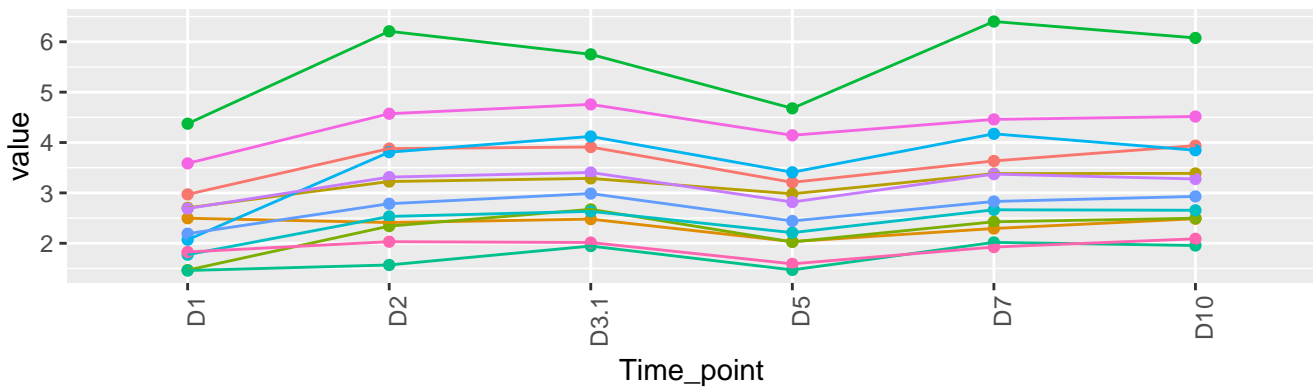
12 genes – WT-cluster-75-original



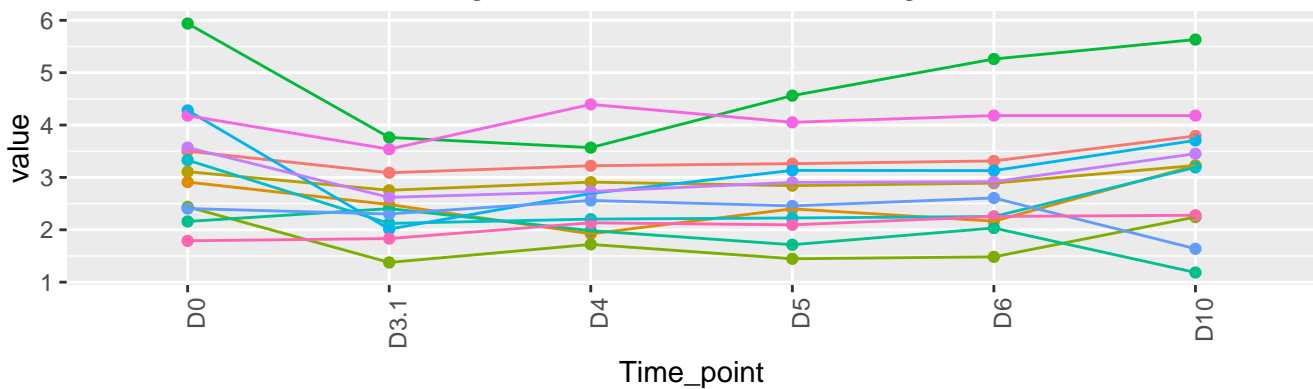
12 genes – KO-cluster-75-original



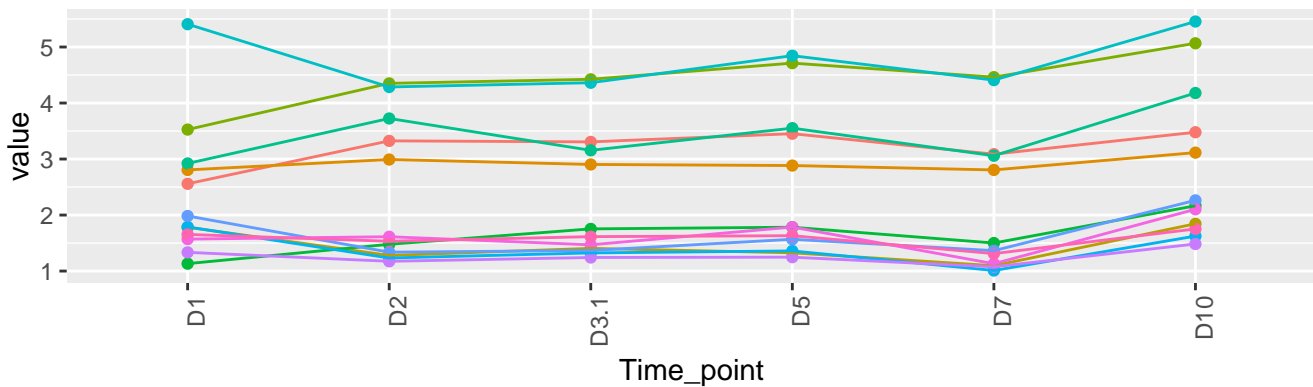
12 genes – WT-cluster-74-original



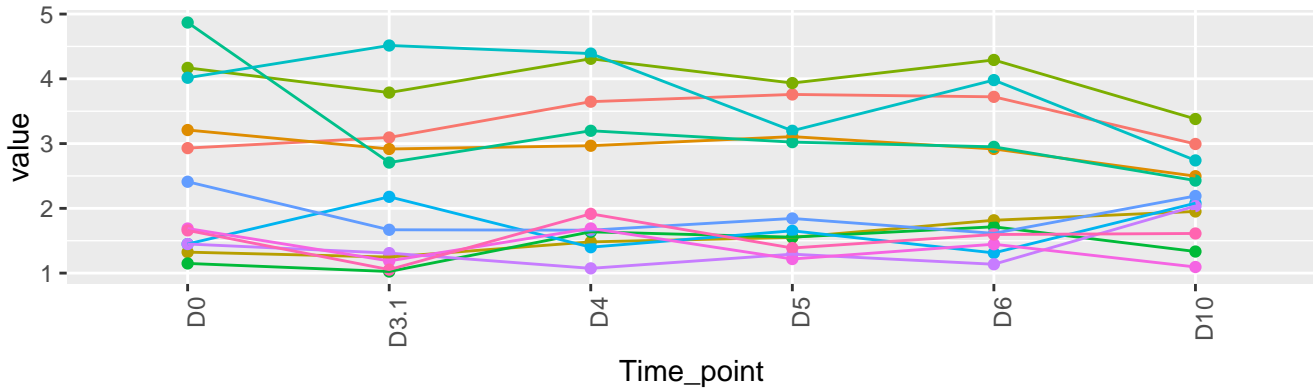
12 genes – KO-cluster-74-original



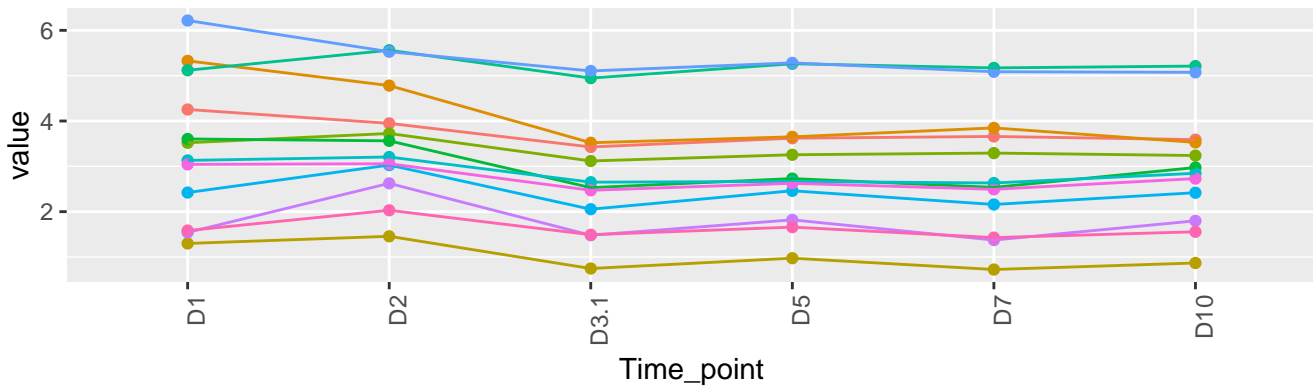
12 genes – WT-cluster-73-original



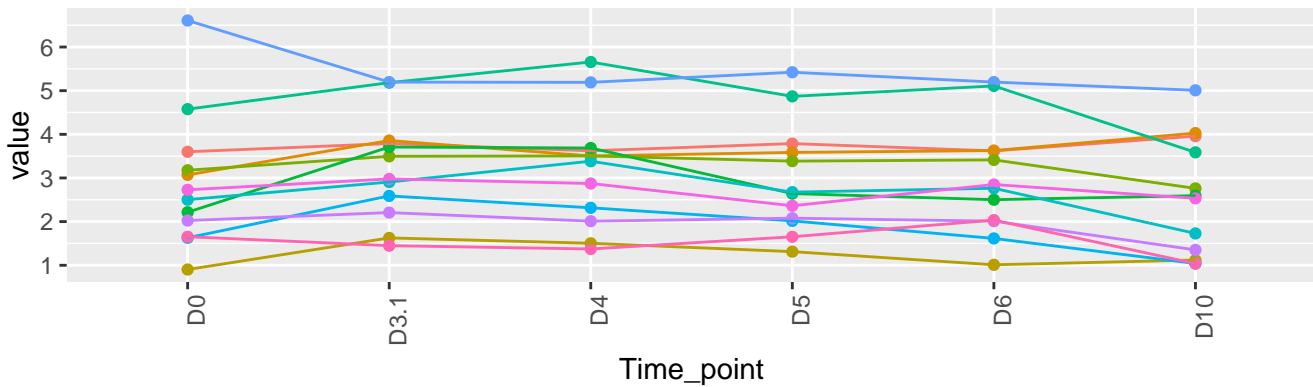
12 genes – KO-cluster-73-original



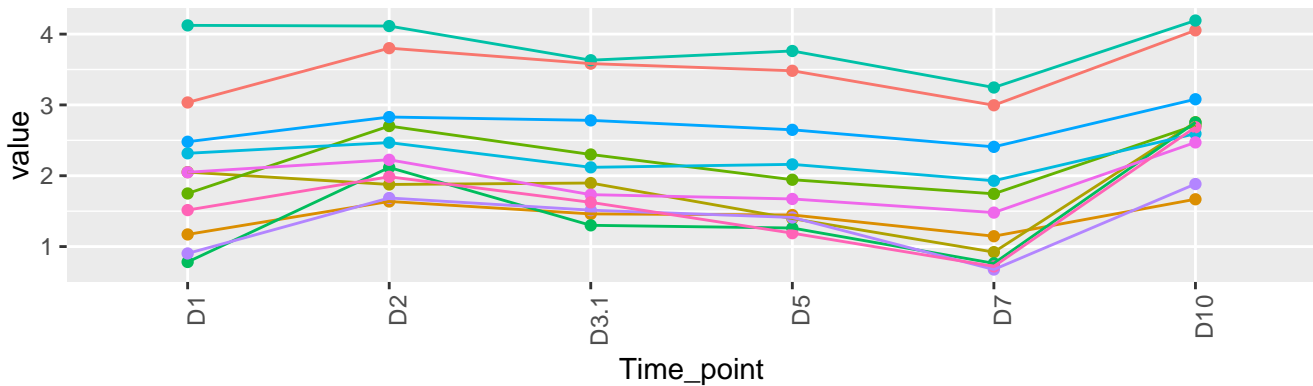
12 genes – WT-cluster-72-original



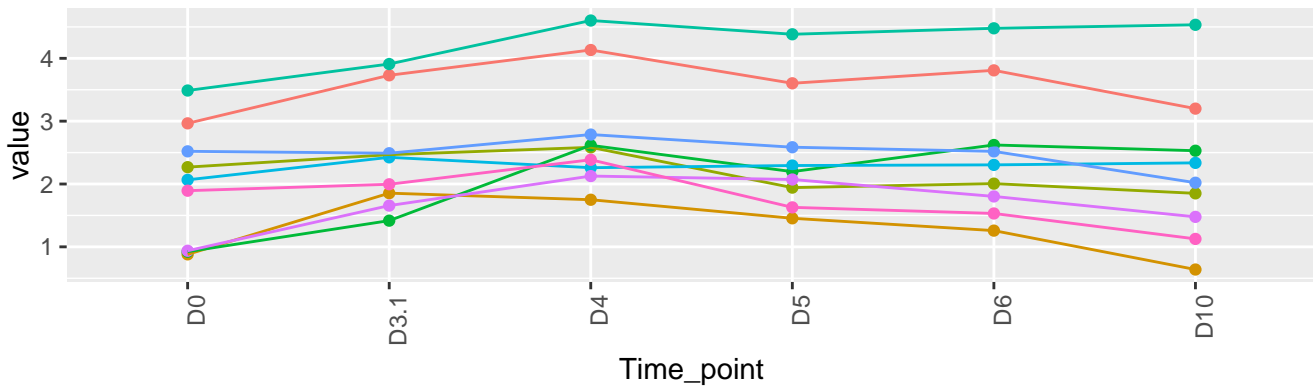
12 genes – KO-cluster-72-original



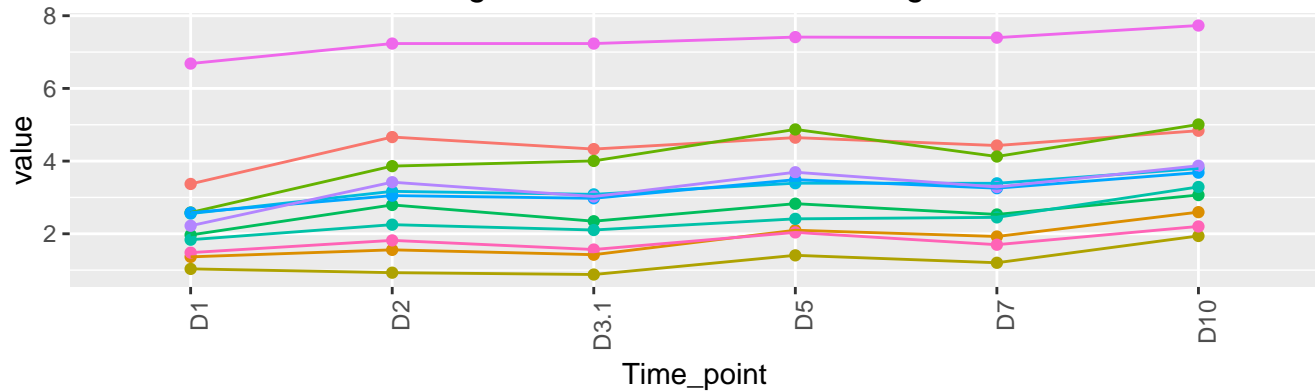
11 genes – WT-cluster-71-original



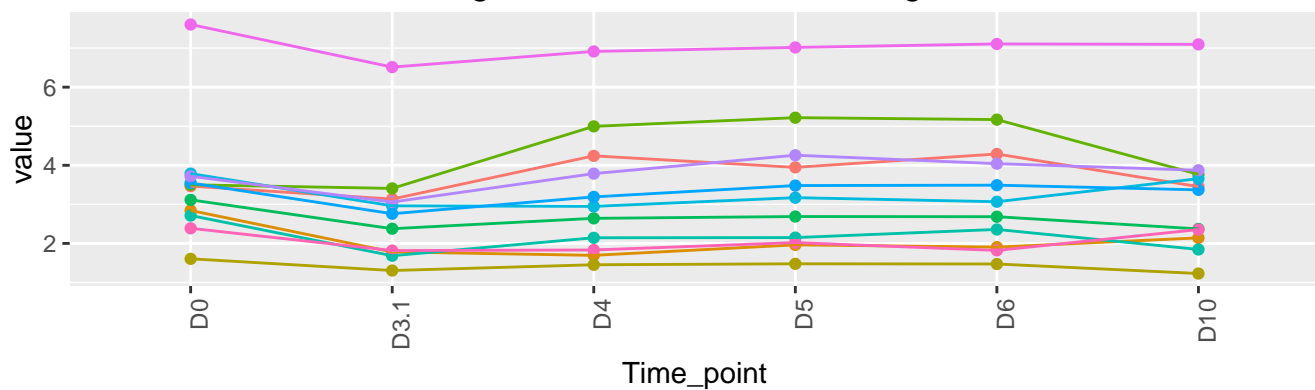
9 genes – KO-cluster-71-original



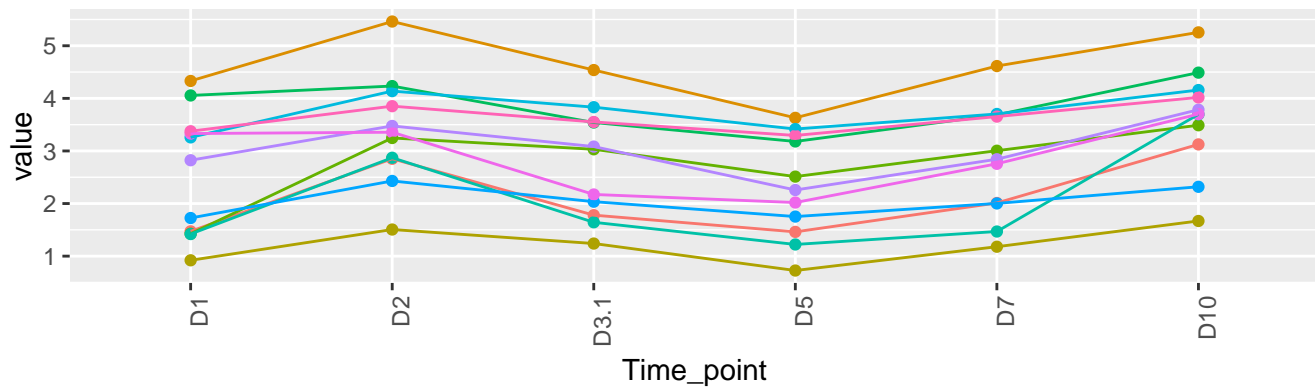
11 genes – WT-cluster-70-original



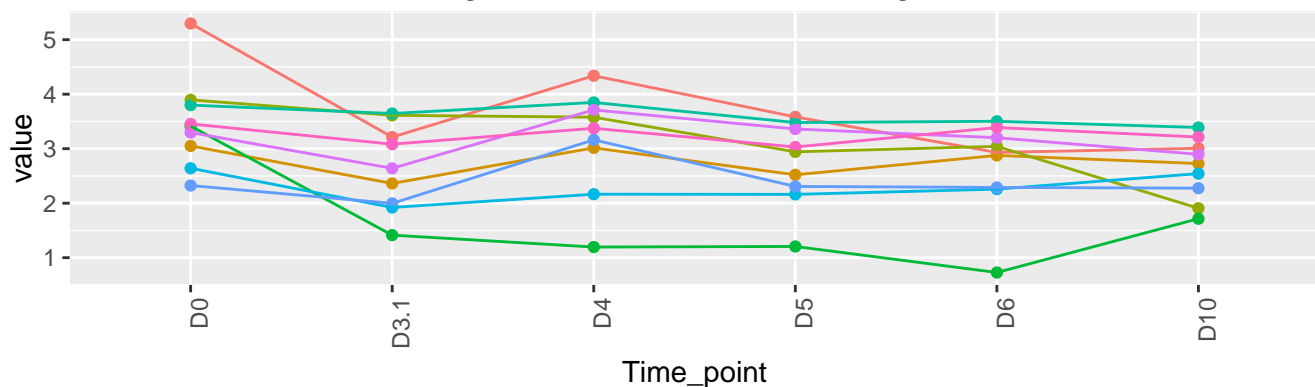
11 genes – KO-cluster-70-original



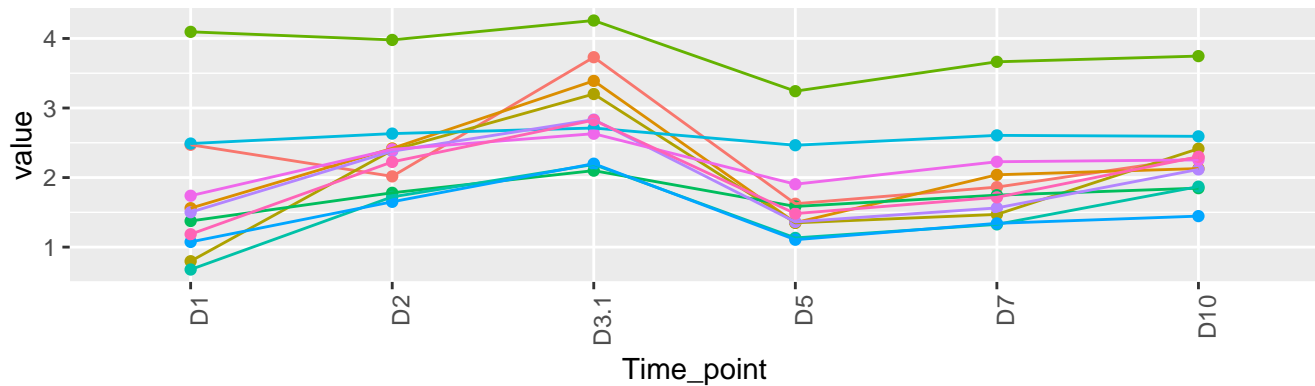
11 genes – WT-cluster-69-original



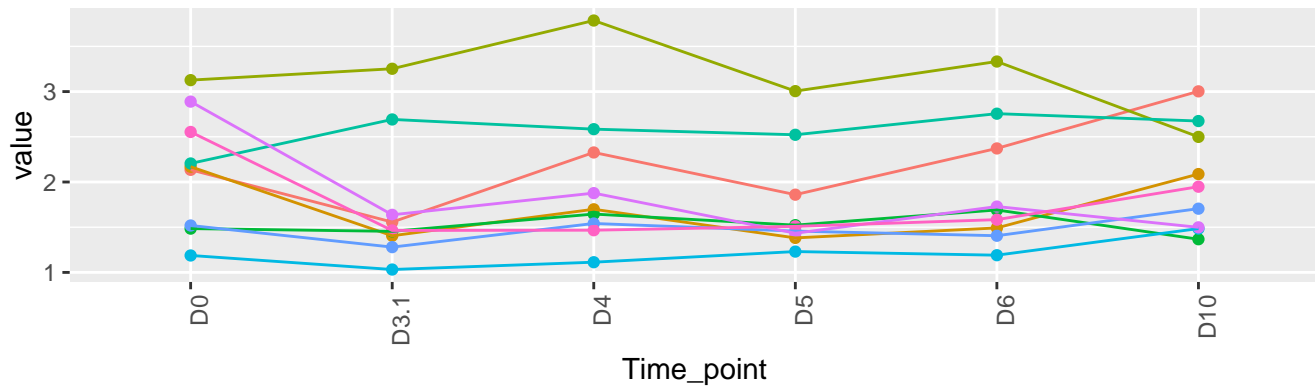
9 genes – KO-cluster-69-original



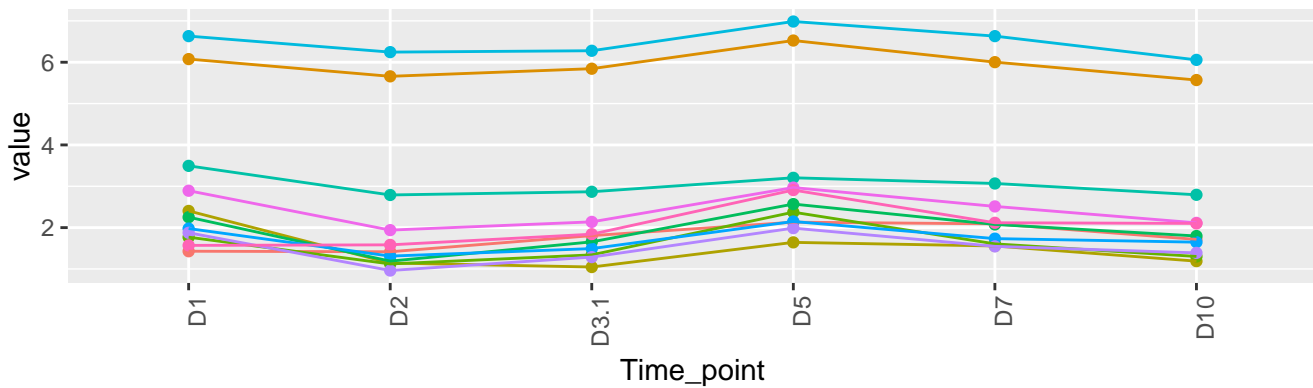
11 genes – WT-cluster-68-original



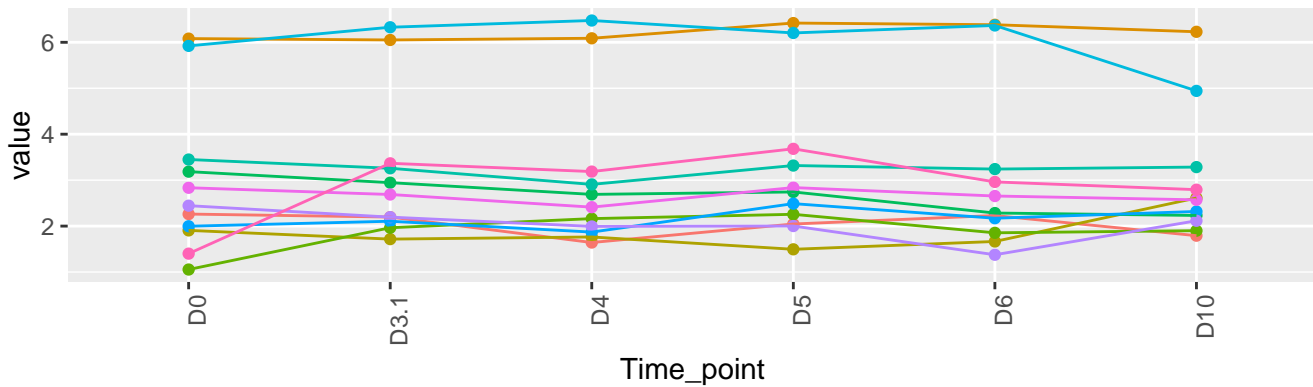
9 genes – KO-cluster-68-original



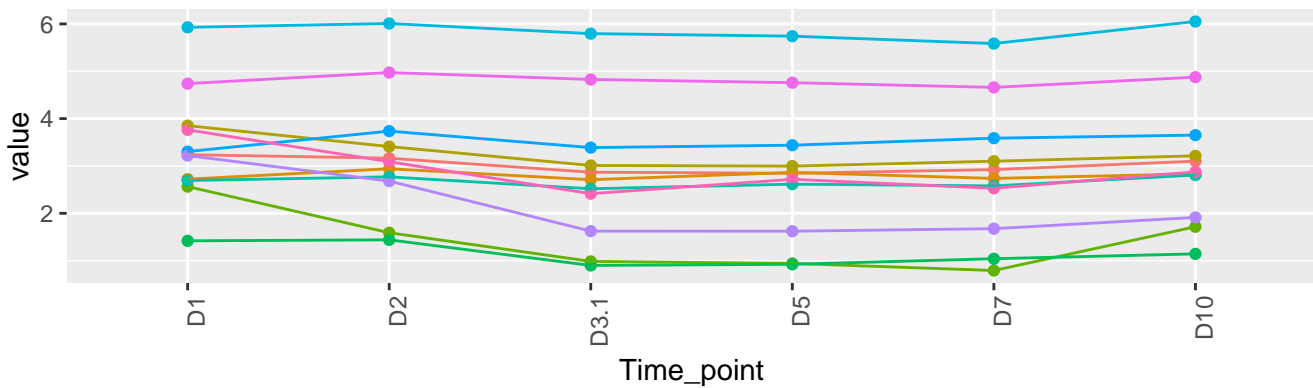
11 genes – WT-cluster-67-original



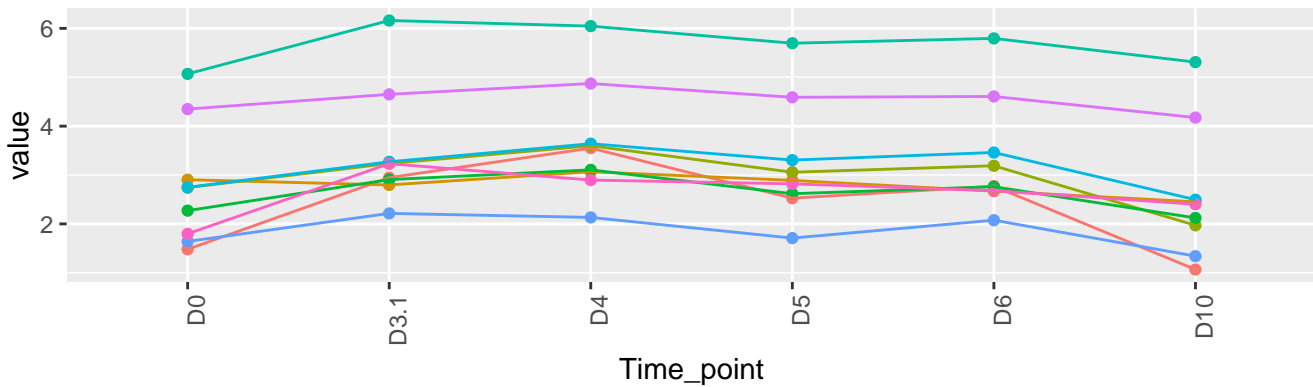
11 genes – KO-cluster-67-original



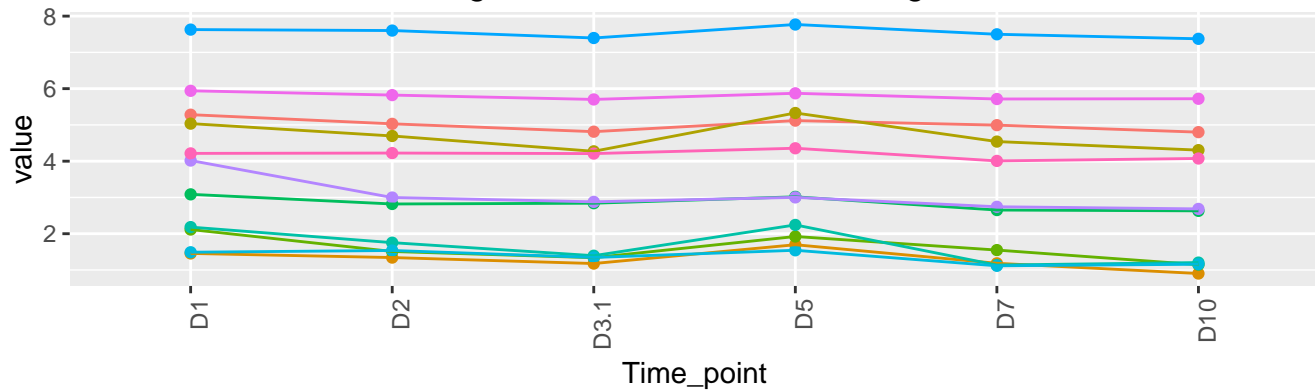
11 genes – WT-cluster-66-original



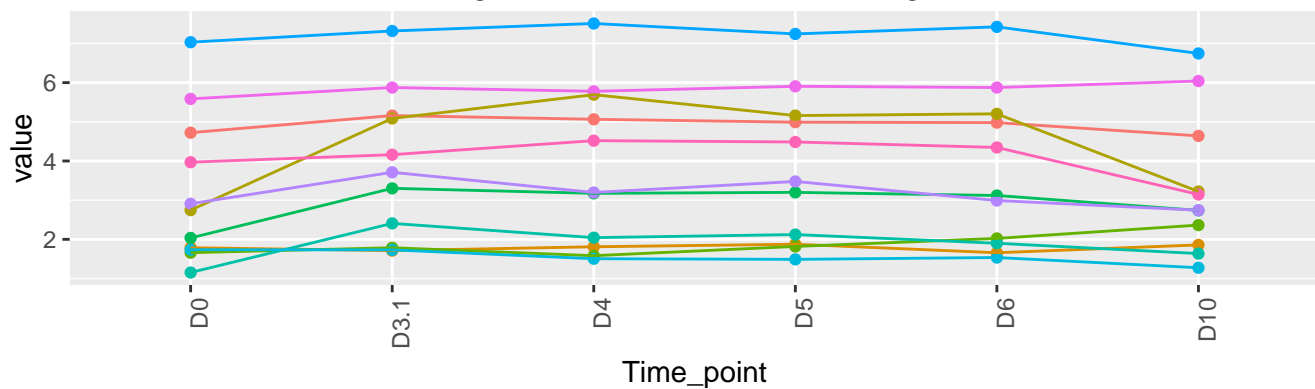
9 genes – KO-cluster-66-original



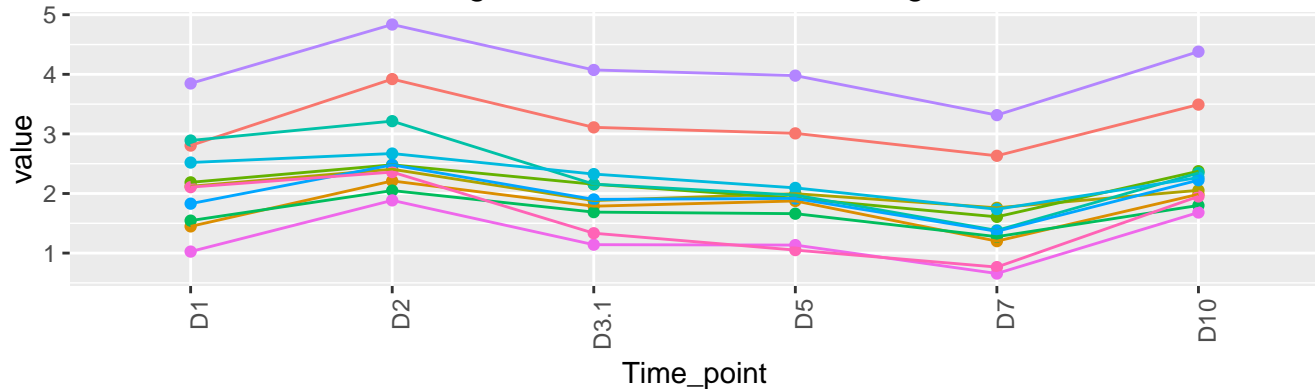
11 genes – WT-cluster-65-original



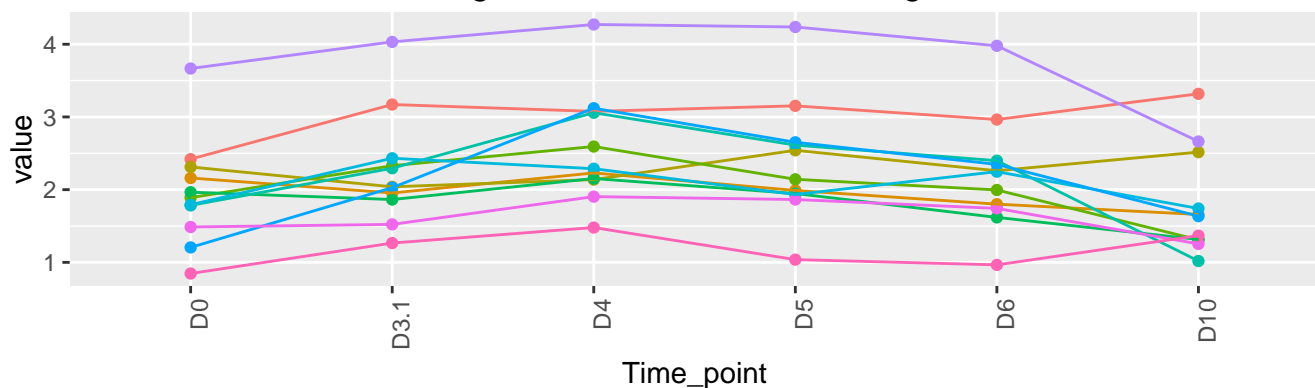
11 genes – KO-cluster-65-original



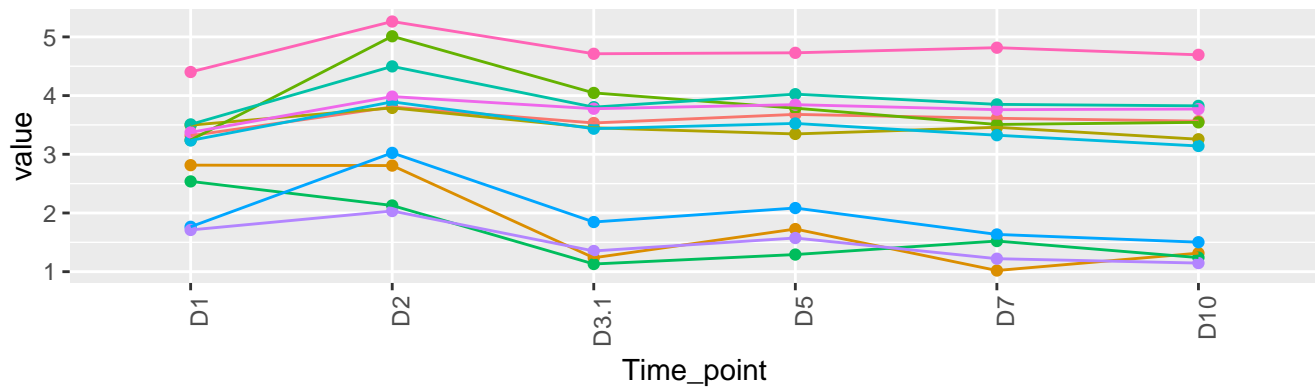
11 genes – WT-cluster-64-original



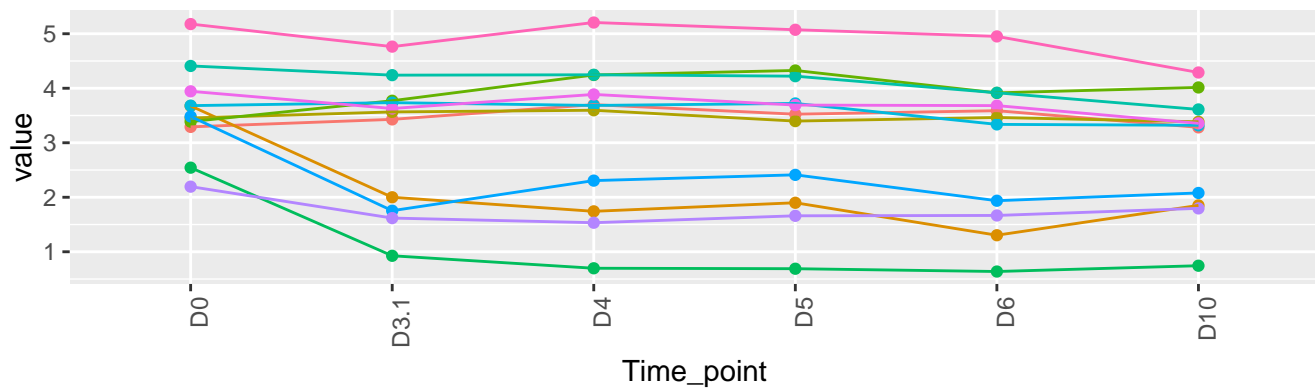
11 genes – KO-cluster-64-original



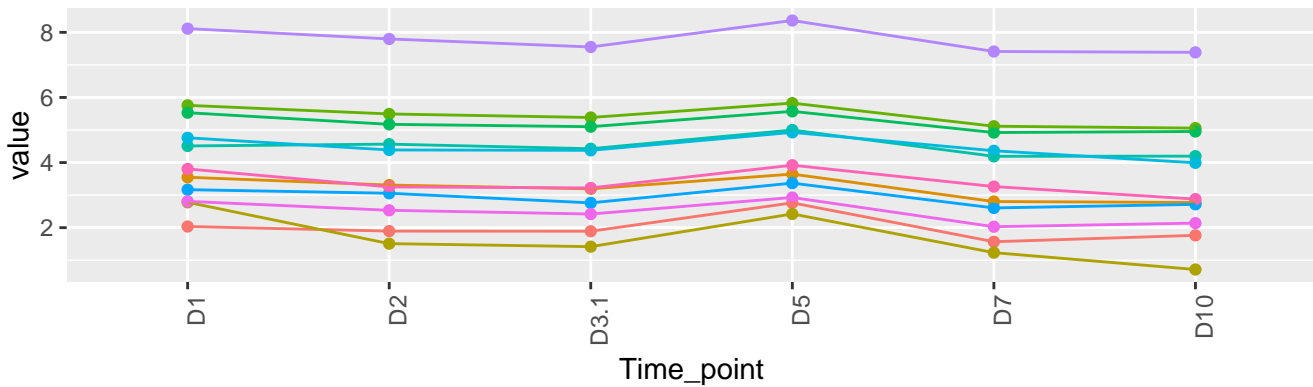
11 genes – WT-cluster-63-original



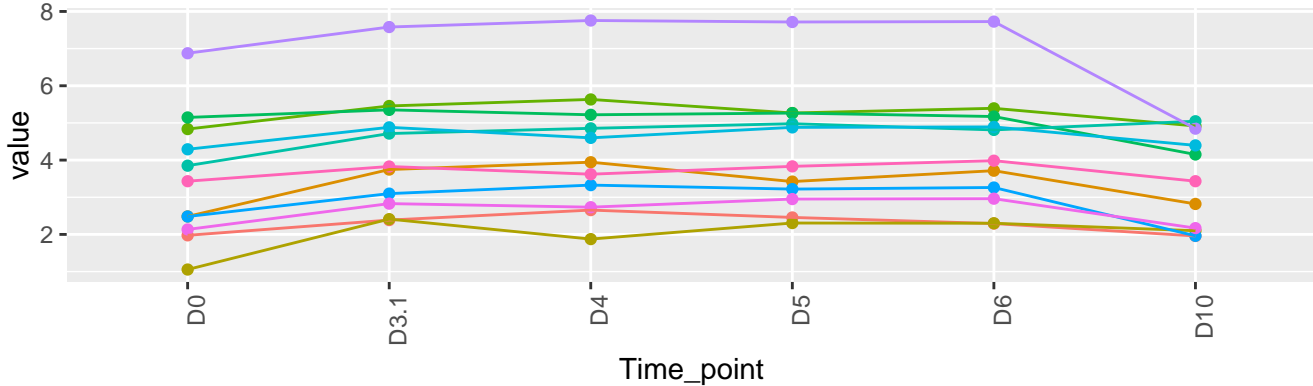
11 genes – KO-cluster-63-original



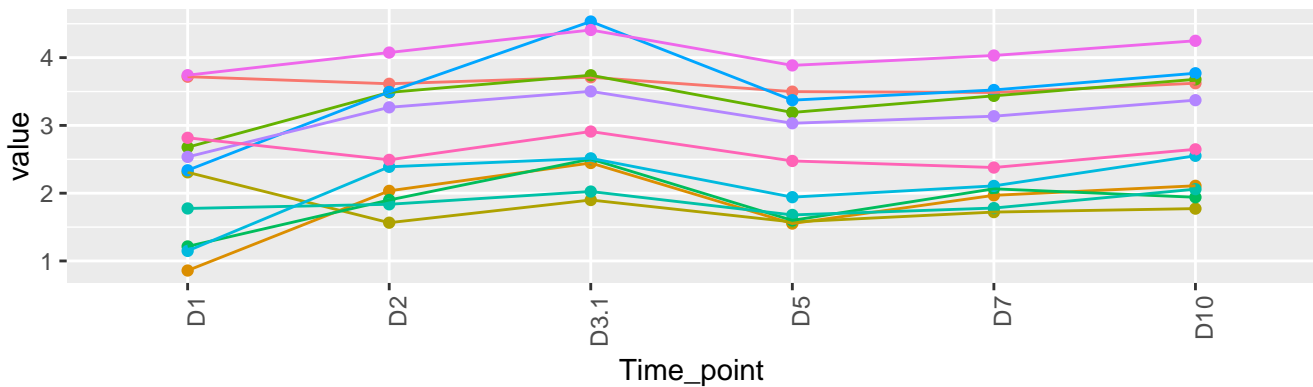
11 genes – WT-cluster-62-original



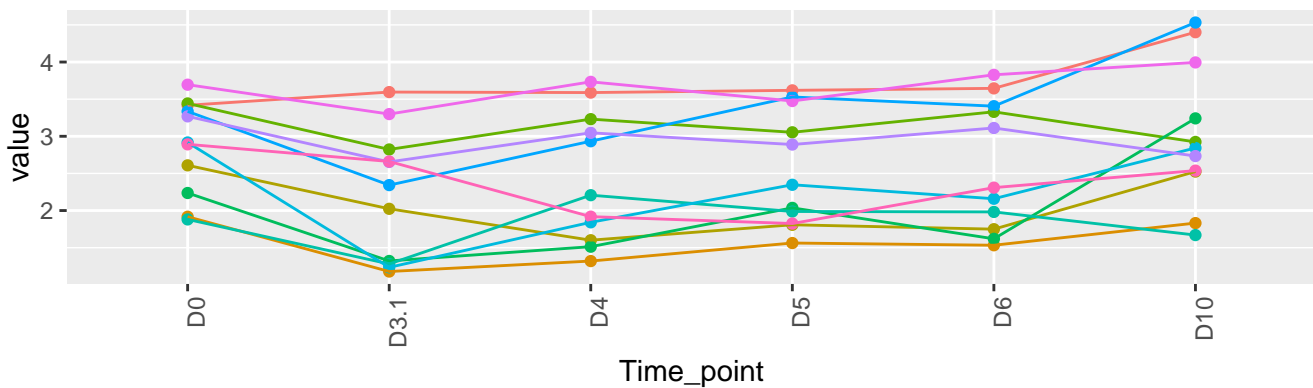
11 genes – KO-cluster-62-original



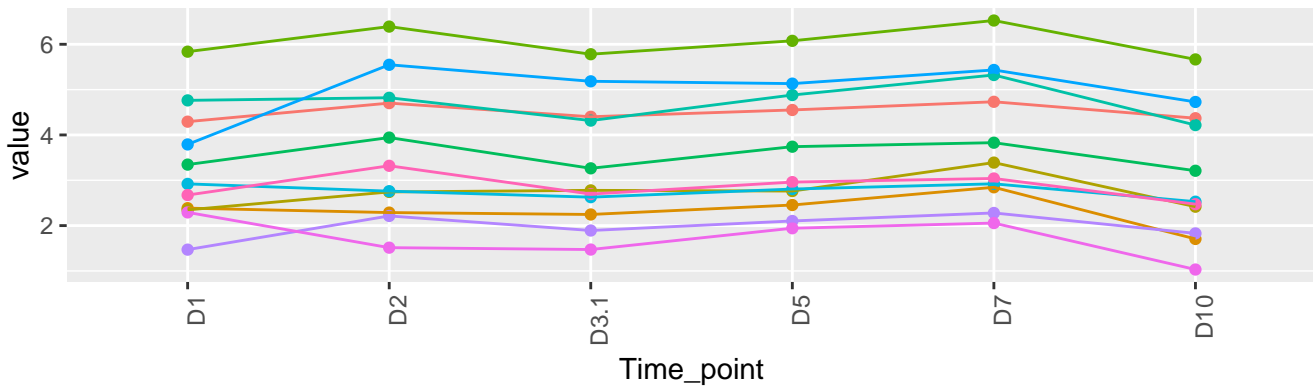
11 genes – WT-cluster-61-original



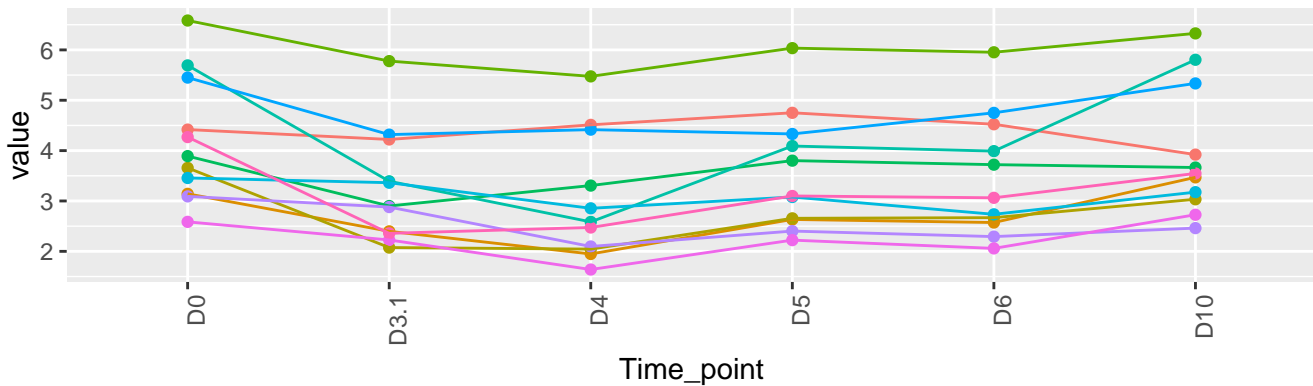
11 genes – KO-cluster-61-original



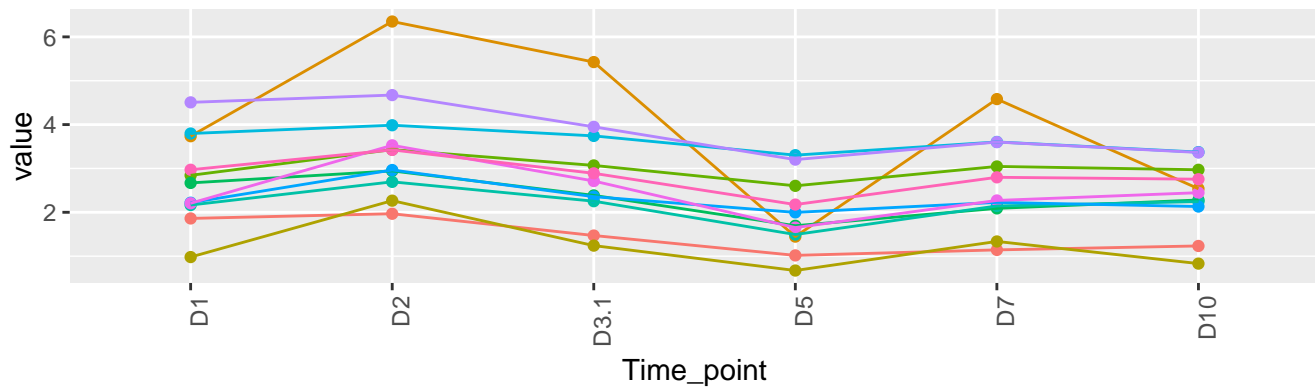
11 genes – WT-cluster-60-original



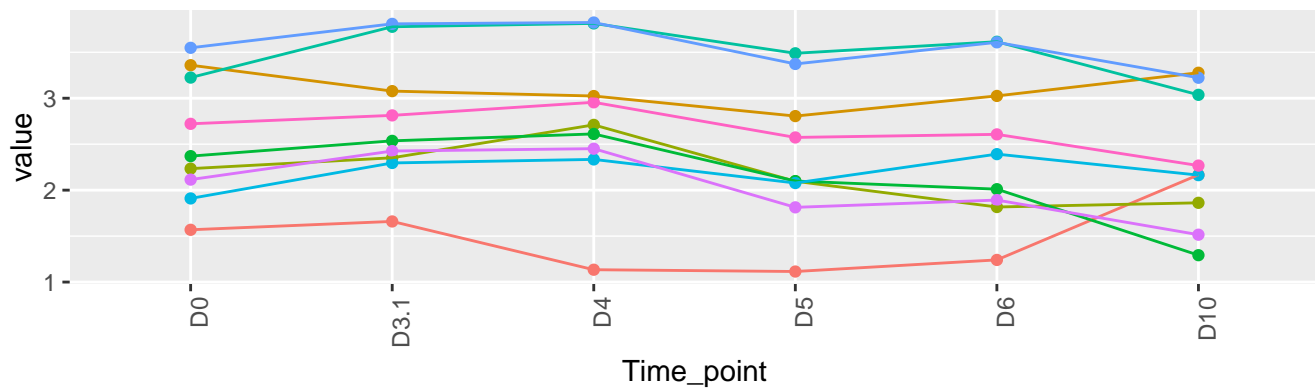
11 genes – KO-cluster-60-original



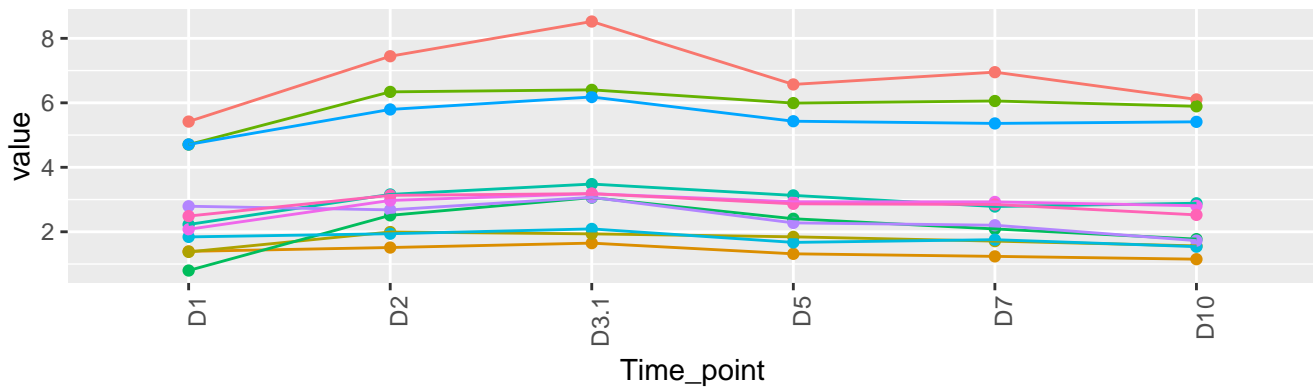
11 genes – WT-cluster-59-original



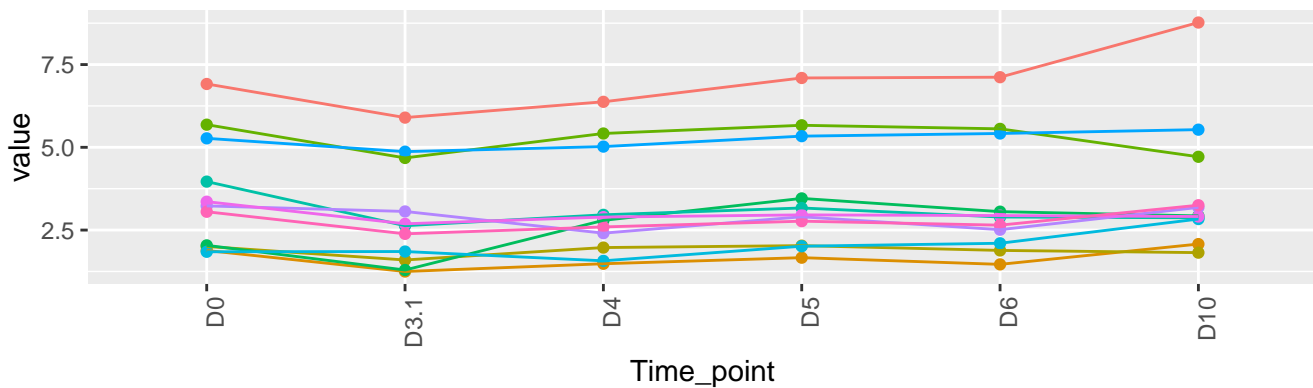
9 genes – KO-cluster-59-original



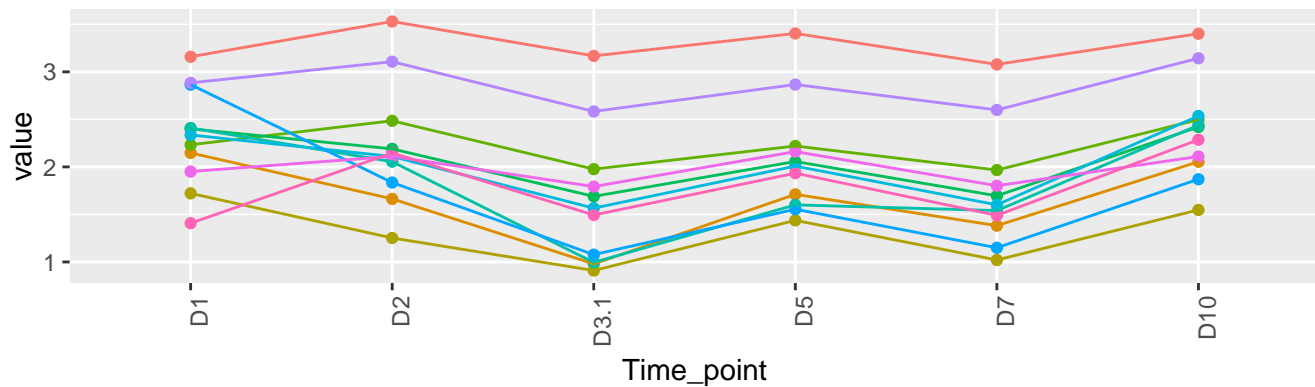
11 genes – WT-cluster-58-original



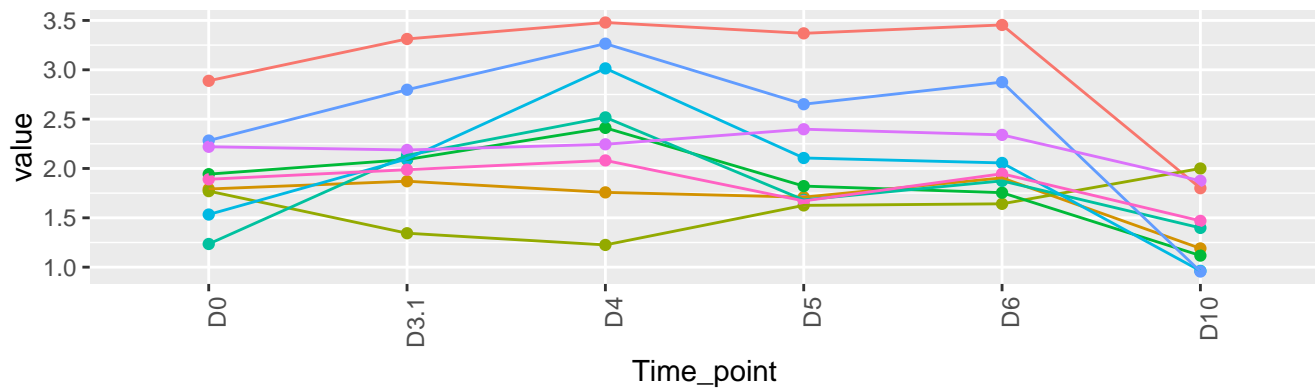
11 genes – KO-cluster-58-original



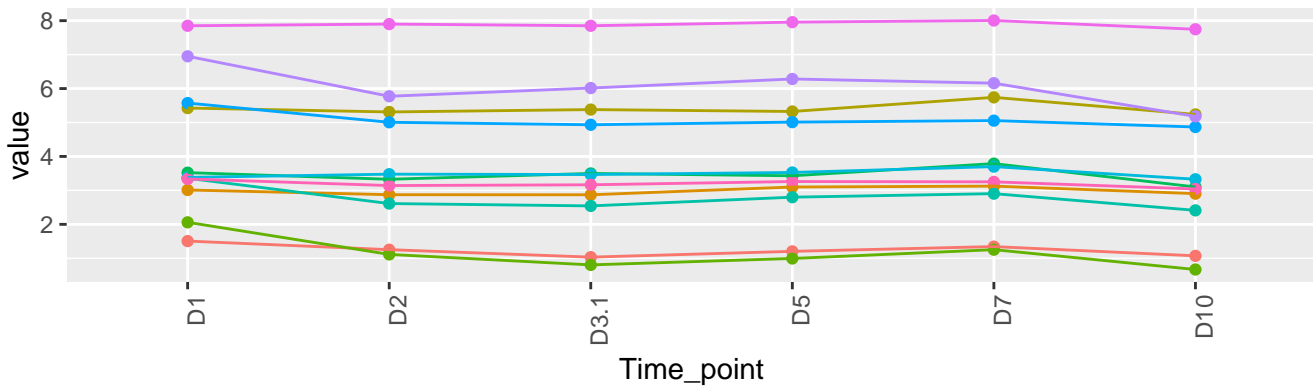
11 genes – WT-cluster-57-original



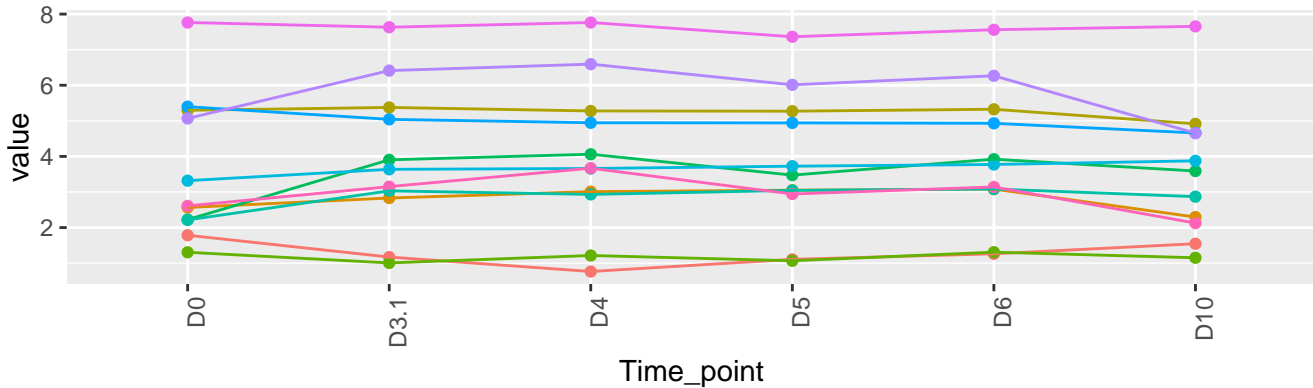
9 genes – KO-cluster-57-original



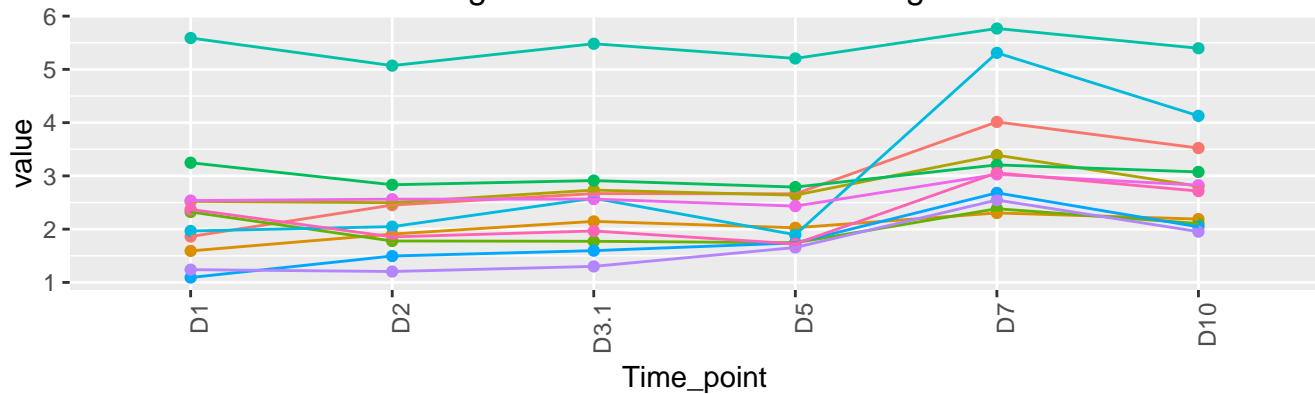
11 genes – WT-cluster-56-original



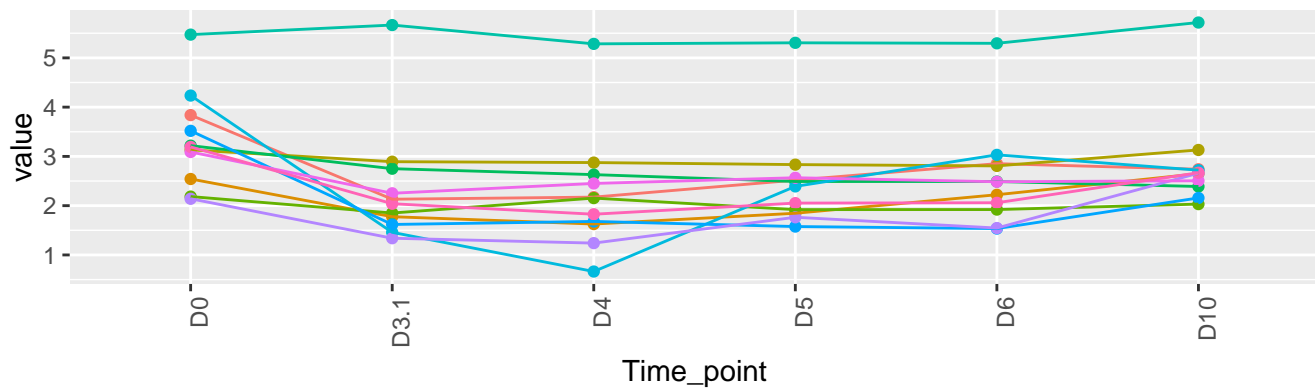
11 genes – KO-cluster-56-original



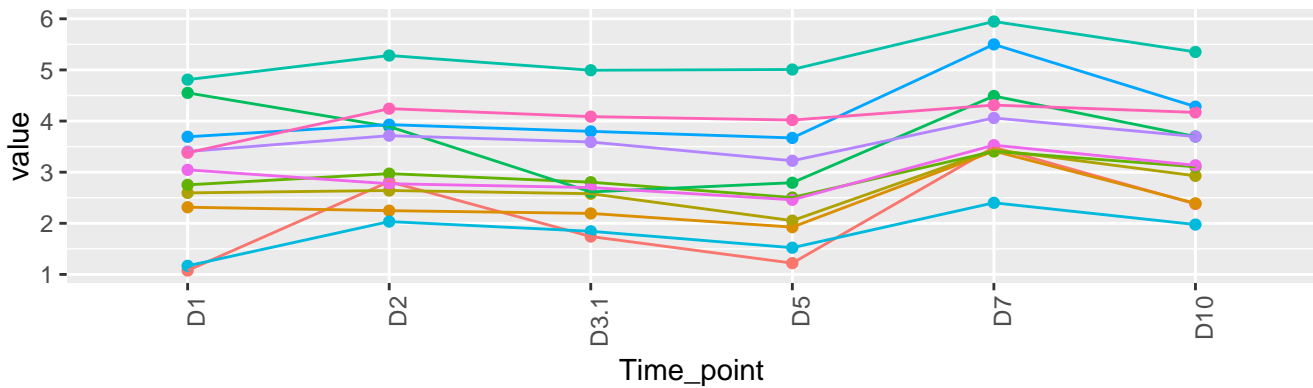
11 genes – WT-cluster-55-original



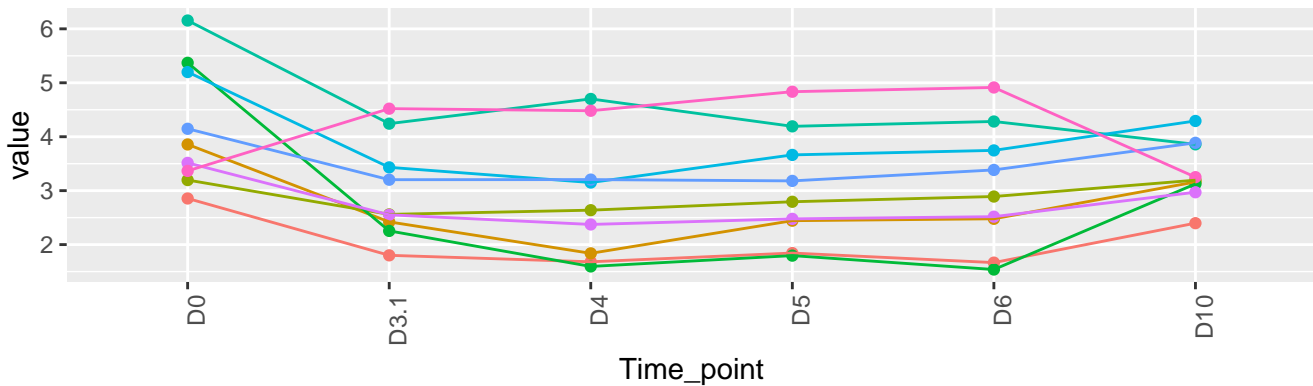
11 genes – KO-cluster-55-original



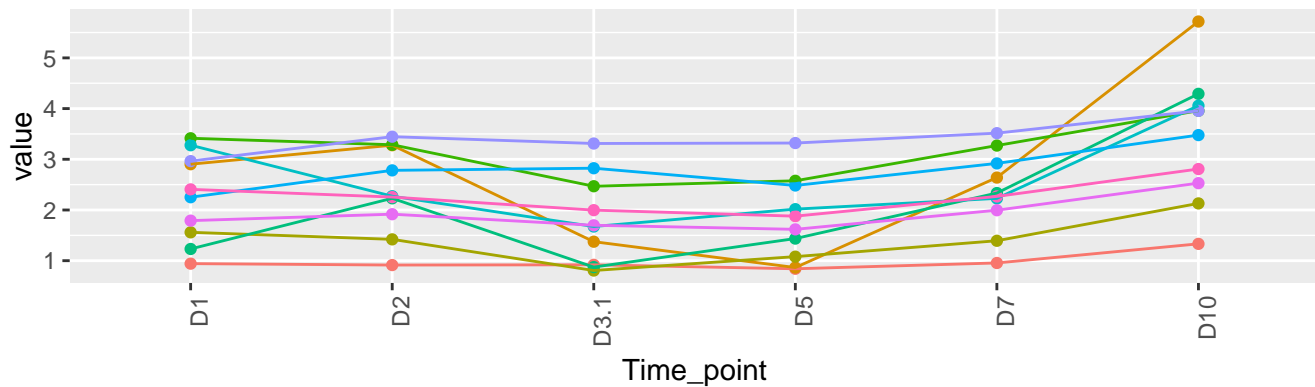
11 genes – WT-cluster-54-original



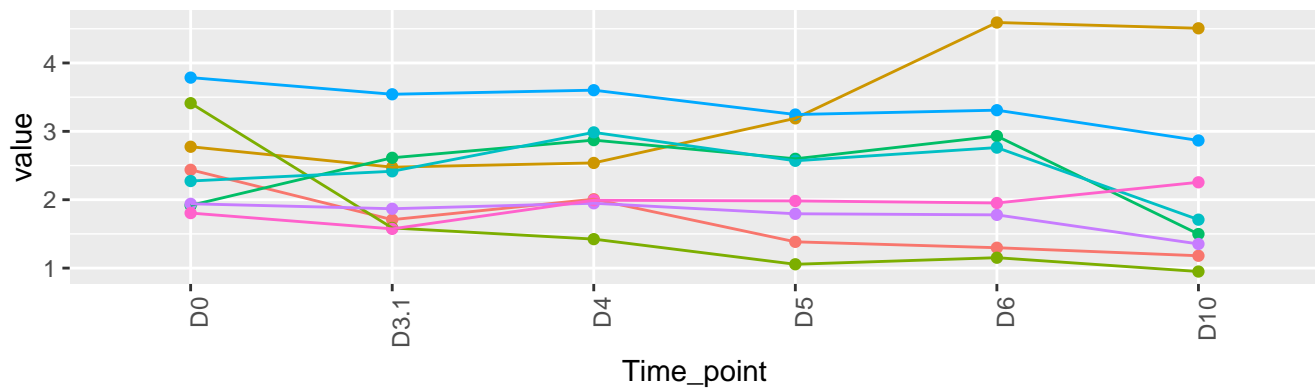
9 genes – KO-cluster-54-original



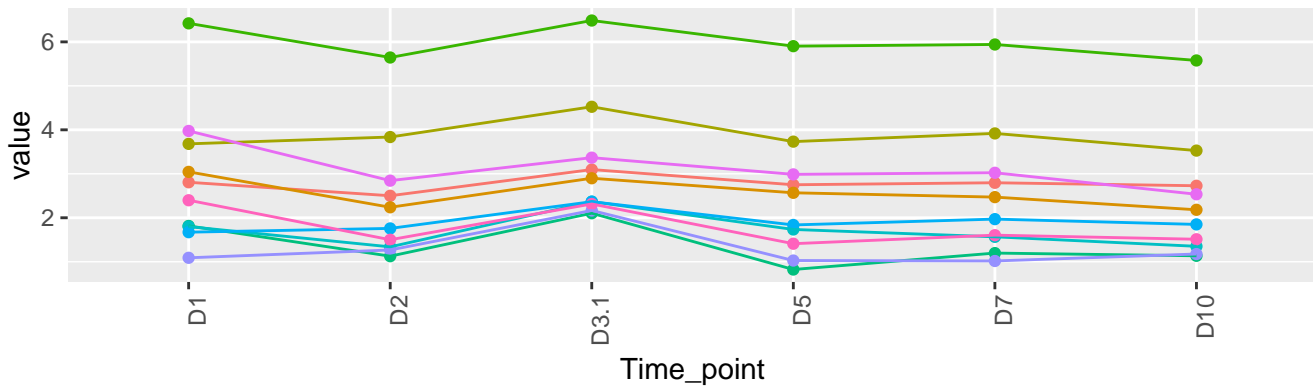
10 genes – WT-cluster-53-original



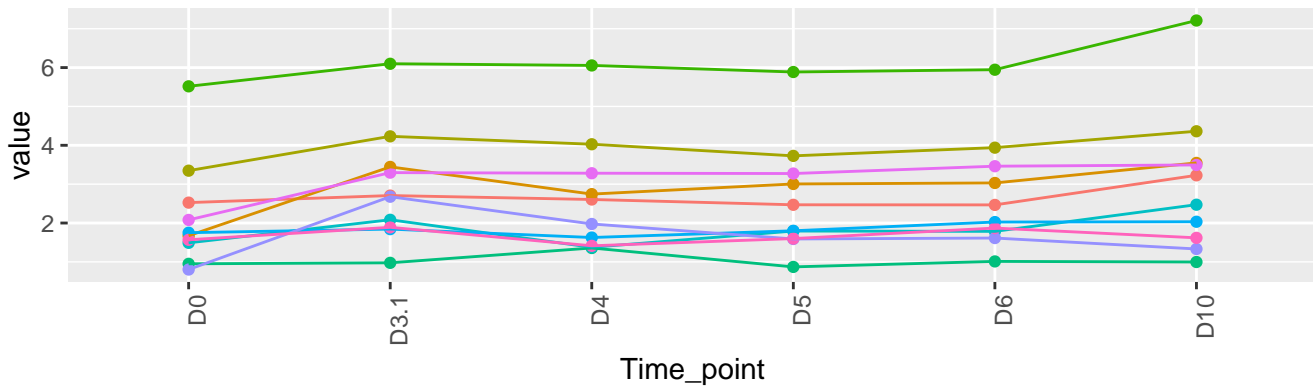
8 genes – KO-cluster-53-original



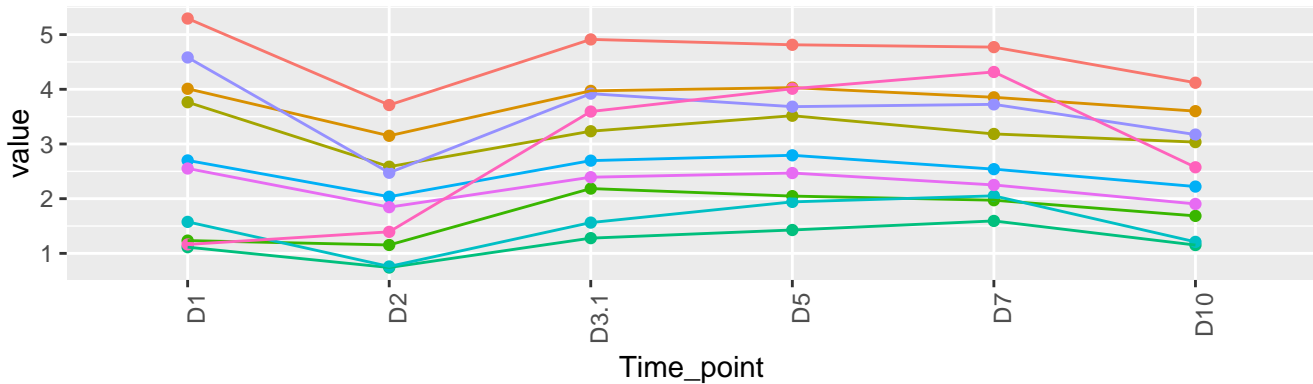
10 genes – WT-cluster-52-original



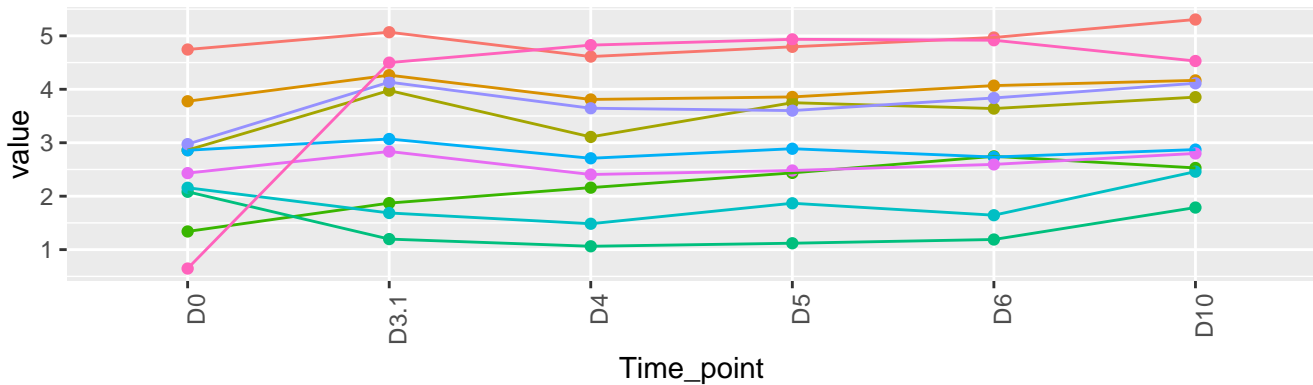
10 genes – KO-cluster-52-original



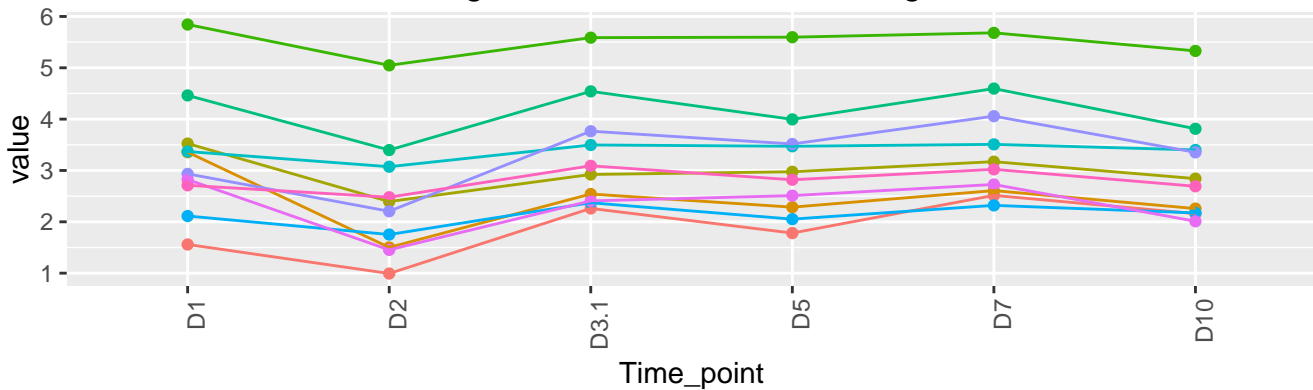
10 genes – WT-cluster-51-original



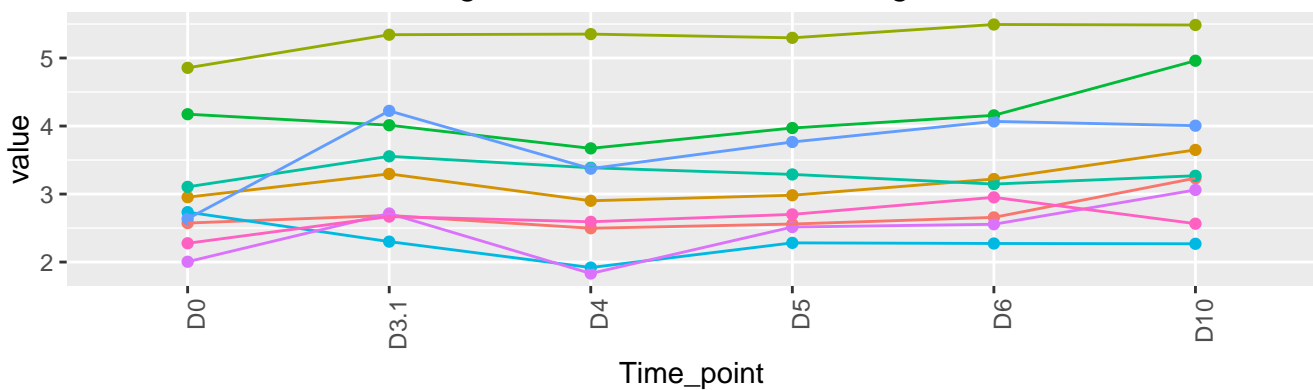
10 genes – KO-cluster-51-original



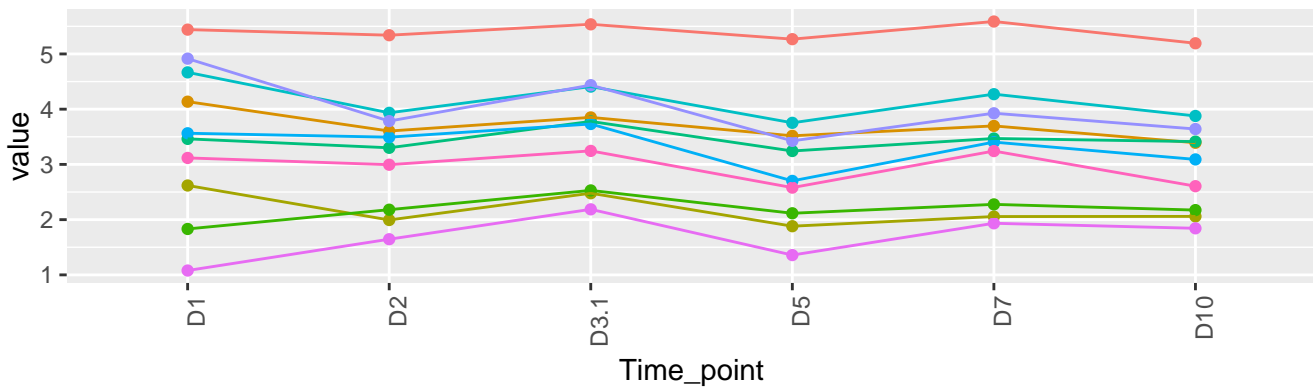
10 genes – WT-cluster-50-original



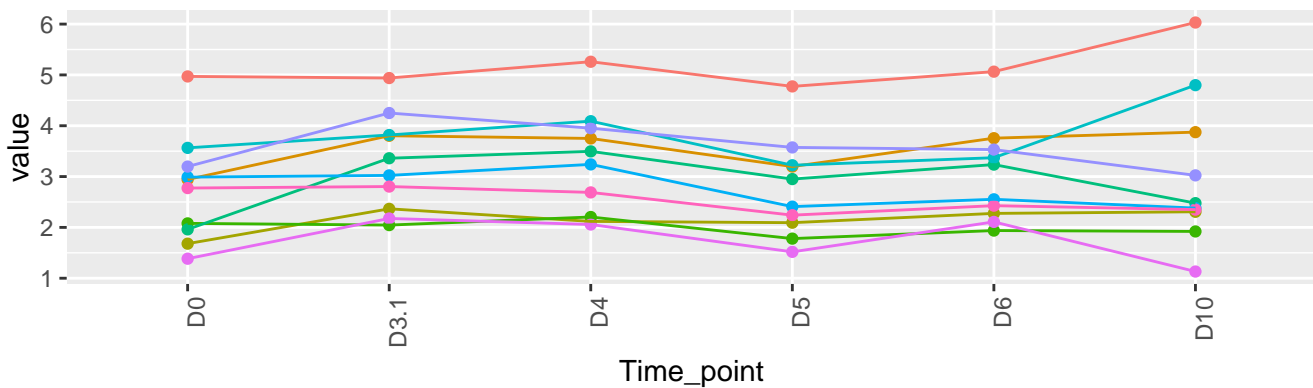
9 genes – KO-cluster-50-original



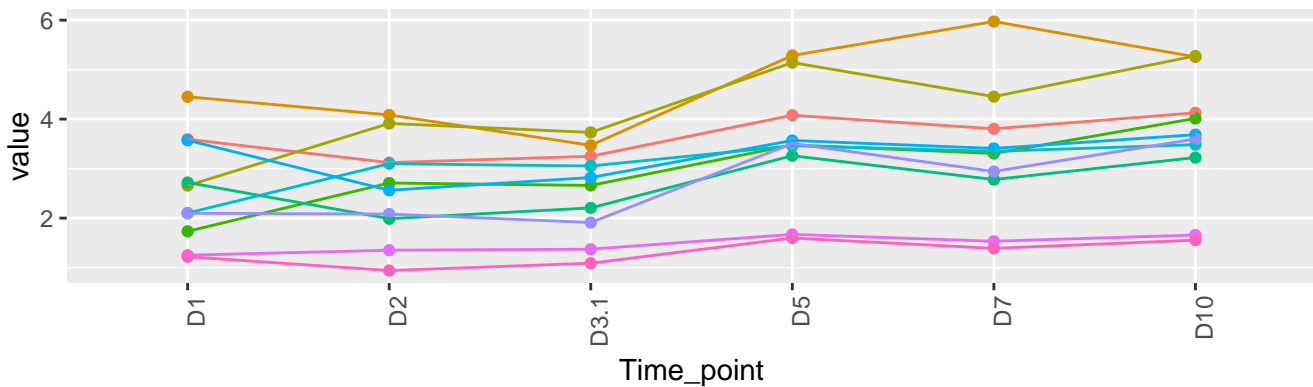
10 genes – WT-cluster-49-original



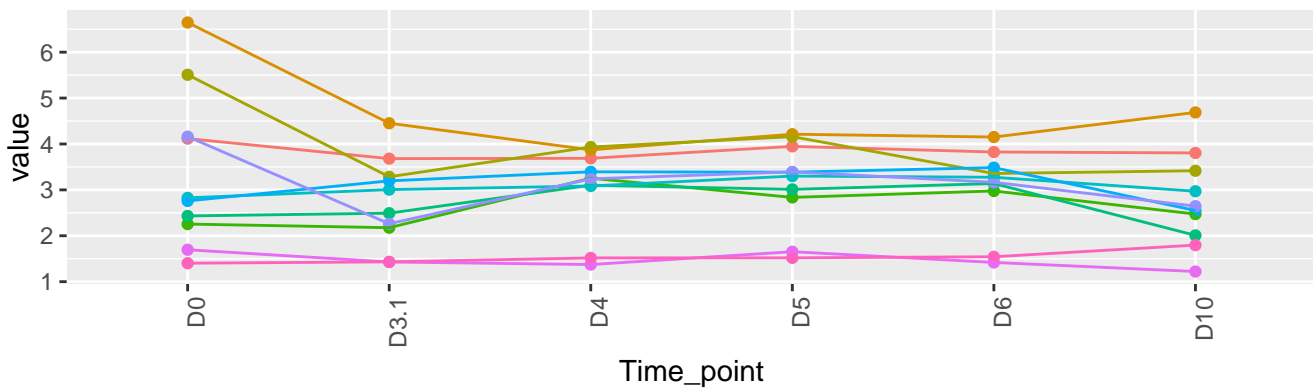
10 genes – KO-cluster-49-original



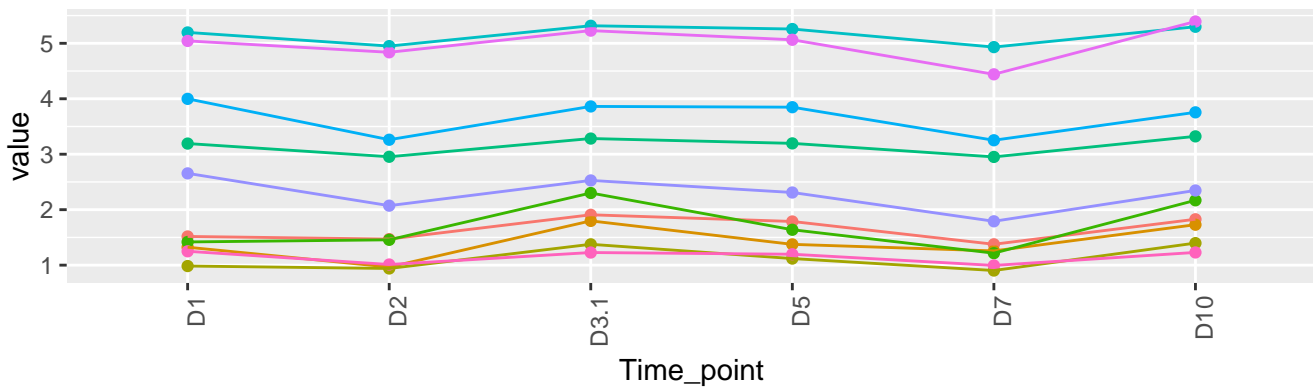
10 genes – WT-cluster-48-original



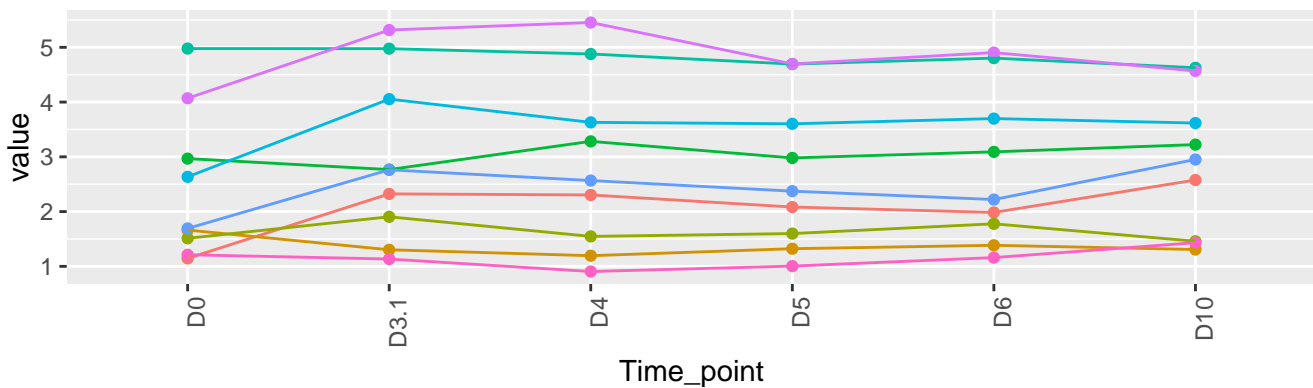
10 genes – KO-cluster-48-original



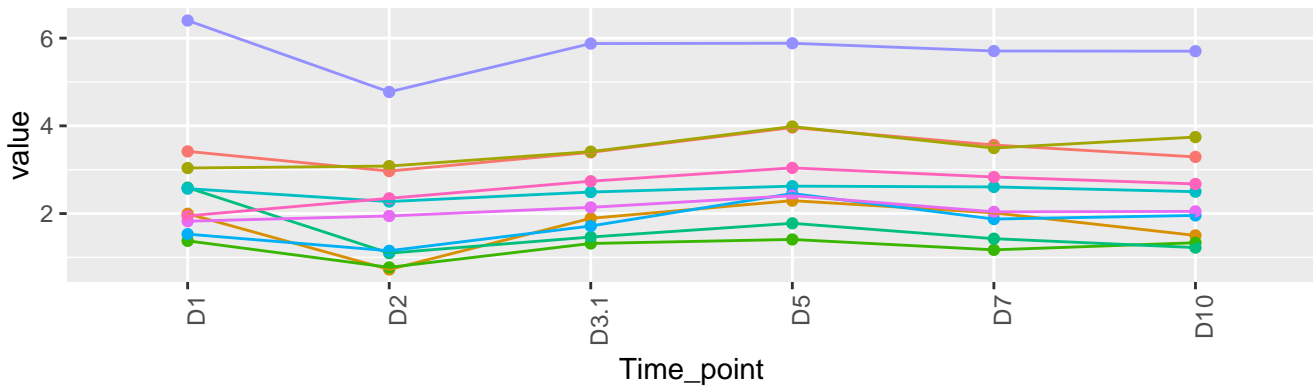
10 genes – WT-cluster-47-original



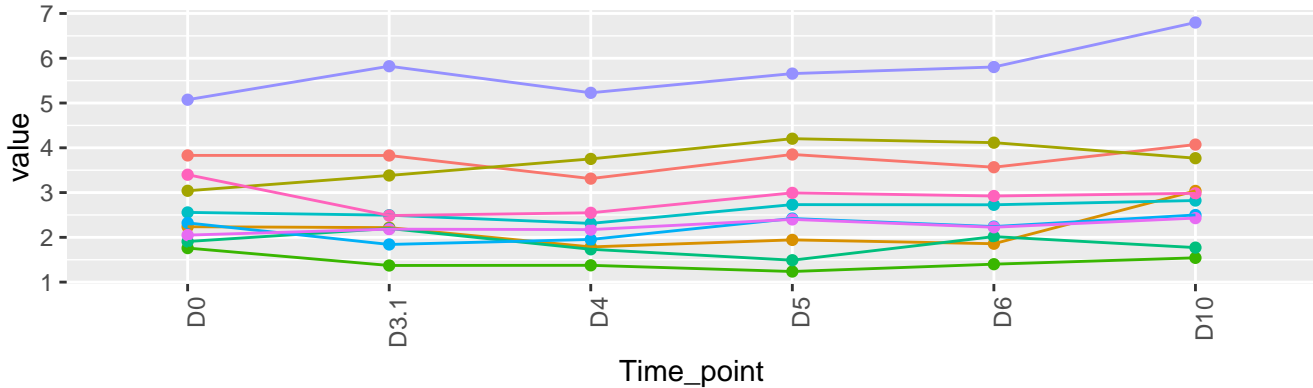
9 genes – KO-cluster-47-original



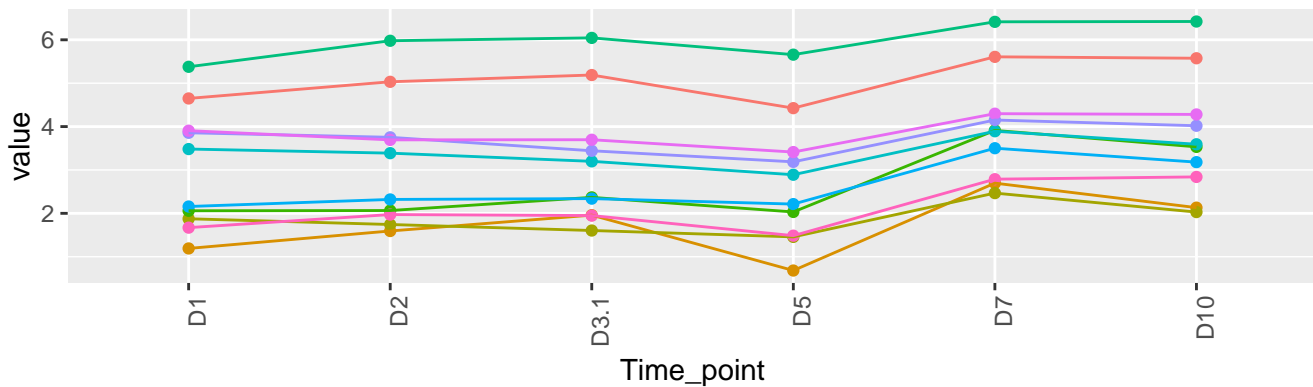
10 genes – WT-cluster-46-original



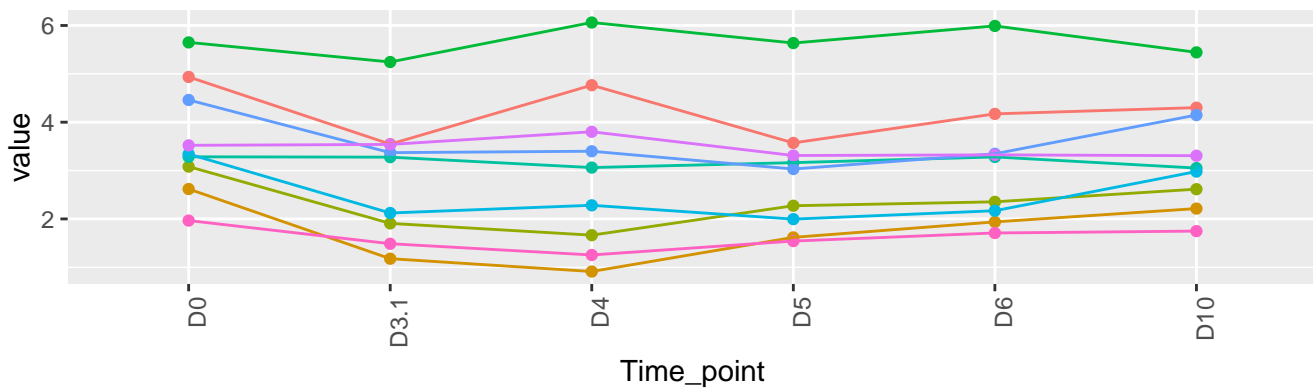
10 genes – KO-cluster-46-original



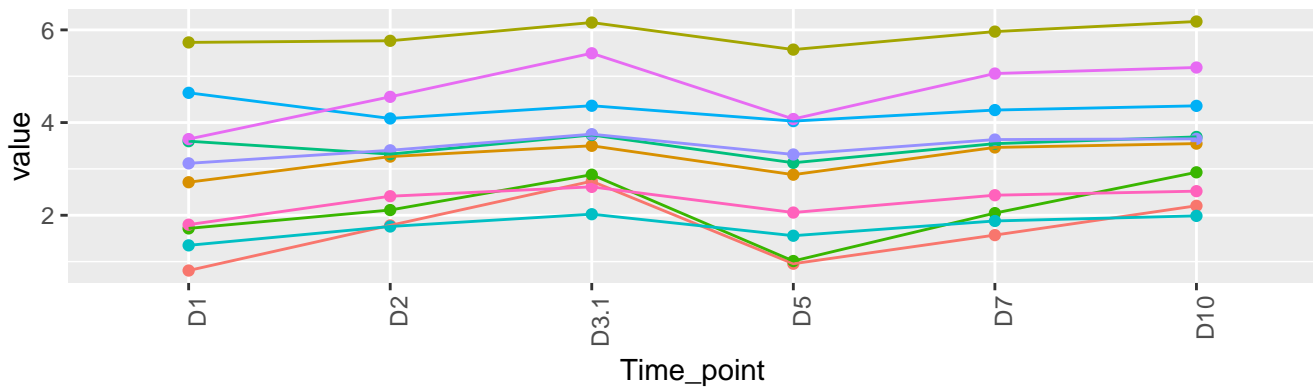
10 genes – WT-cluster-45-original



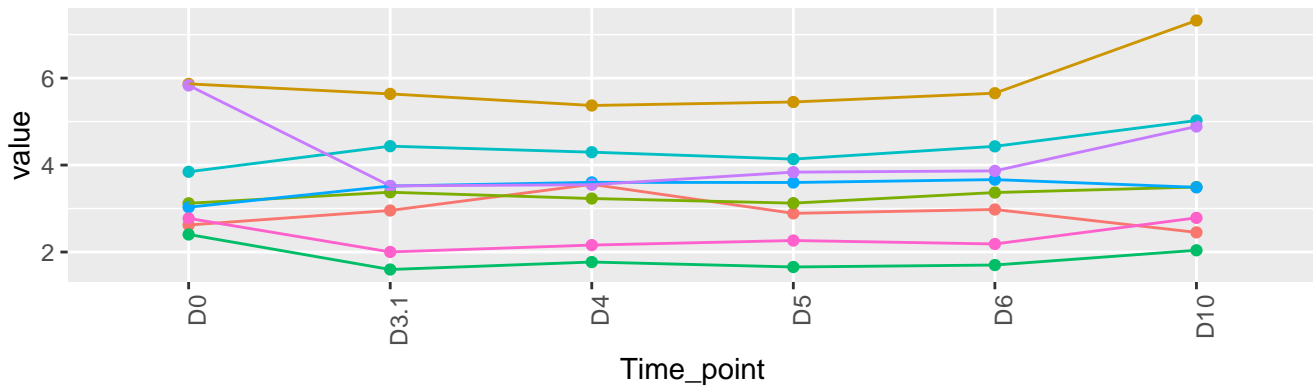
9 genes – KO-cluster-45-original



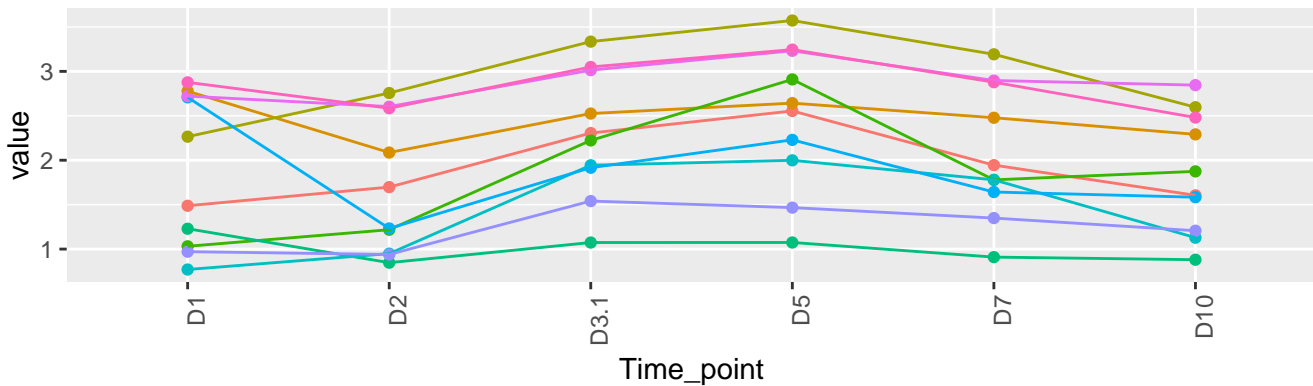
10 genes – WT-cluster-44-original



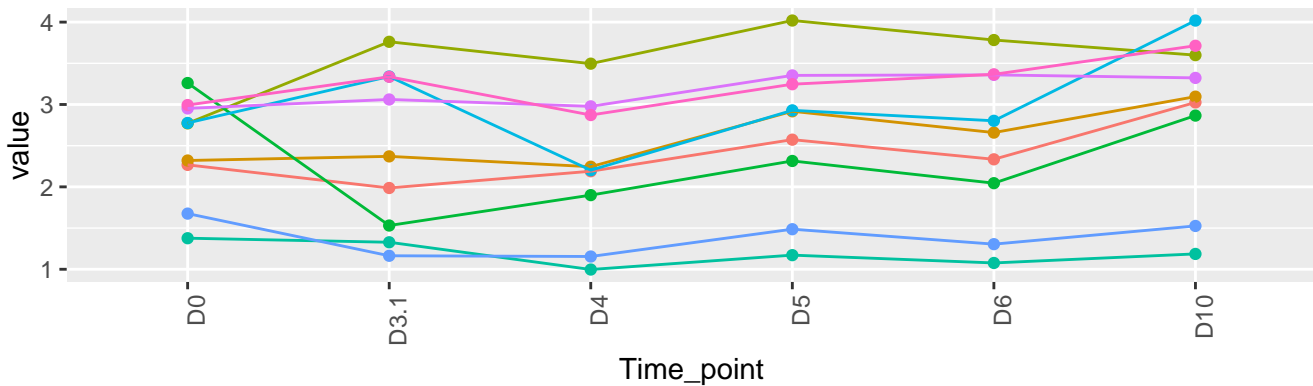
8 genes – KO-cluster-44-original



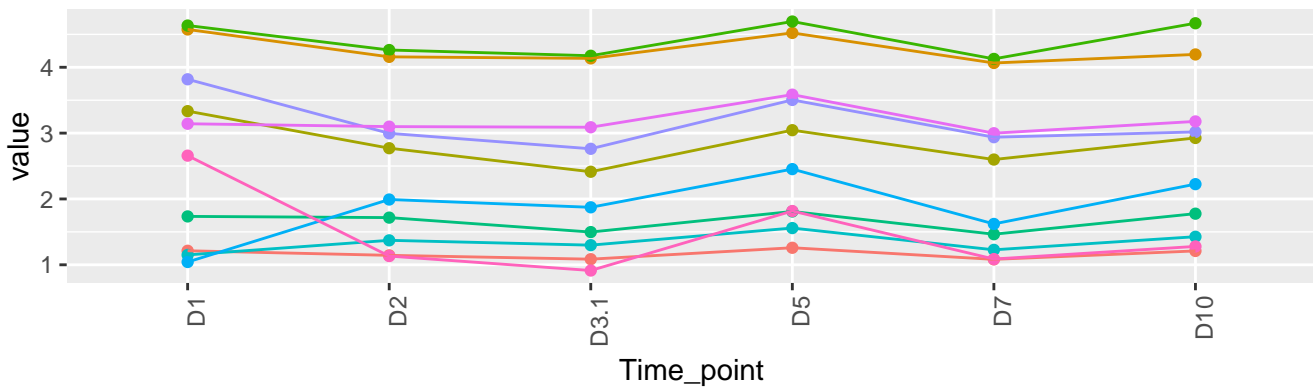
10 genes – WT-cluster-43-original



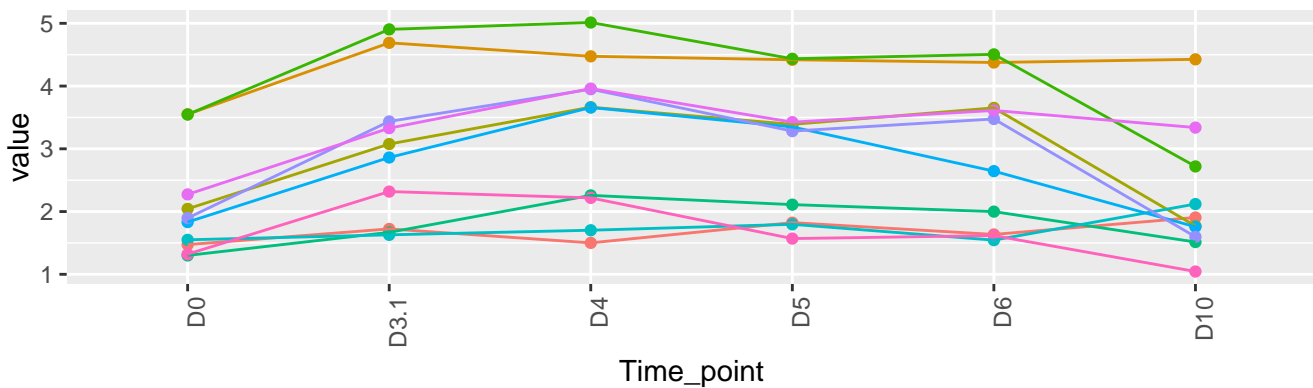
9 genes – KO-cluster-43-original



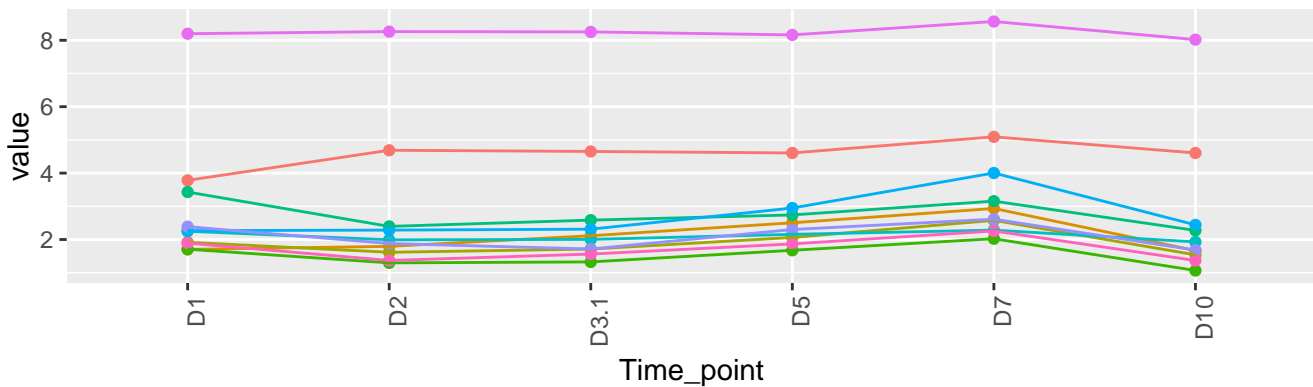
10 genes – WT-cluster-42-original



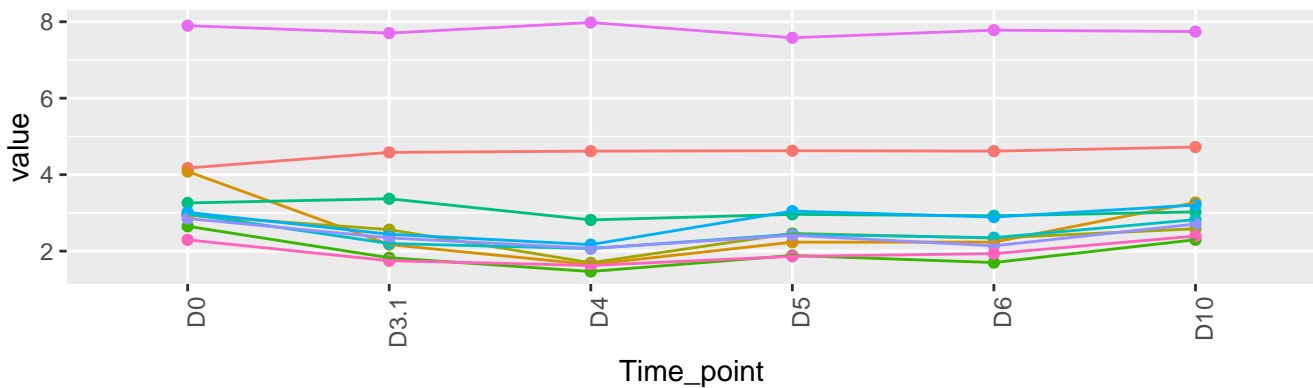
10 genes – KO-cluster-42-original



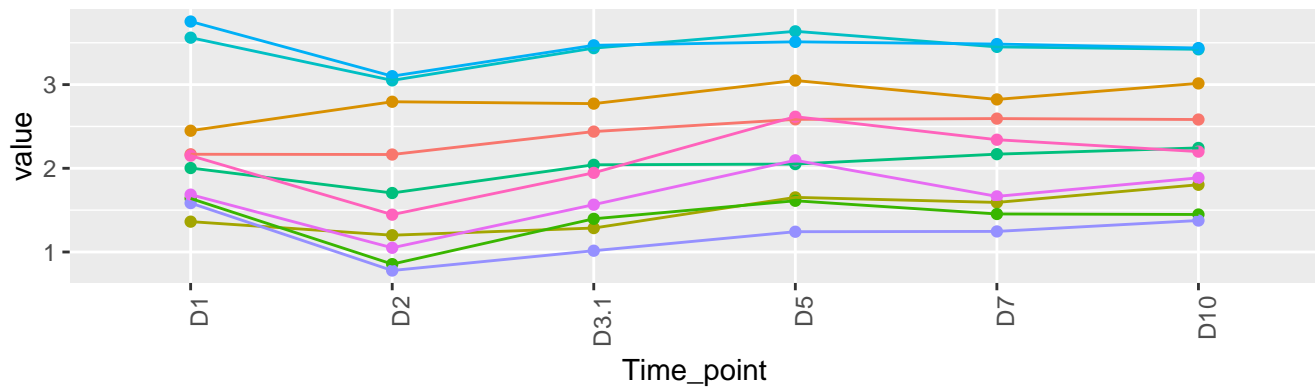
10 genes – WT-cluster-41-original



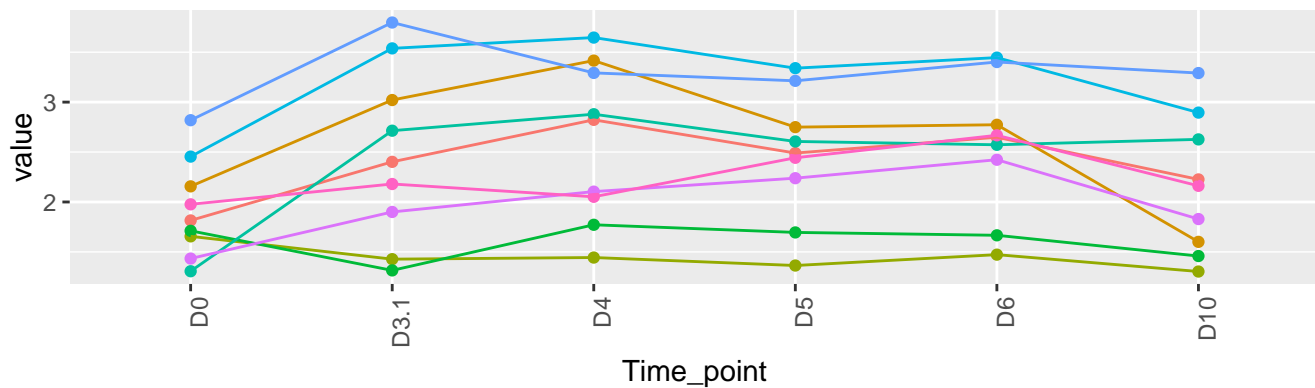
10 genes – KO-cluster-41-original



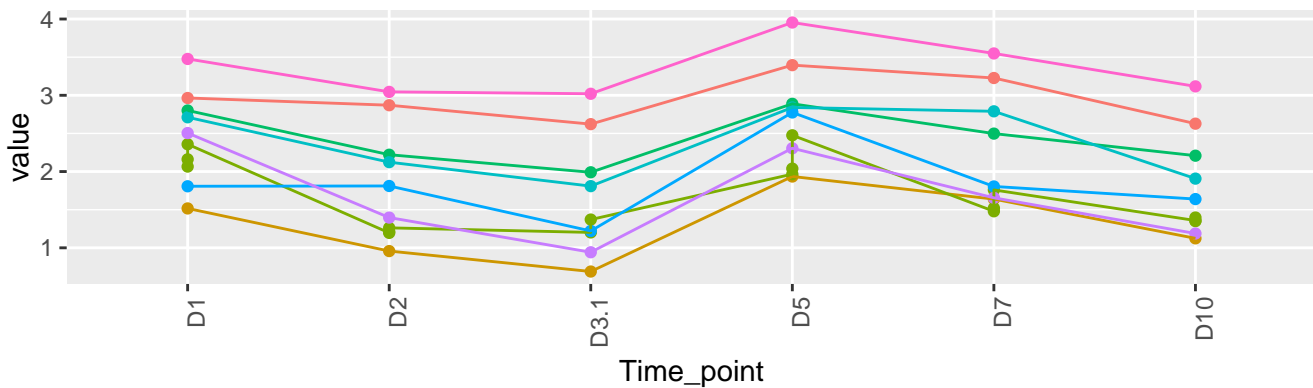
10 genes – WT-cluster-40-original



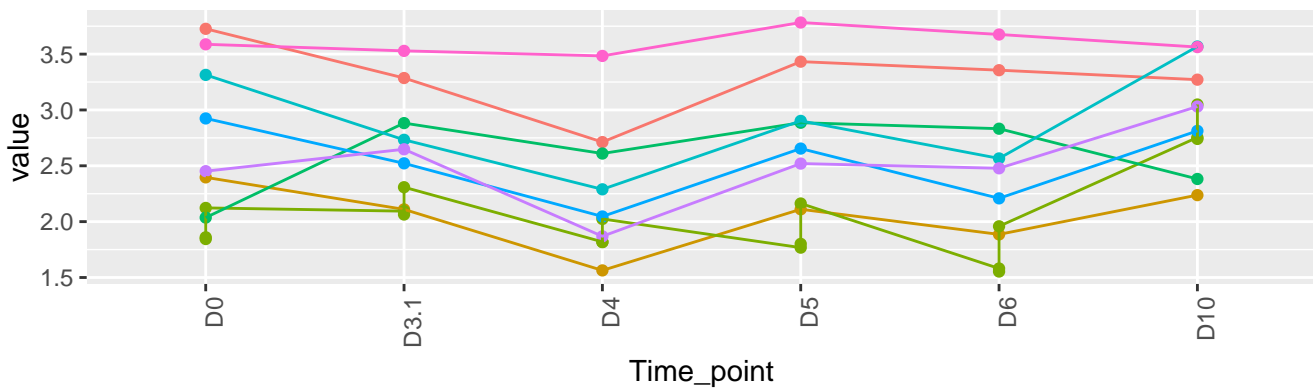
9 genes – KO-cluster-40-original



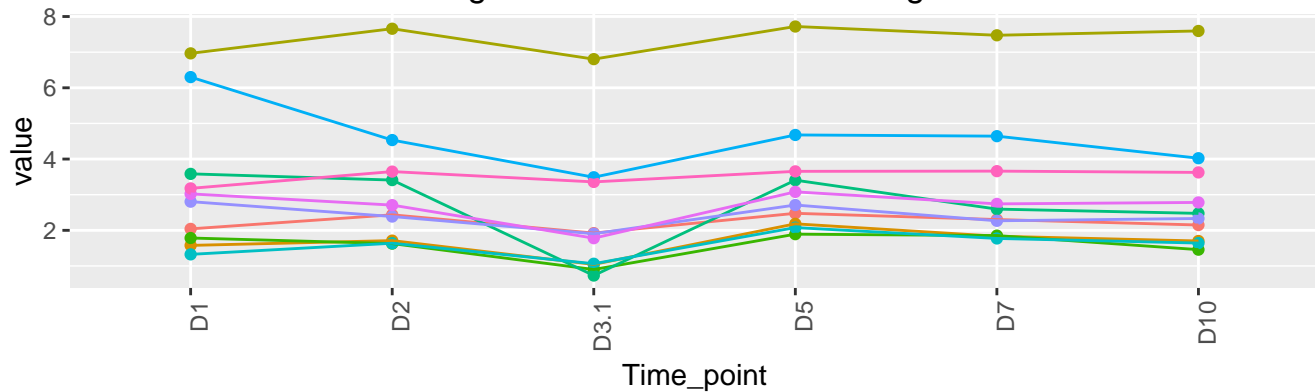
10 genes – WT-cluster-39-original



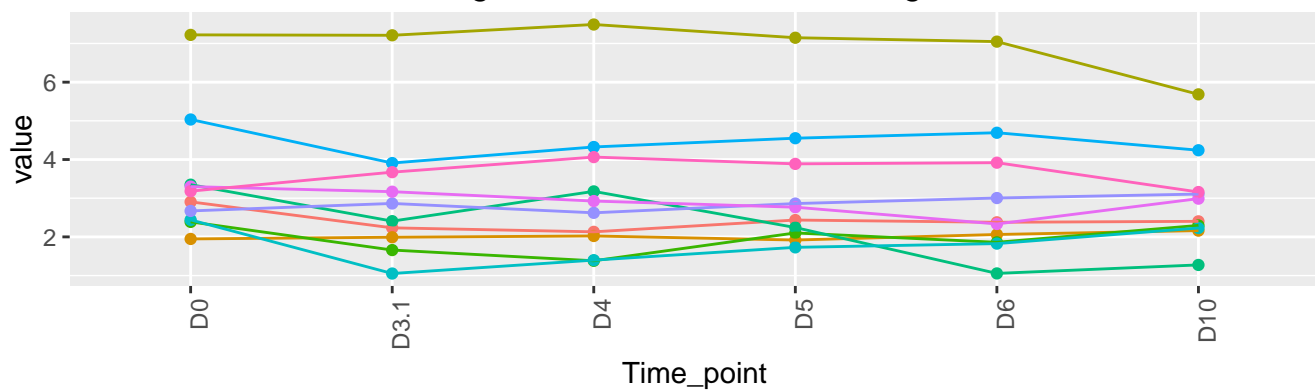
10 genes – KO-cluster-39-original



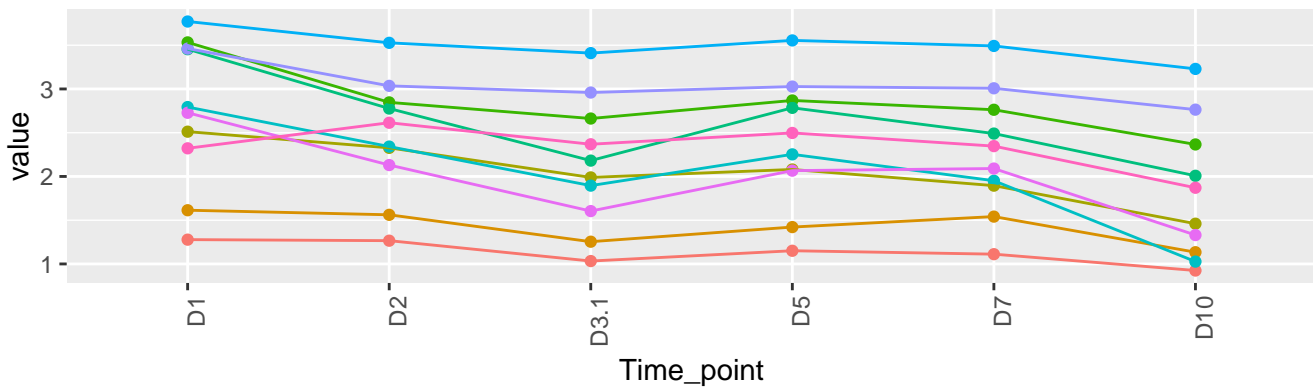
10 genes – WT-cluster-38-original



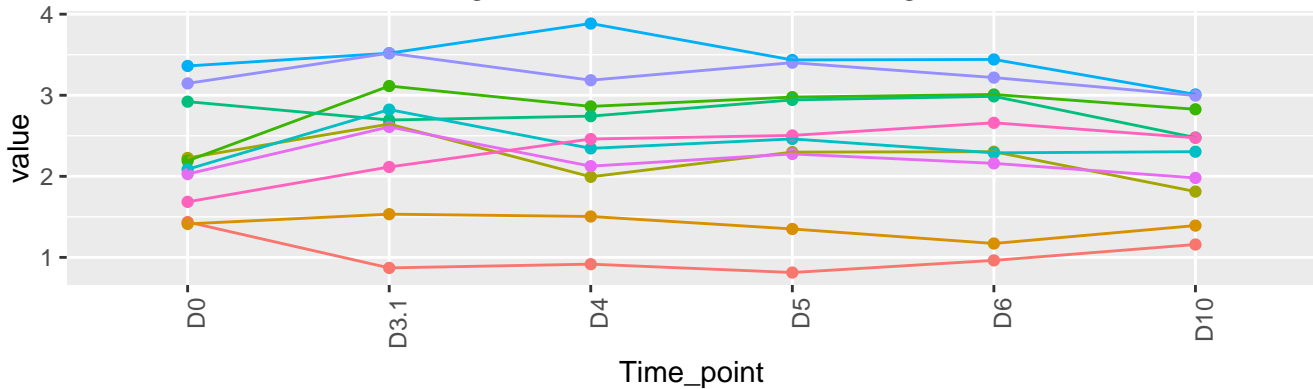
10 genes – KO-cluster-38-original



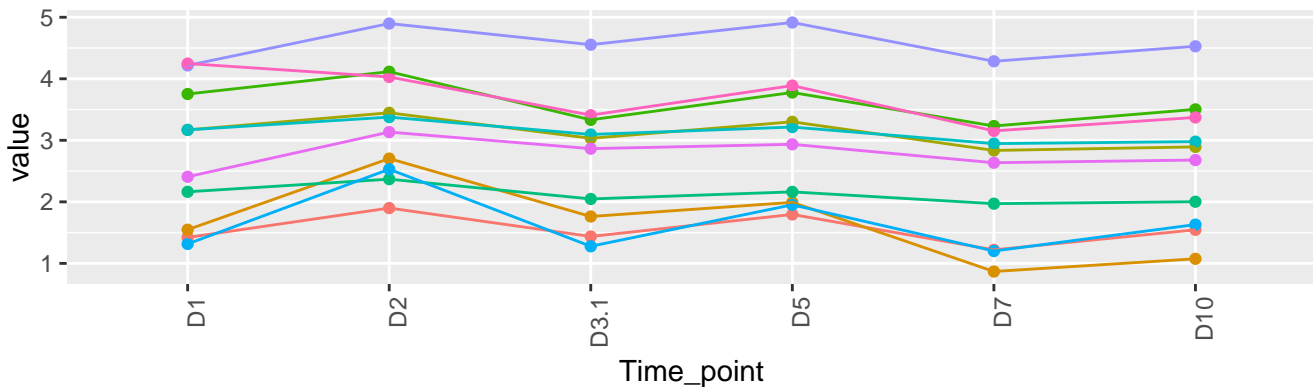
10 genes – WT-cluster-37-original



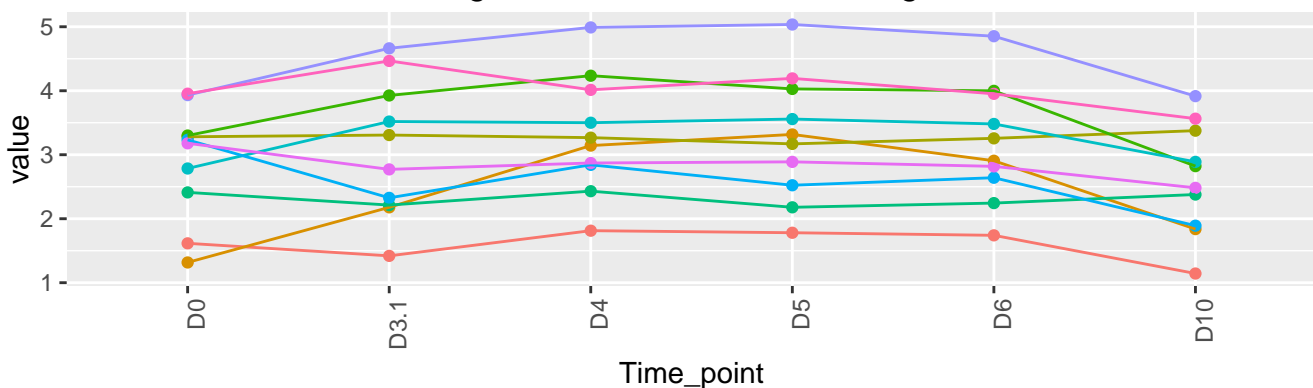
10 genes – KO-cluster-37-original



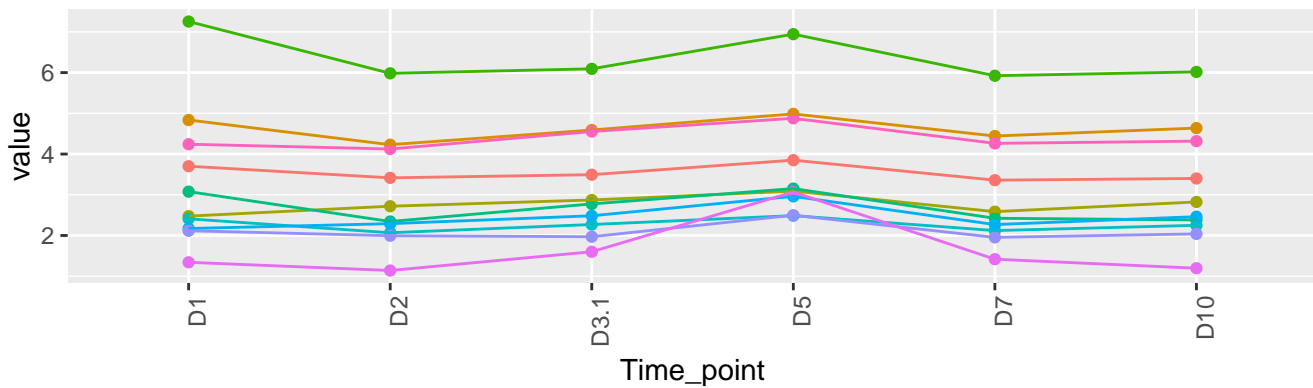
10 genes – WT-cluster-36-original



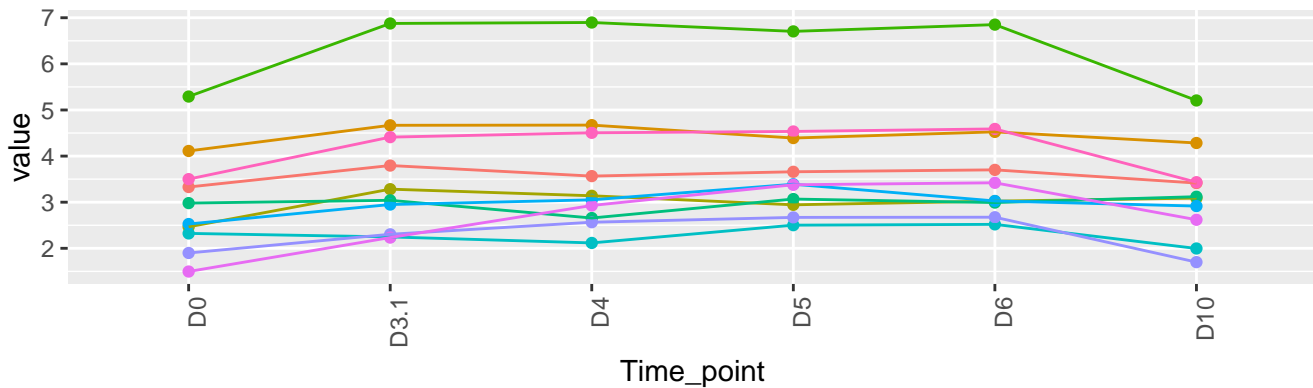
10 genes – KO-cluster-36-original



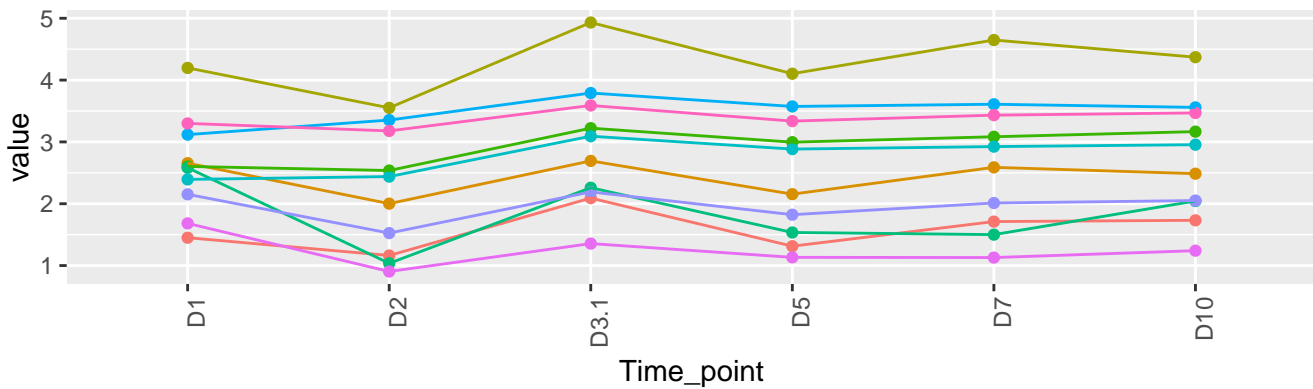
10 genes – WT-cluster-35-original



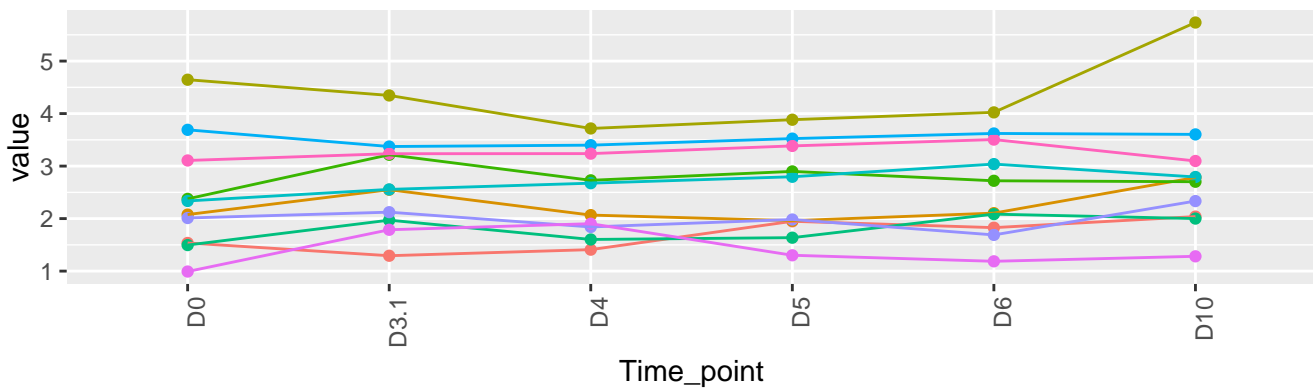
10 genes – KO-cluster-35-original



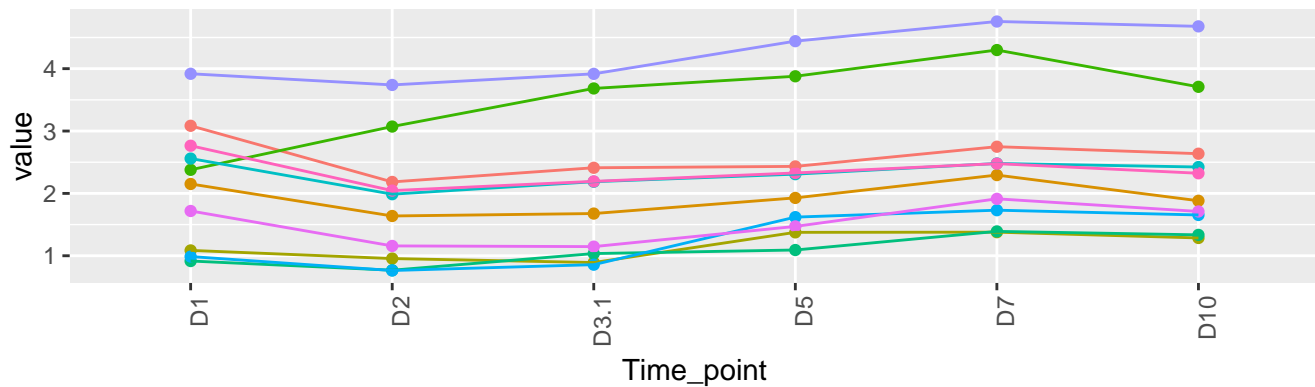
10 genes – WT-cluster-34-original



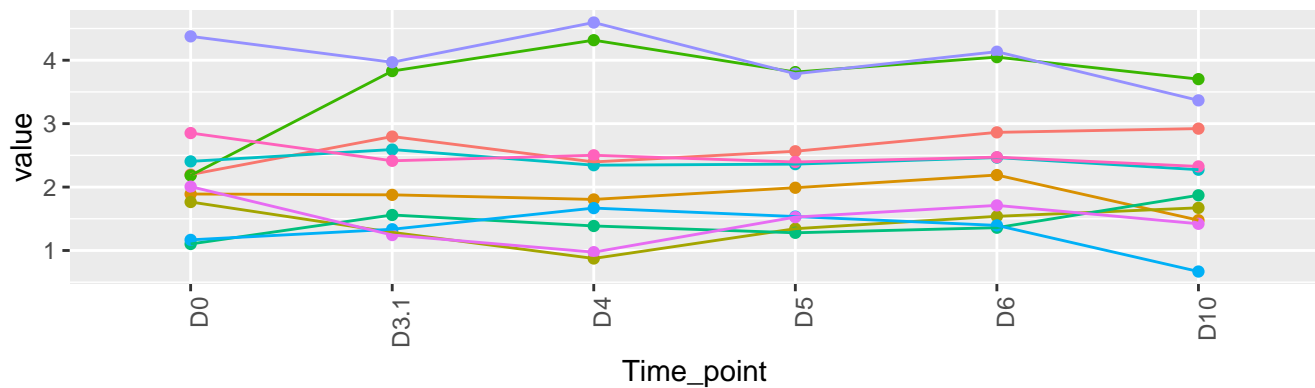
10 genes – KO-cluster-34-original



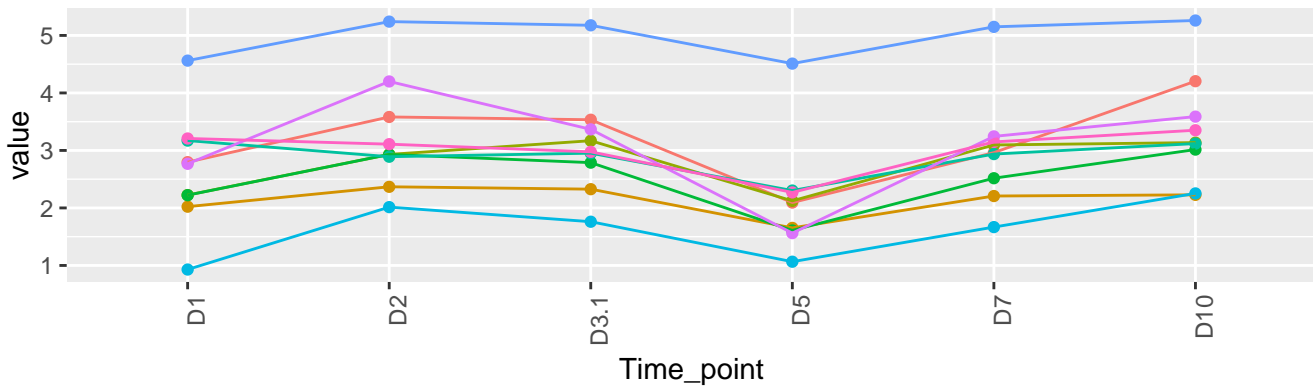
10 genes – WT-cluster-33-original



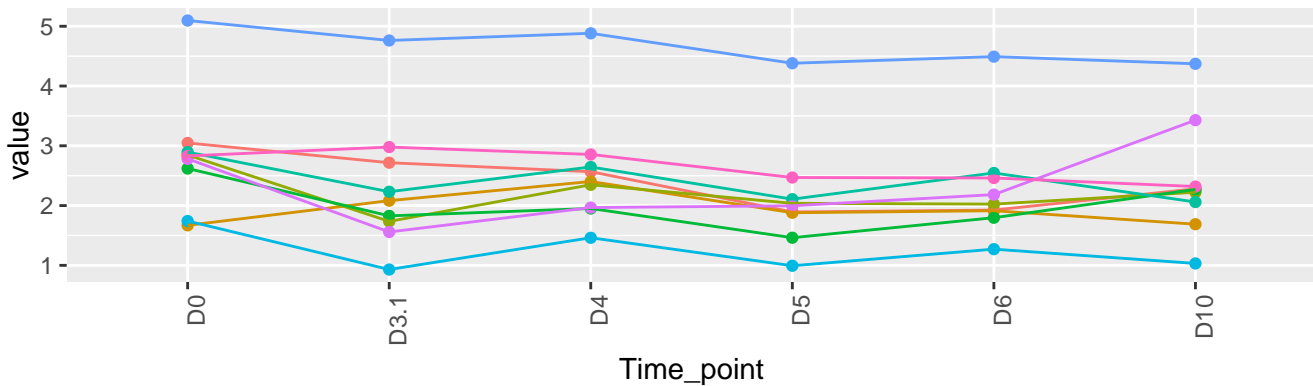
10 genes – KO-cluster-33-original



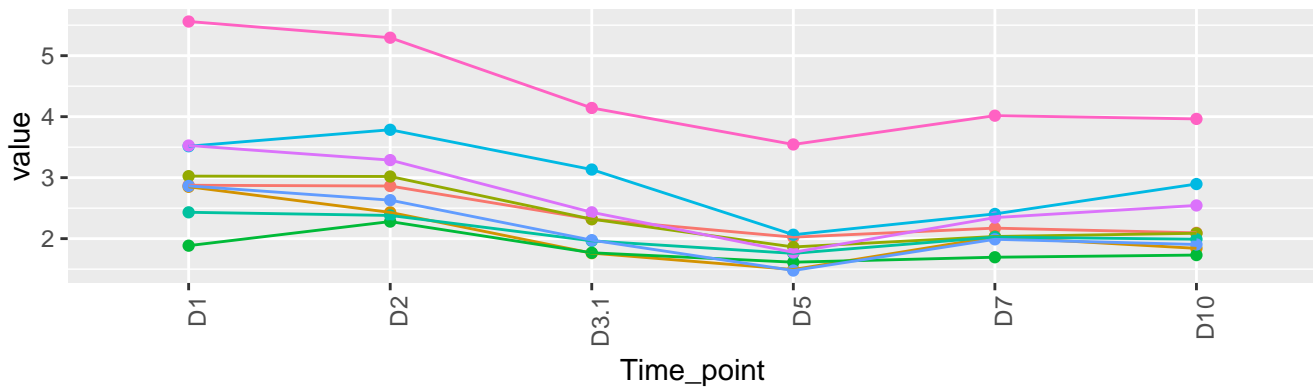
9 genes – WT-cluster-32-original



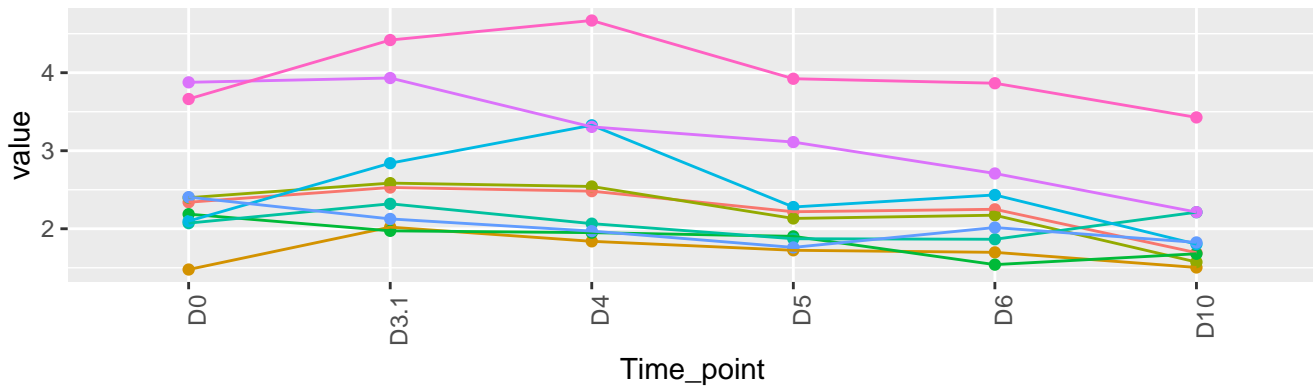
9 genes – KO-cluster-32-original



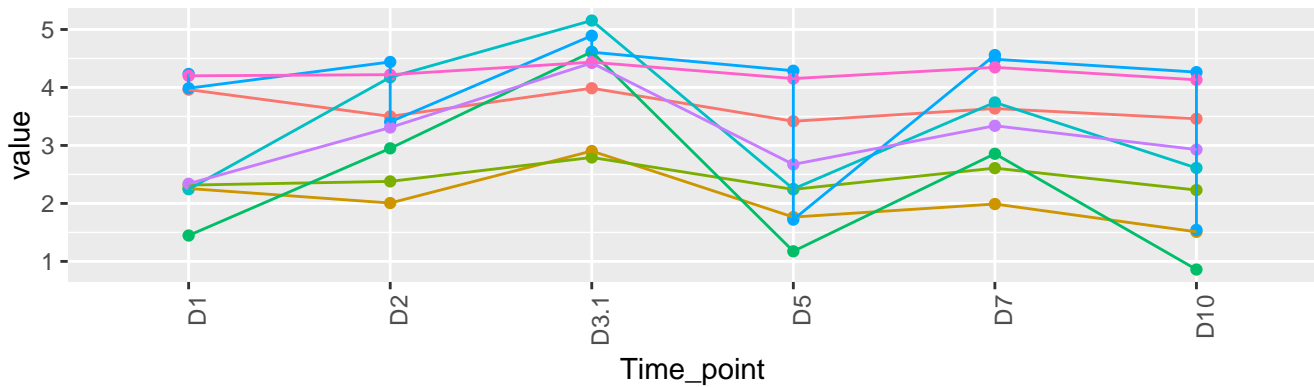
9 genes – WT-cluster-31-original



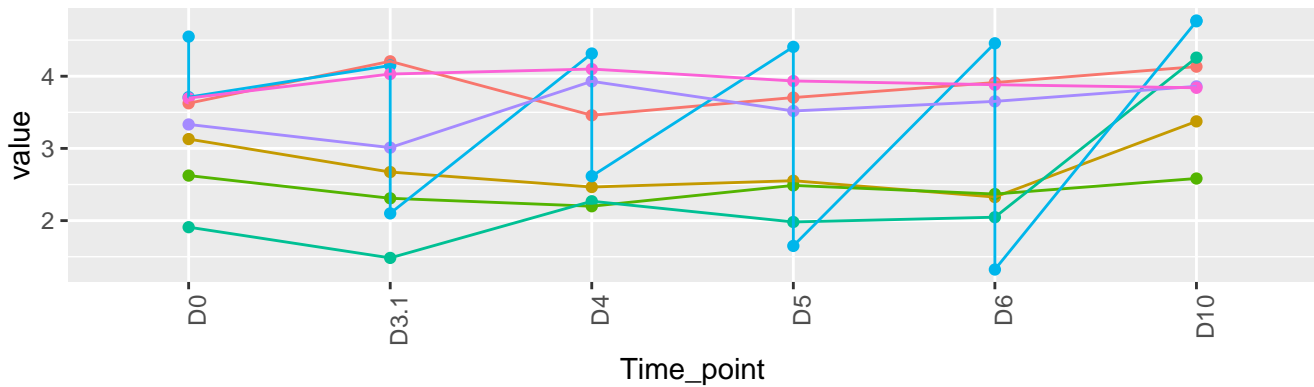
9 genes – KO-cluster-31-original



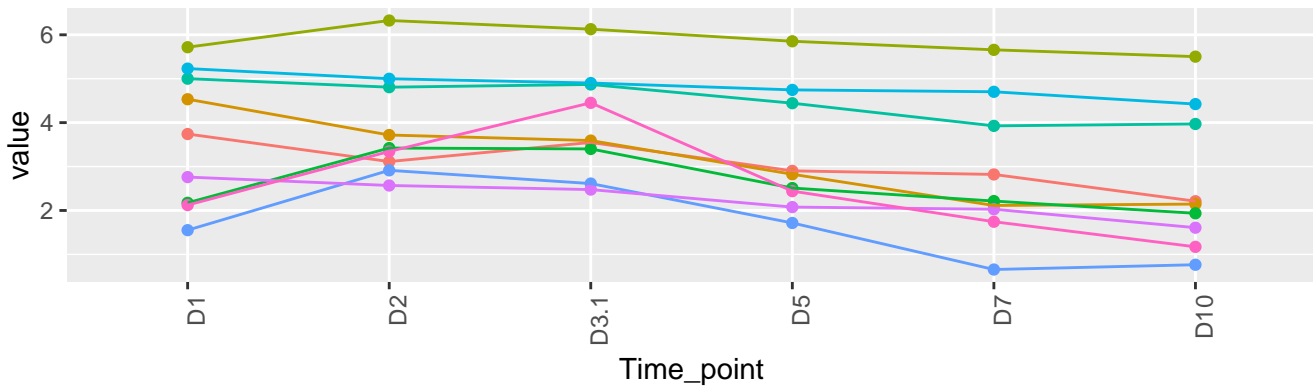
9 genes – WT-cluster-30-original



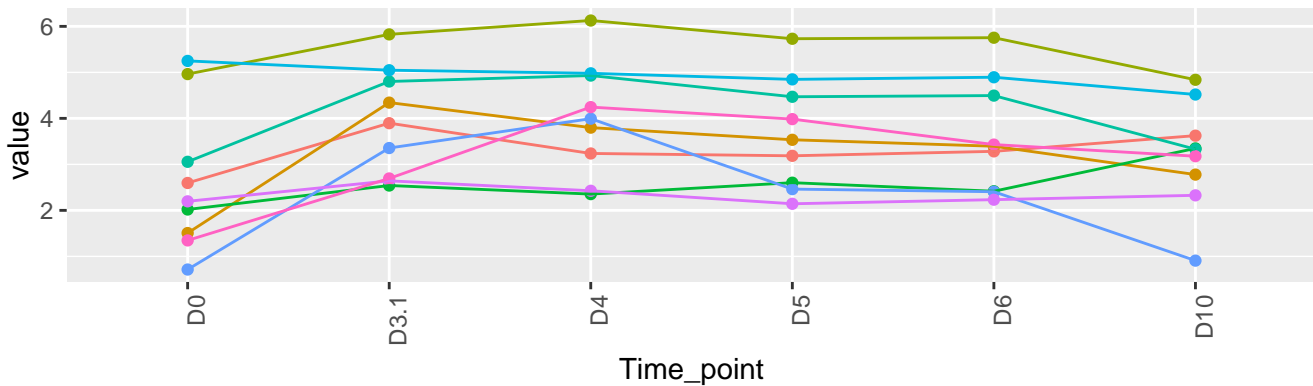
8 genes – KO-cluster-30-original



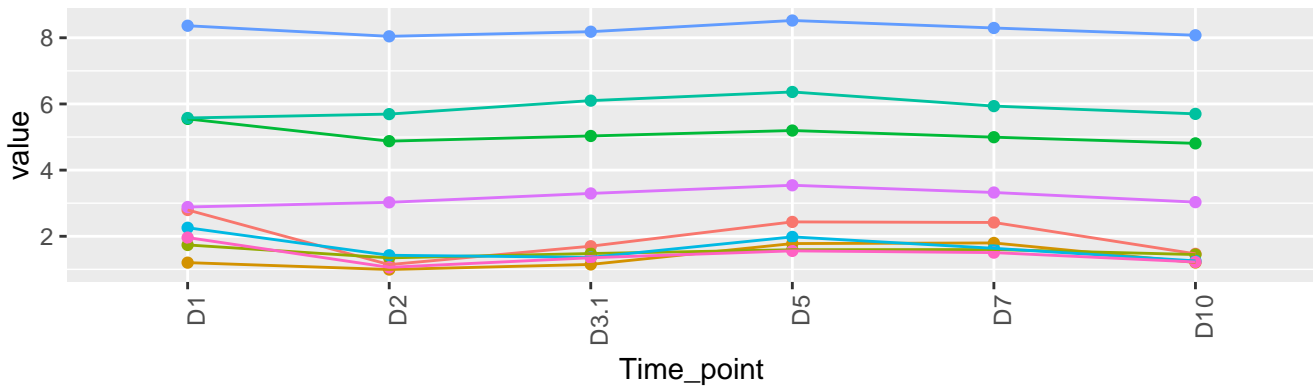
9 genes – WT-cluster-29-original



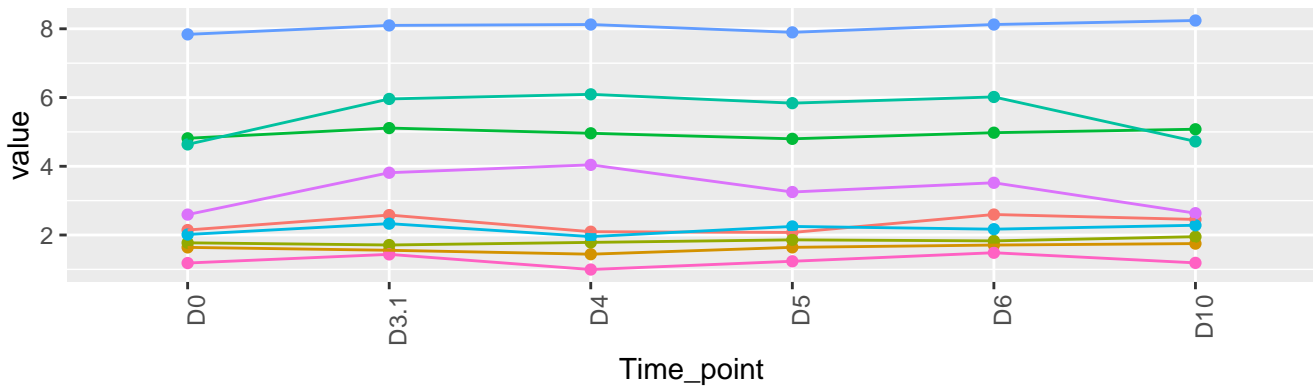
9 genes – KO-cluster-29-original



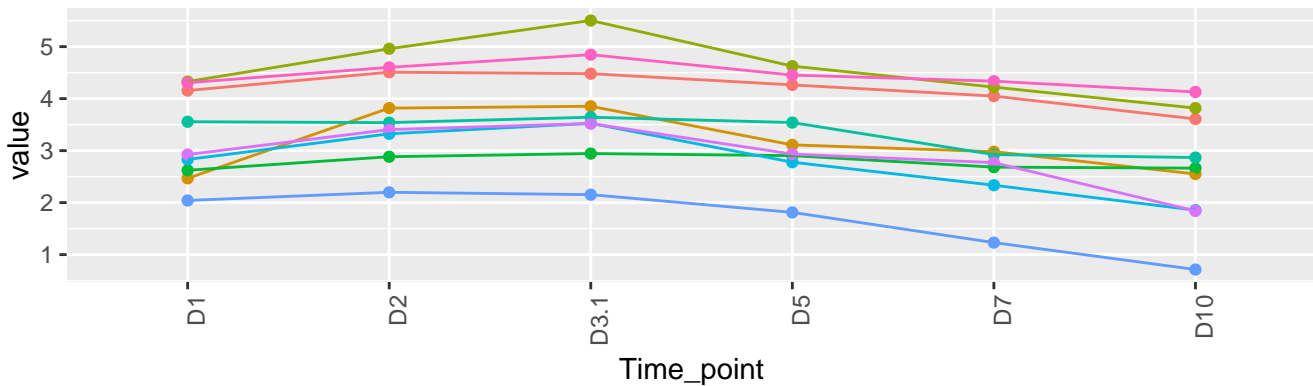
9 genes – WT-cluster-28-original



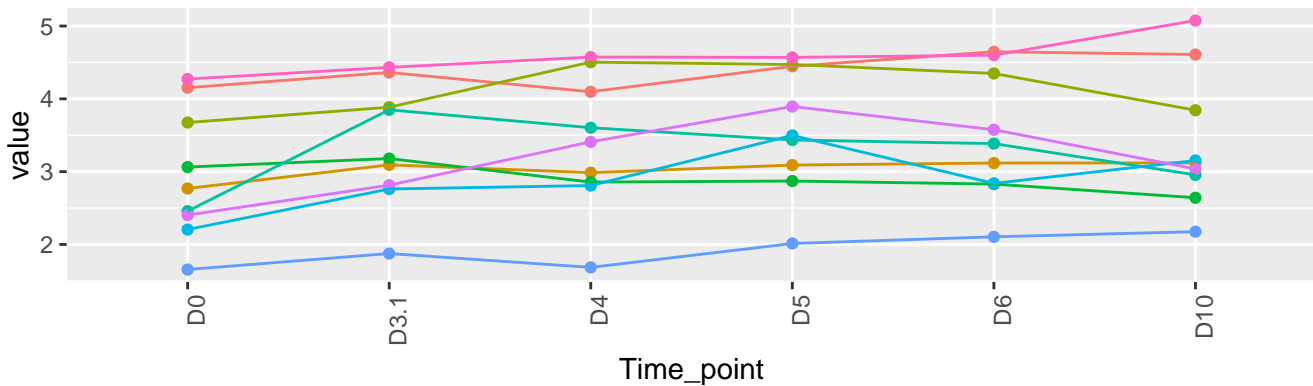
9 genes – KO-cluster-28-original



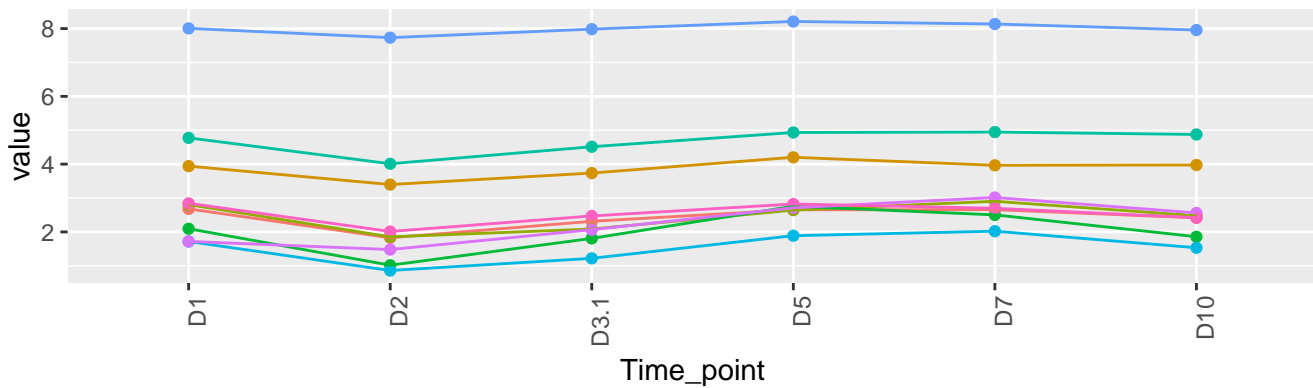
9 genes – WT-cluster-27-original



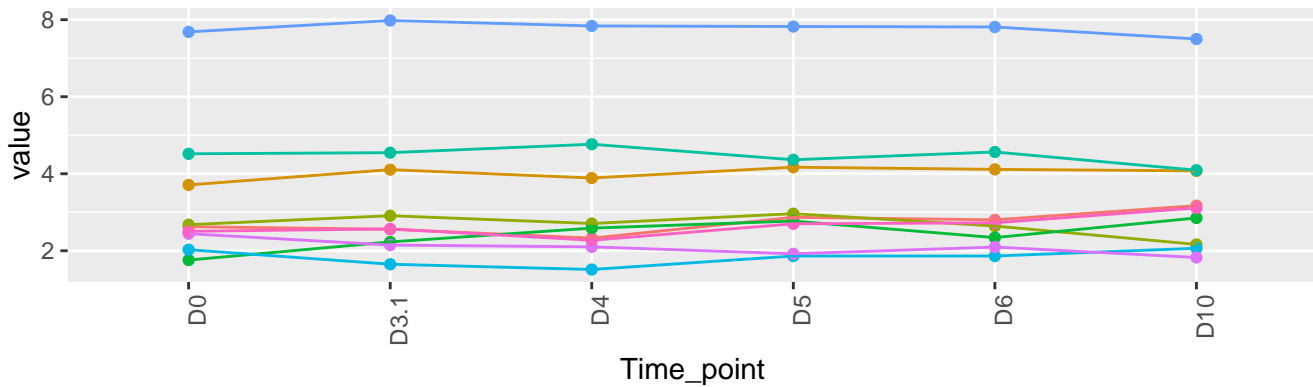
9 genes – KO-cluster-27-original



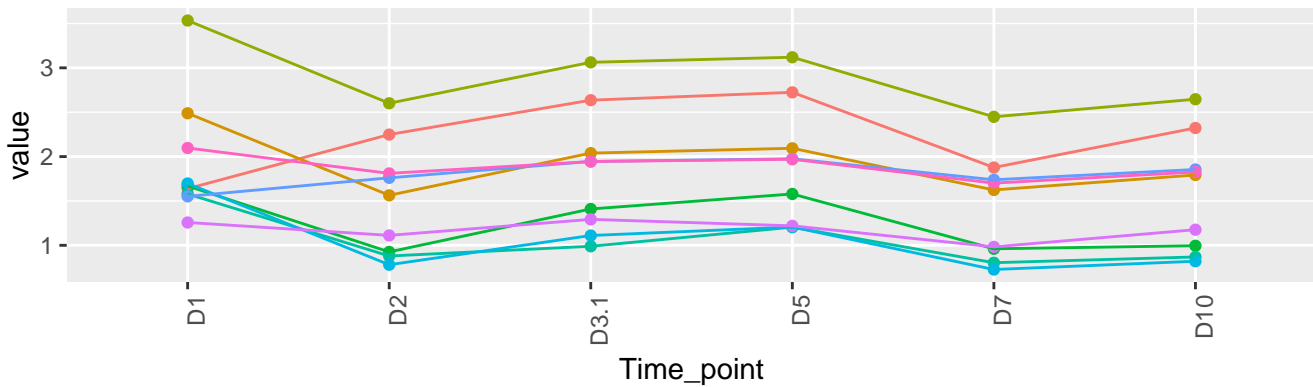
9 genes – WT-cluster-26-original



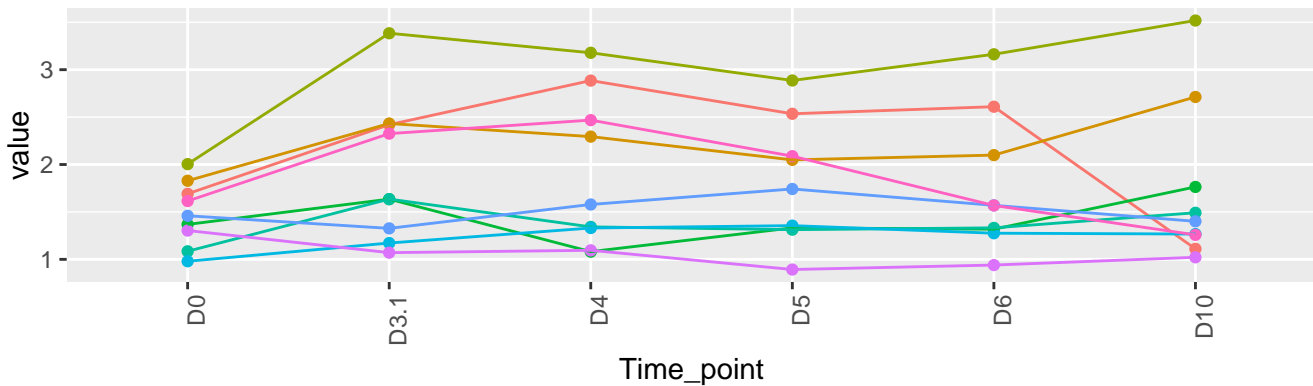
9 genes – KO-cluster-26-original



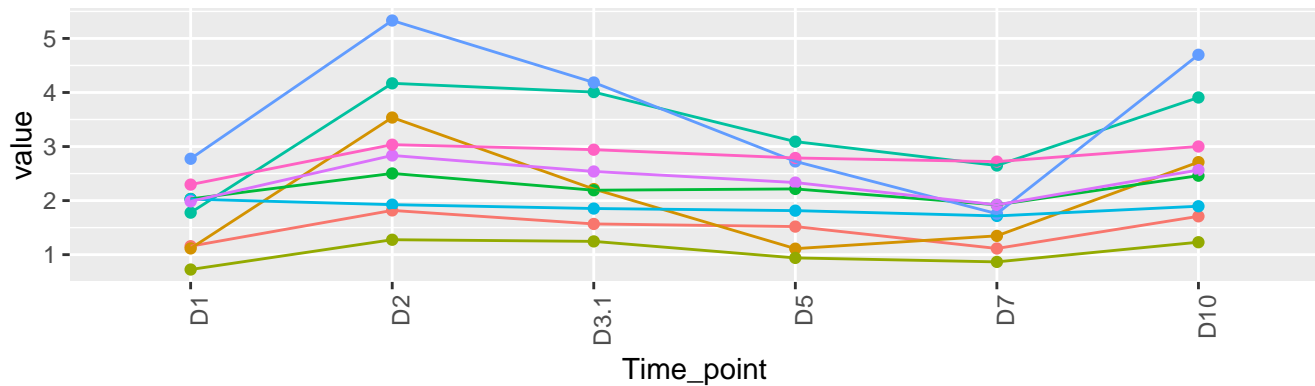
9 genes – WT-cluster-25-original



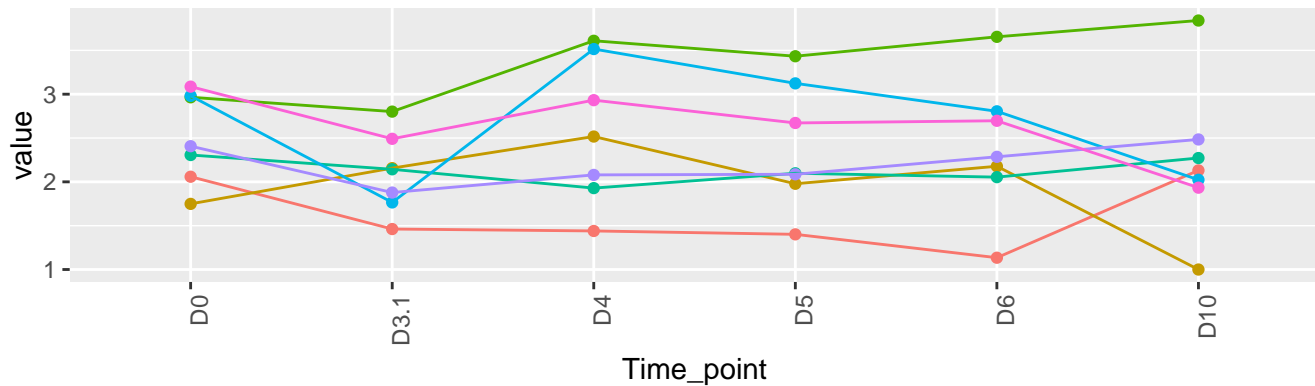
9 genes – KO-cluster-25-original



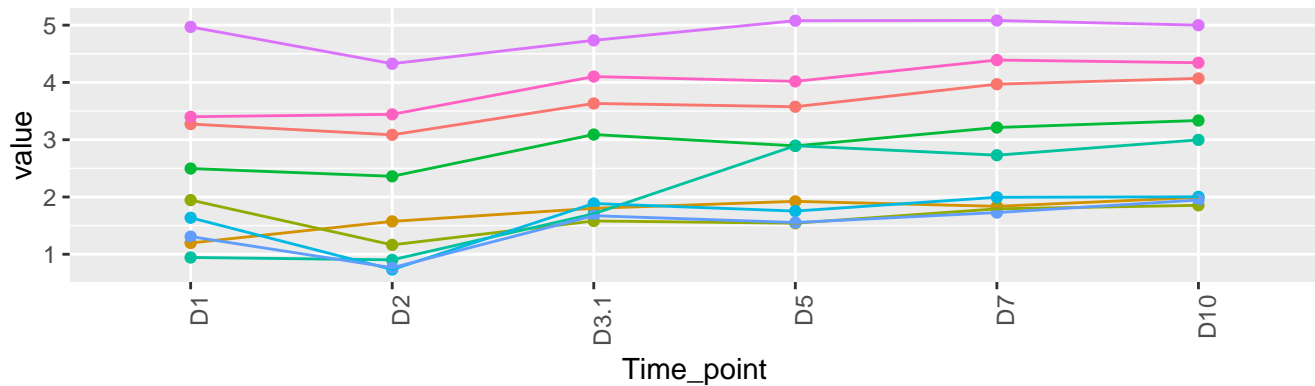
9 genes – WT-cluster-24-original



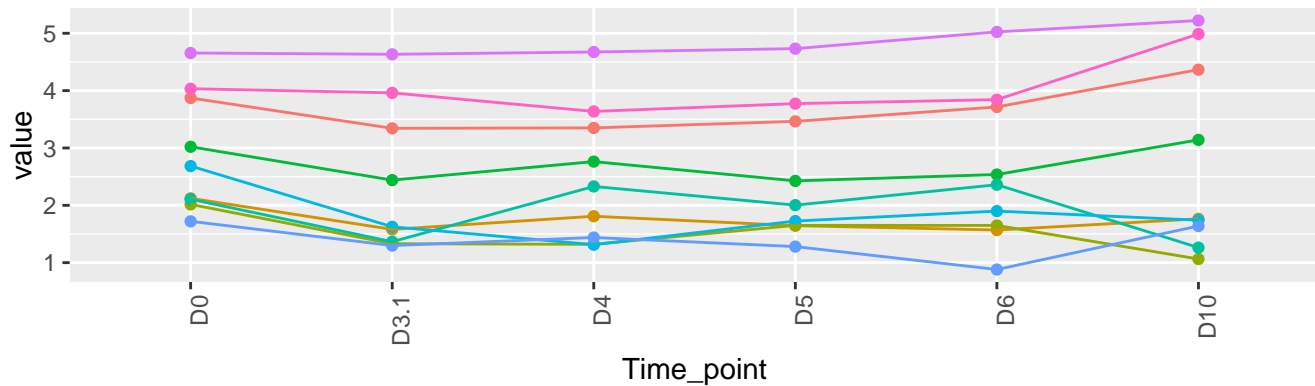
7 genes – KO-cluster-24-original



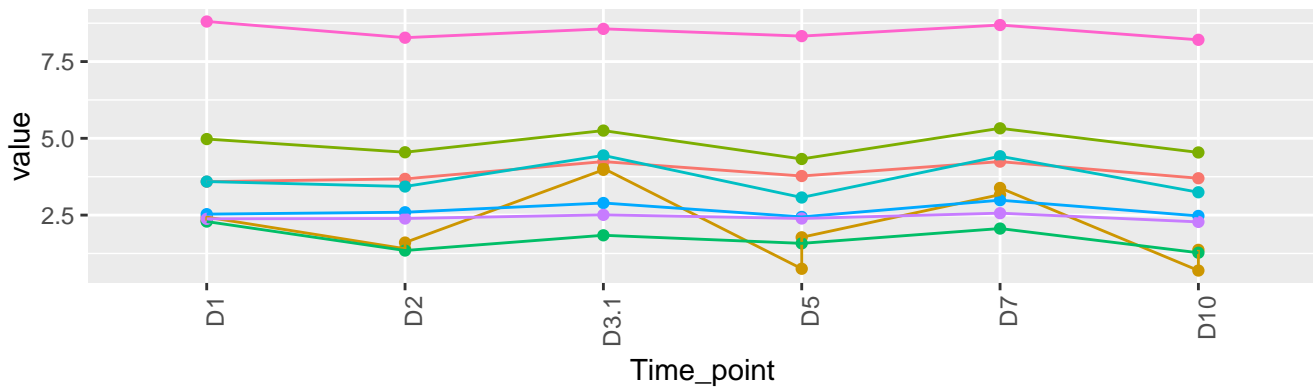
9 genes – WT-cluster-23-original



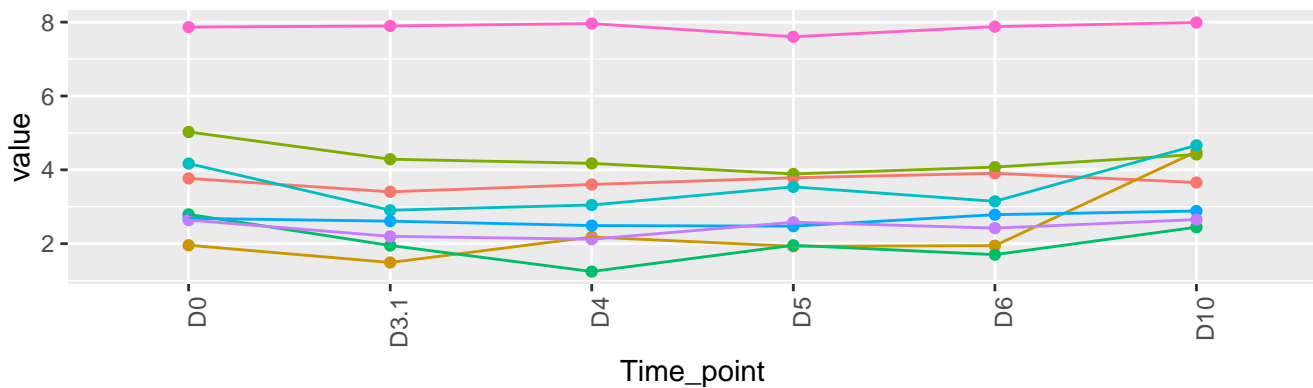
9 genes – KO-cluster-23-original



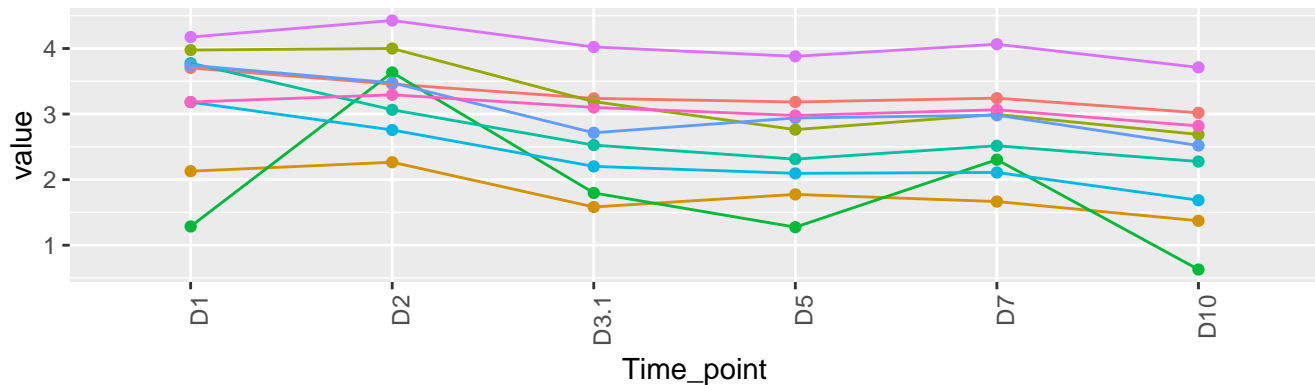
9 genes – WT-cluster-22-original



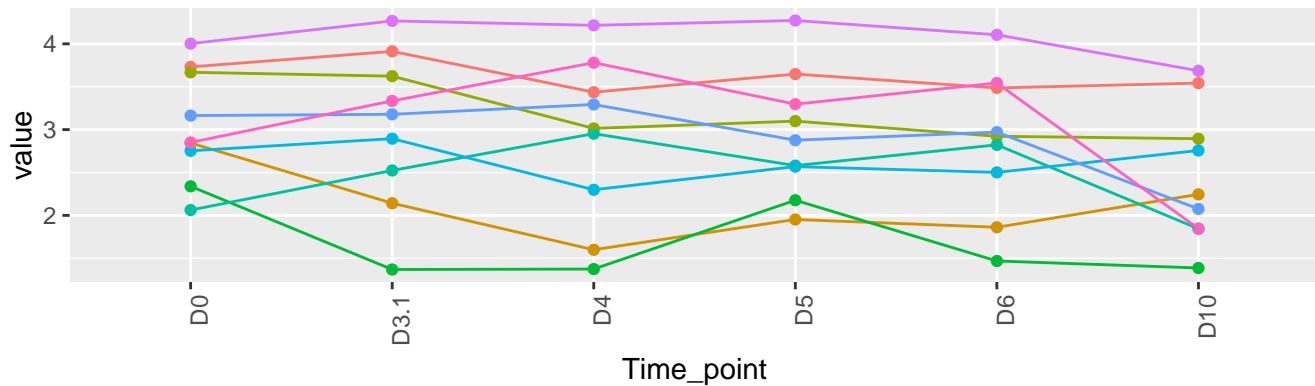
8 genes – KO-cluster-22-original



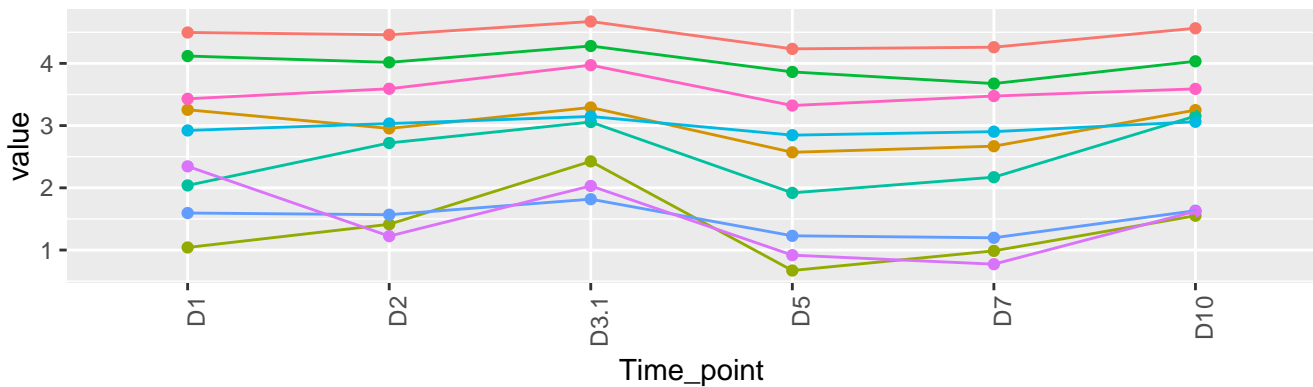
9 genes – WT-cluster-21-original



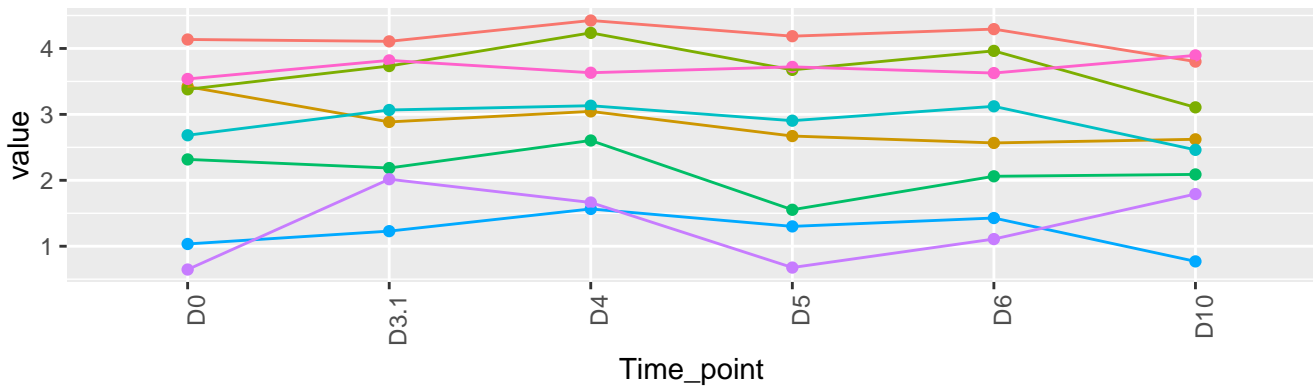
9 genes – KO-cluster-21-original



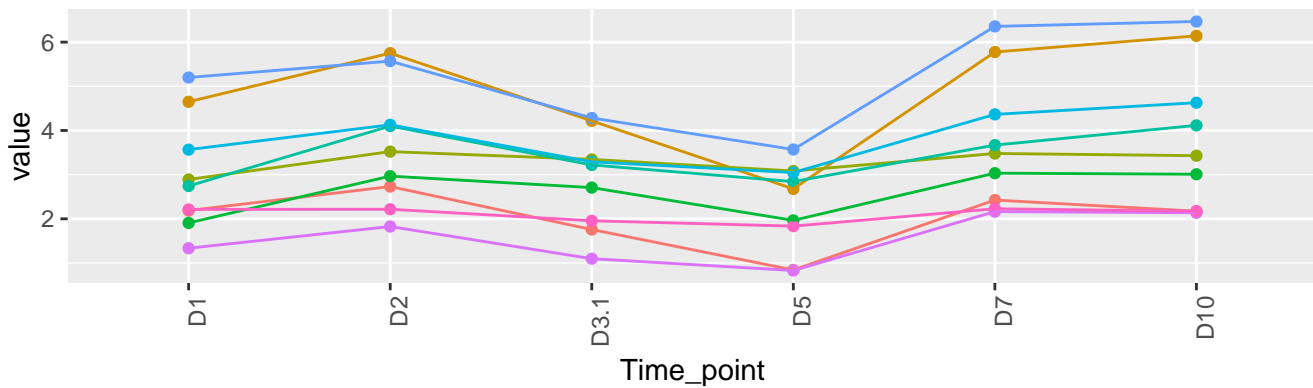
9 genes – WT-cluster-20-original



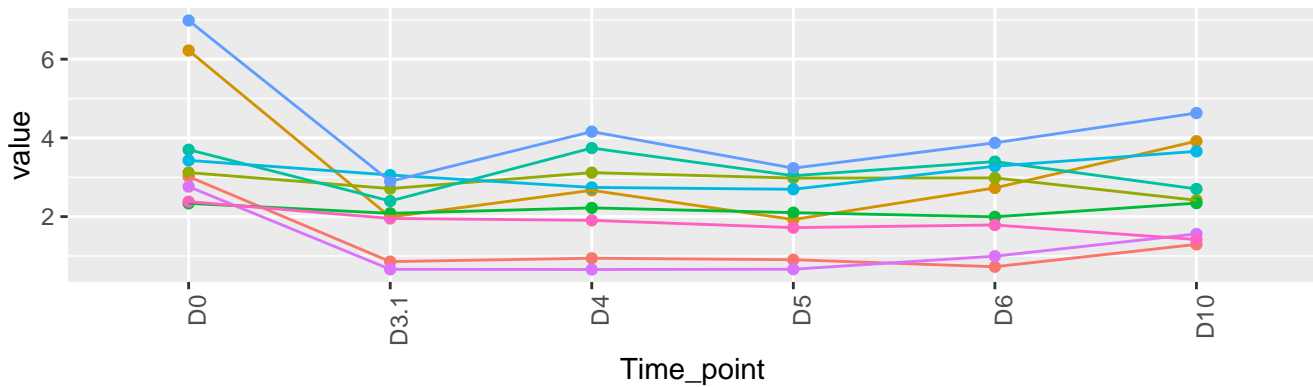
8 genes – KO-cluster-20-original



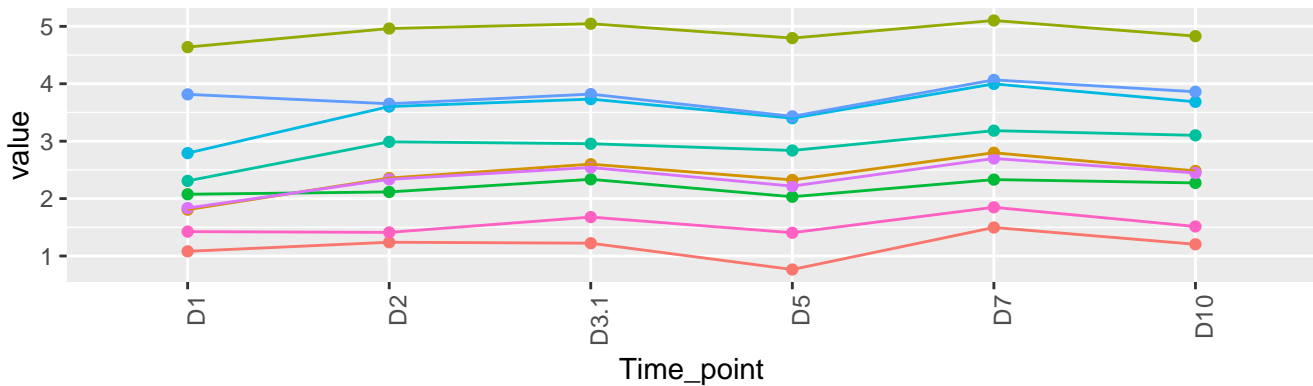
9 genes – WT-cluster-19-original



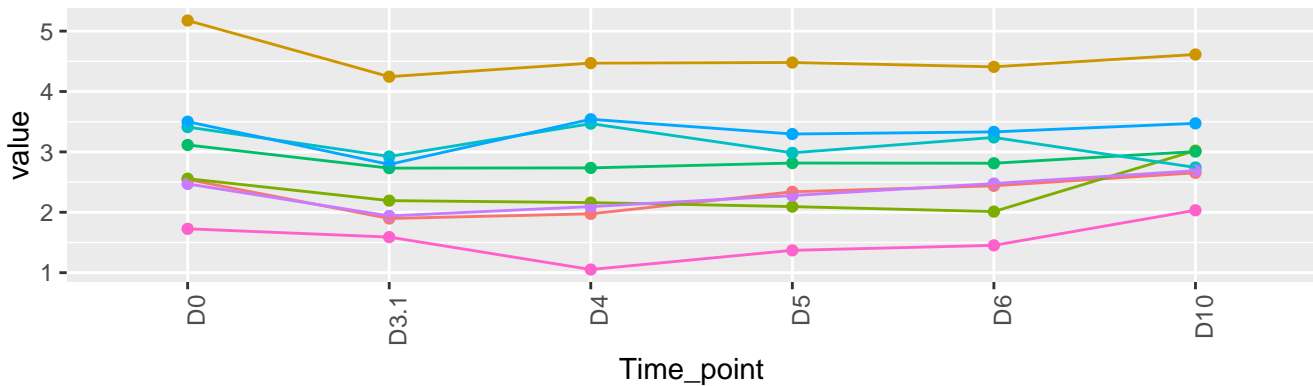
9 genes – KO-cluster-19-original



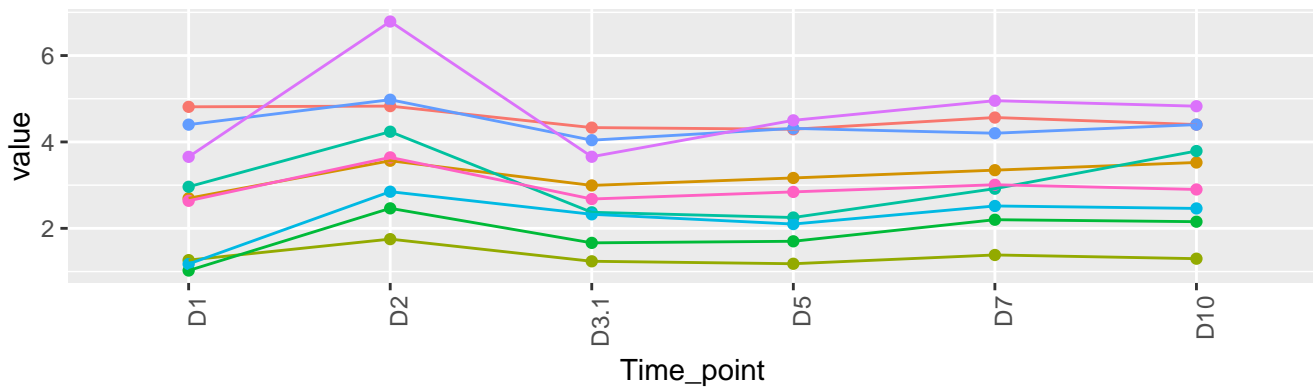
9 genes – WT-cluster-18-original



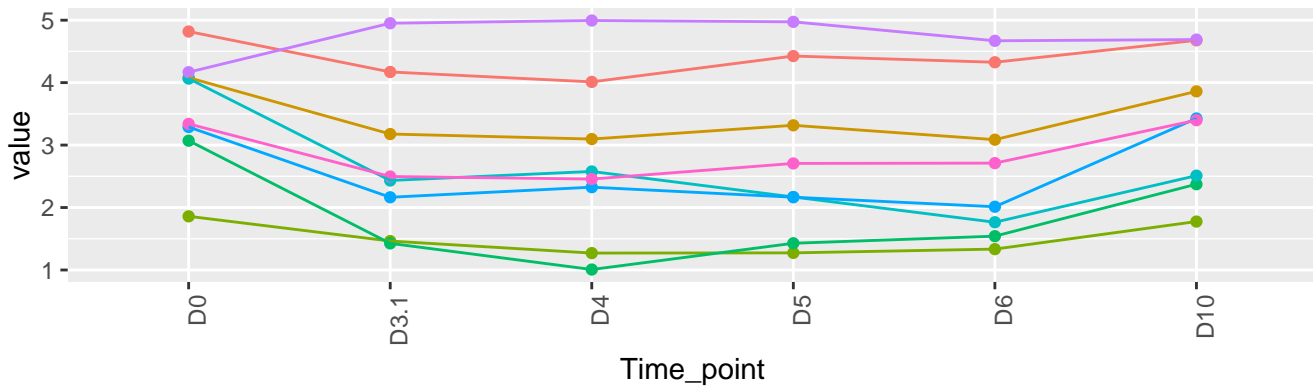
8 genes – KO-cluster-18-original



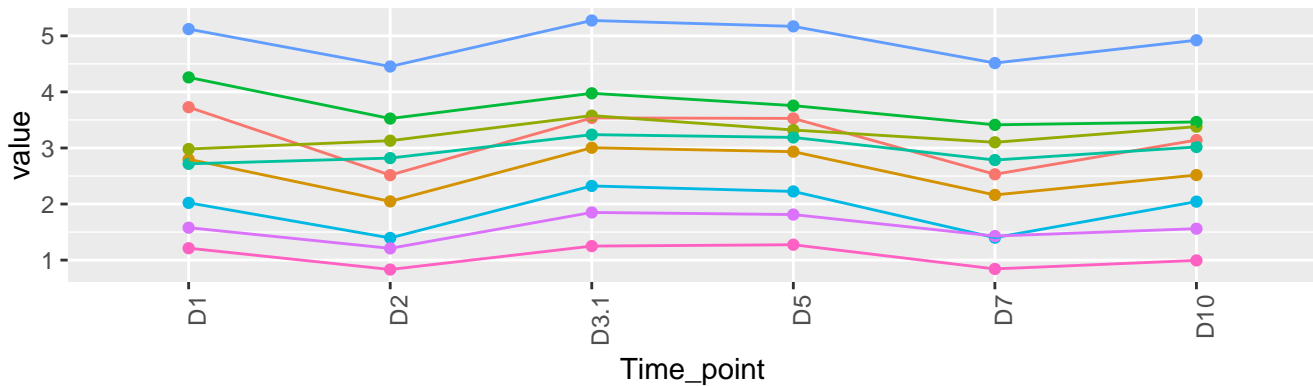
9 genes – WT-cluster-17-original



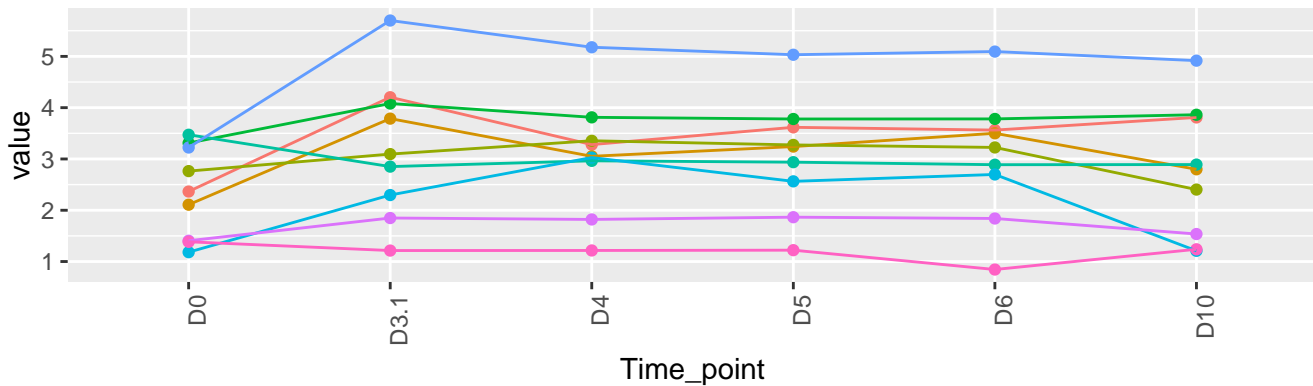
8 genes – KO-cluster-17-original



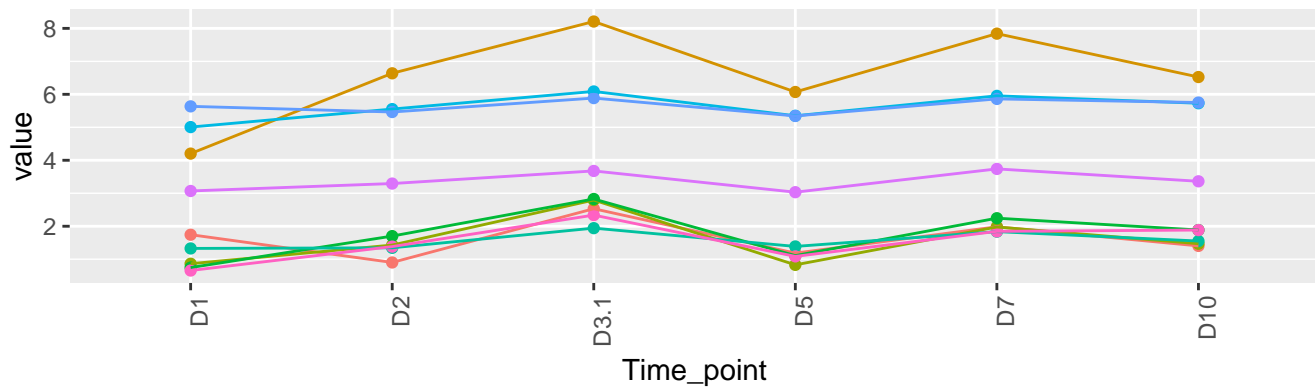
9 genes – WT-cluster-16-original



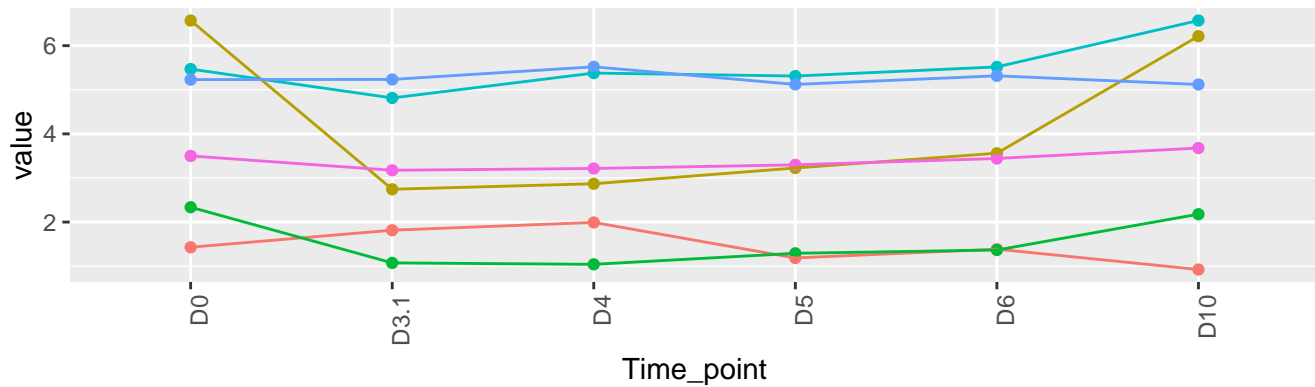
9 genes – KO-cluster-16-original



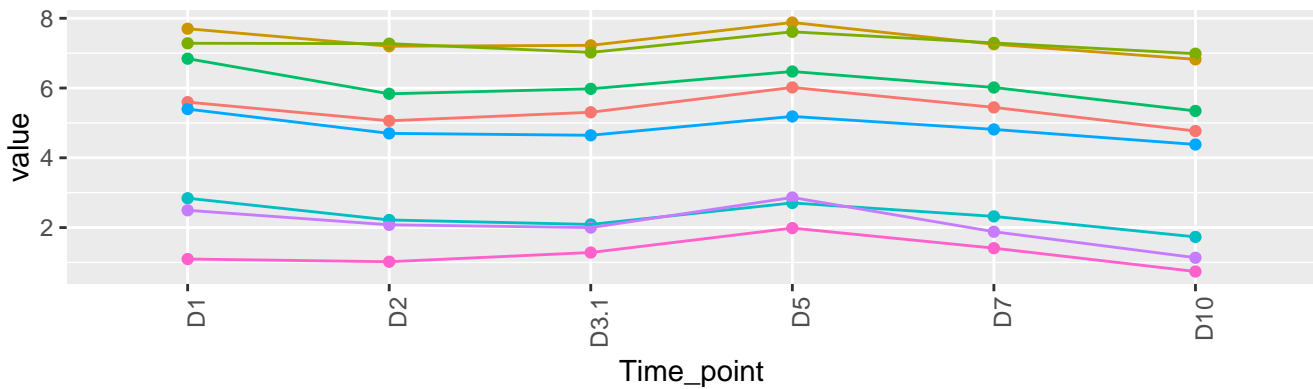
9 genes – WT-cluster-15-original



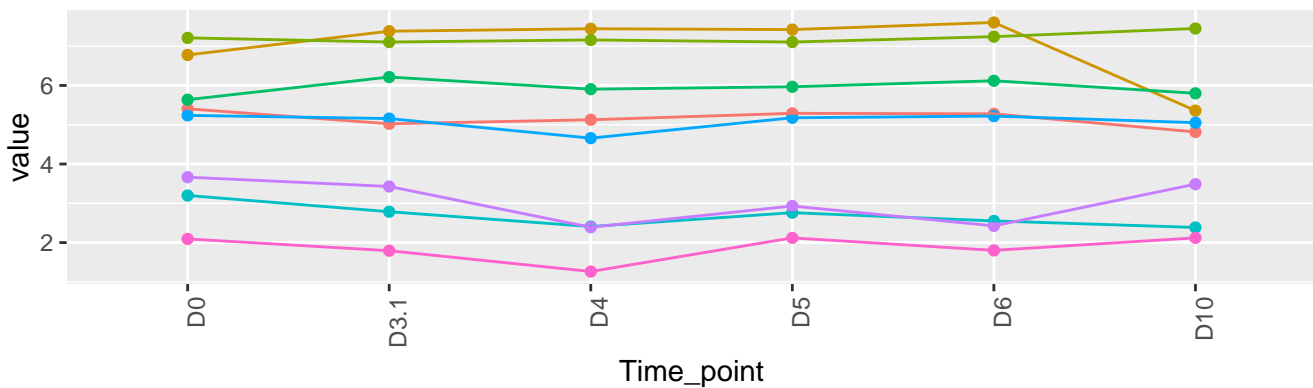
6 genes – KO-cluster-15-original



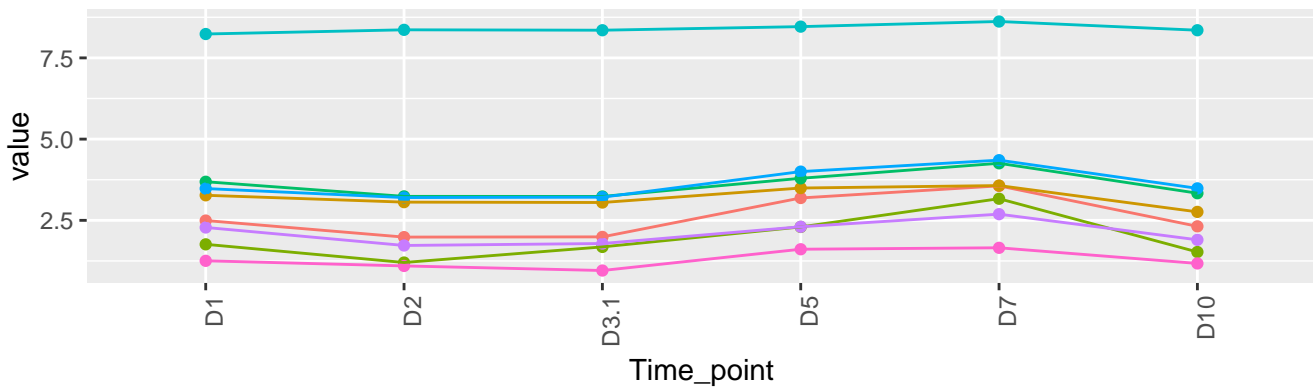
8 genes – WT-cluster-14-original



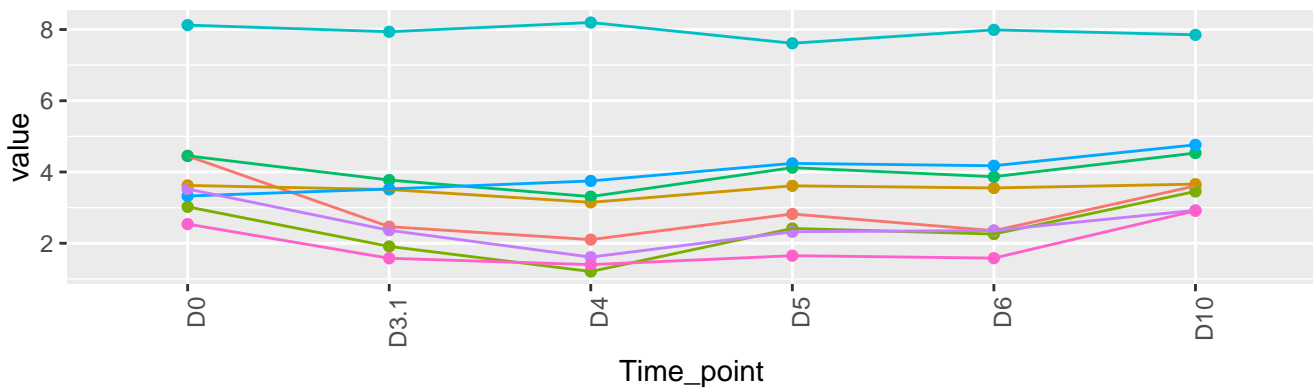
8 genes – KO-cluster-14-original



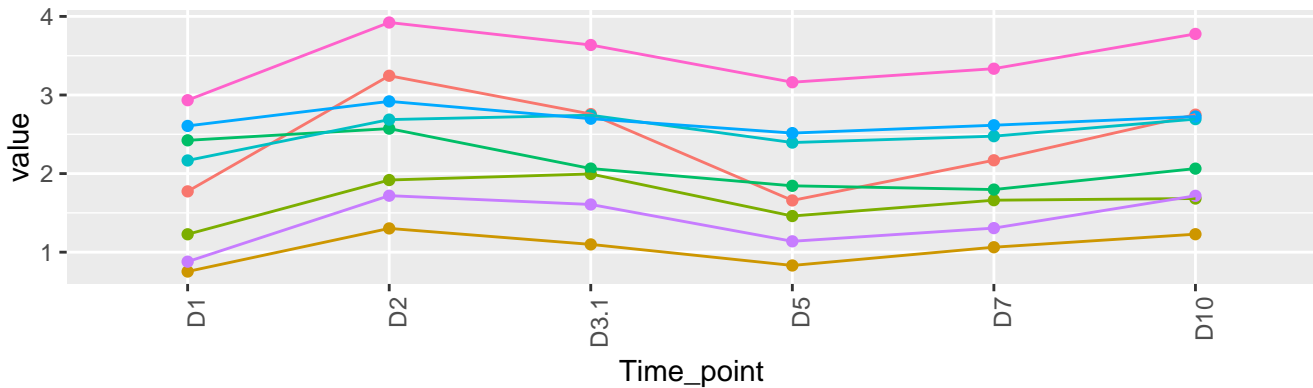
8 genes – WT-cluster-13-original



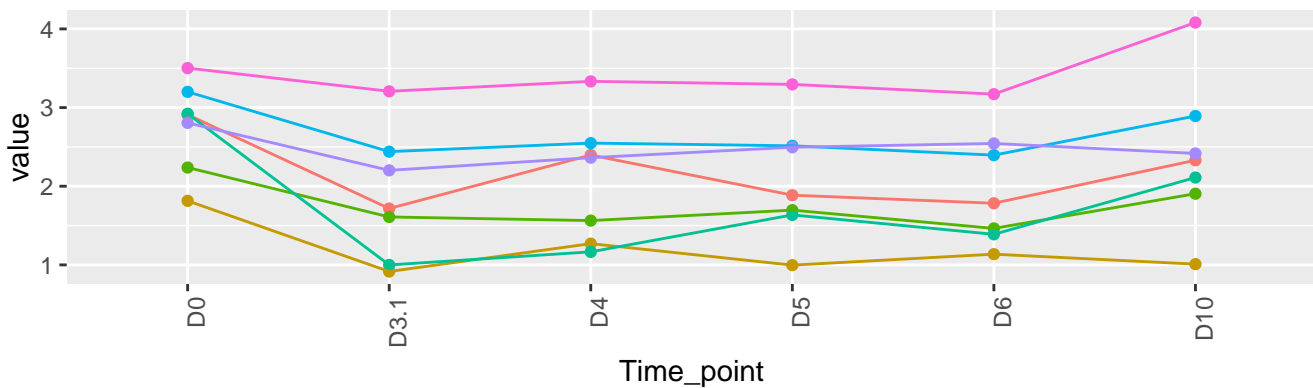
8 genes – KO-cluster-13-original



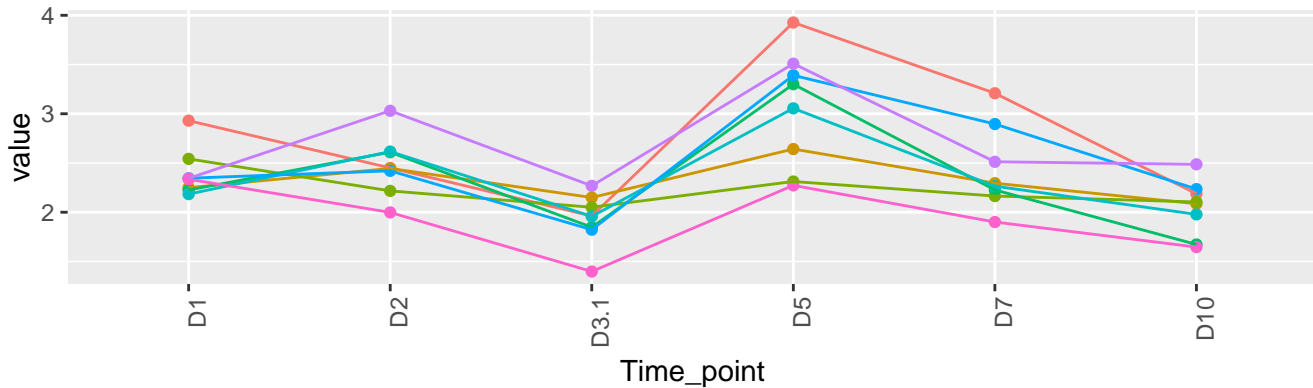
8 genes – WT-cluster-12-original



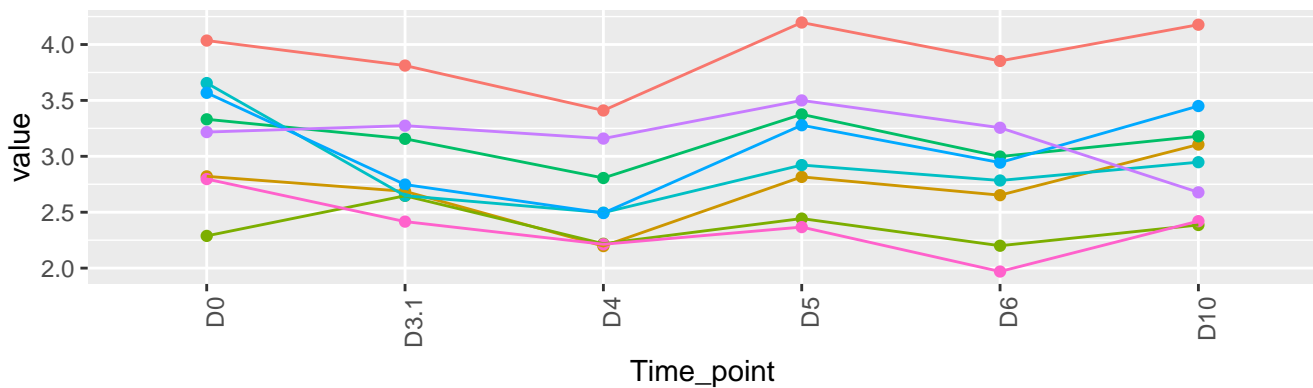
7 genes – KO-cluster-12-original



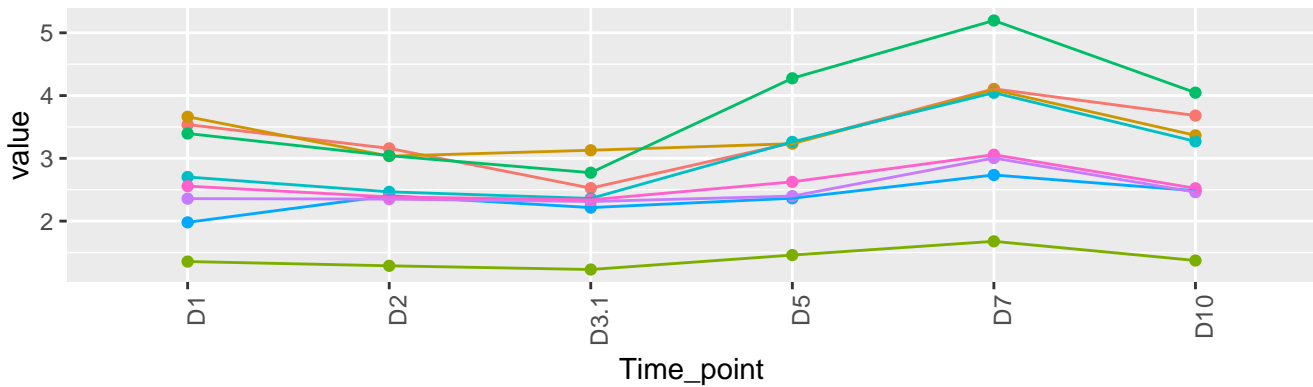
8 genes – WT-cluster-11-original



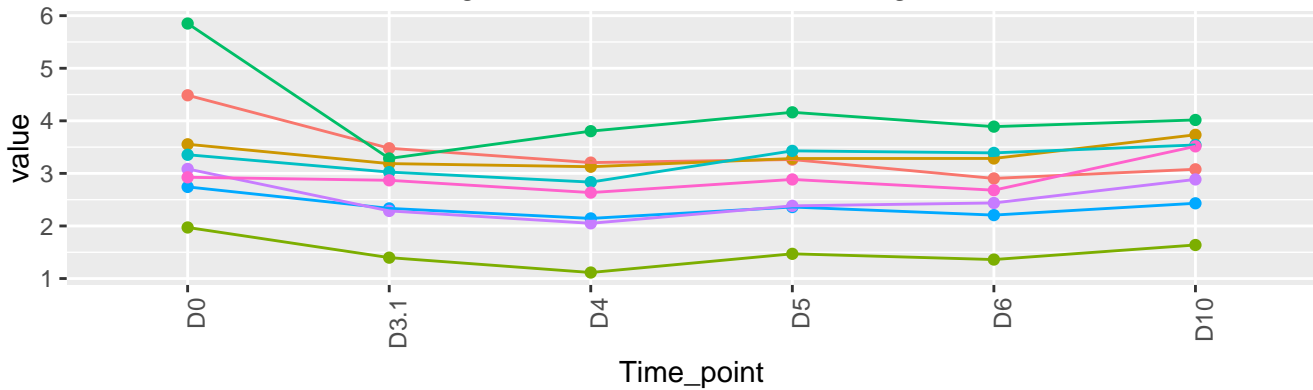
8 genes – KO-cluster-11-original



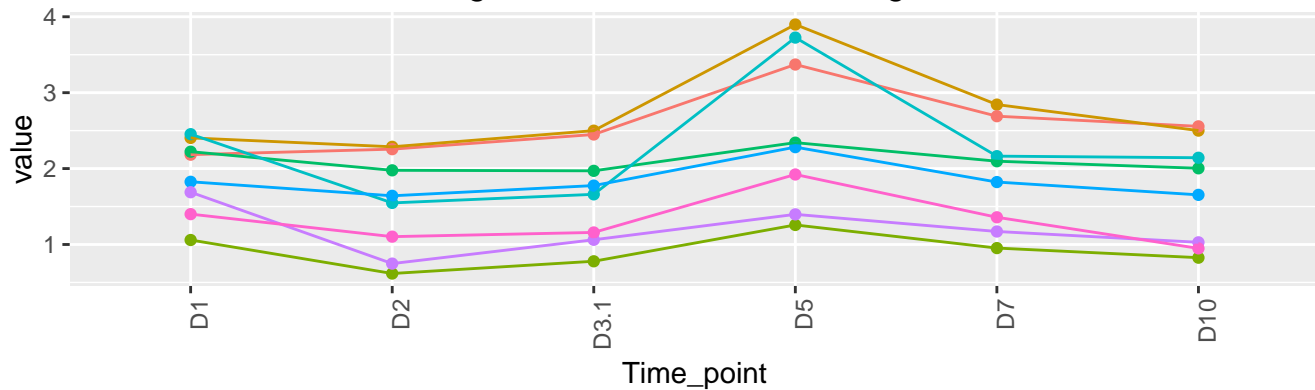
8 genes – WT-cluster-10-original



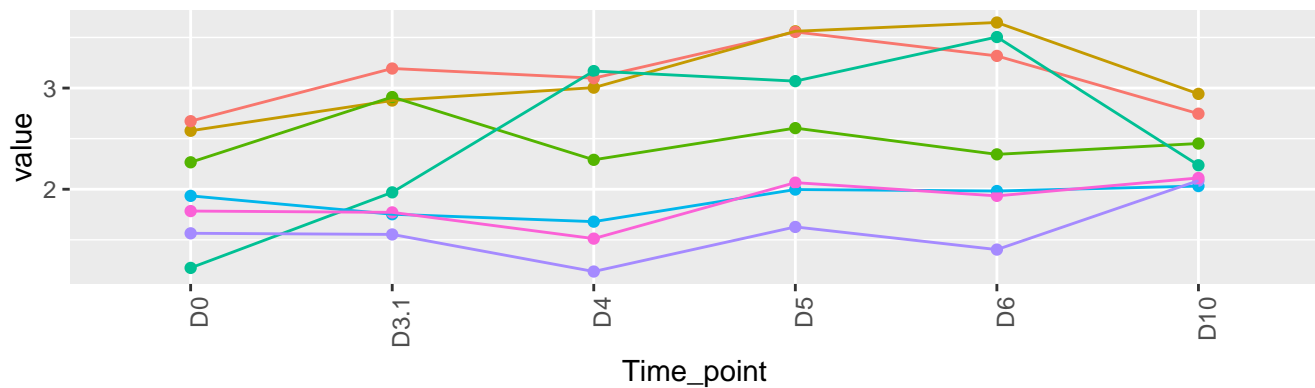
8 genes – KO-cluster-10-original



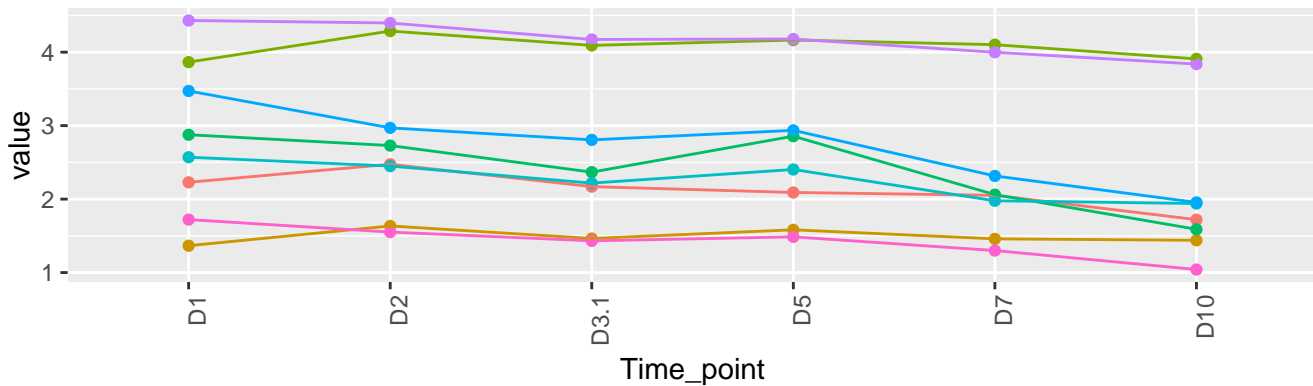
8 genes – WT-cluster-9-original



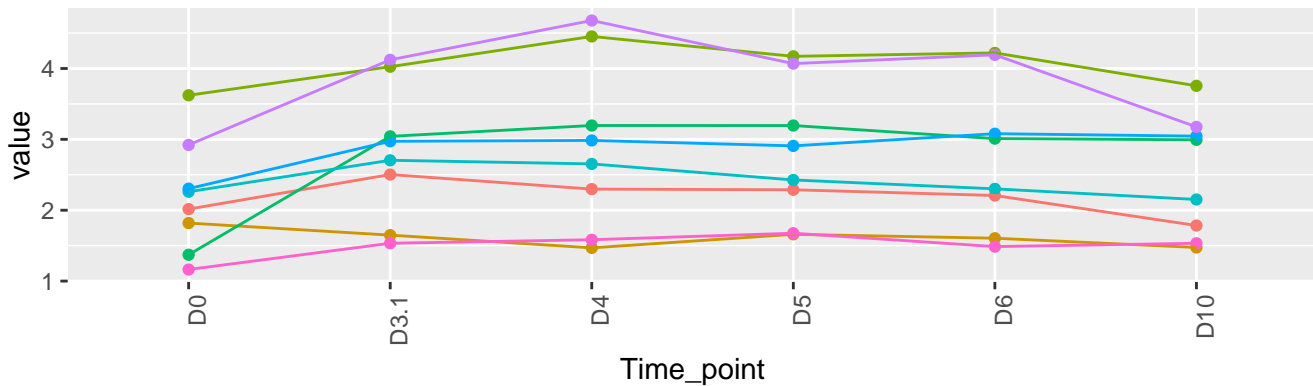
7 genes – KO-cluster-9-original



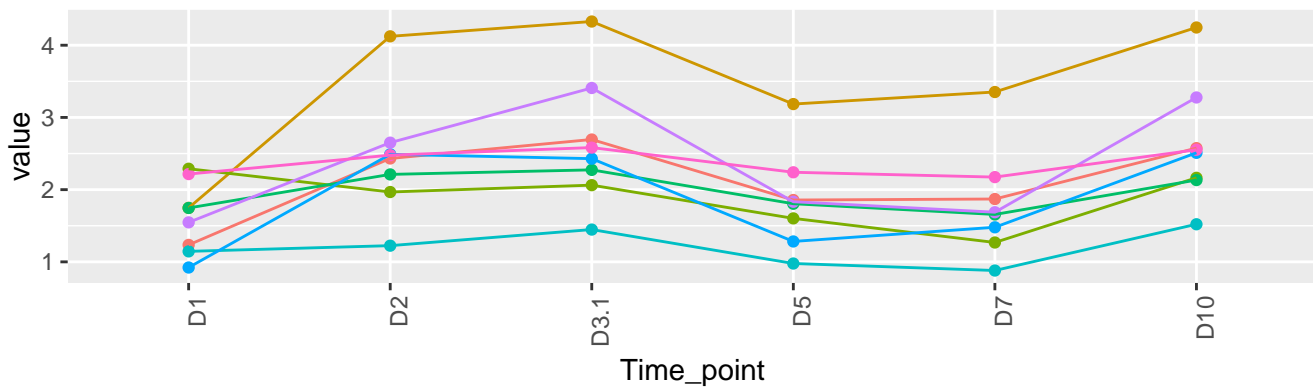
8 genes – WT-cluster-8-original



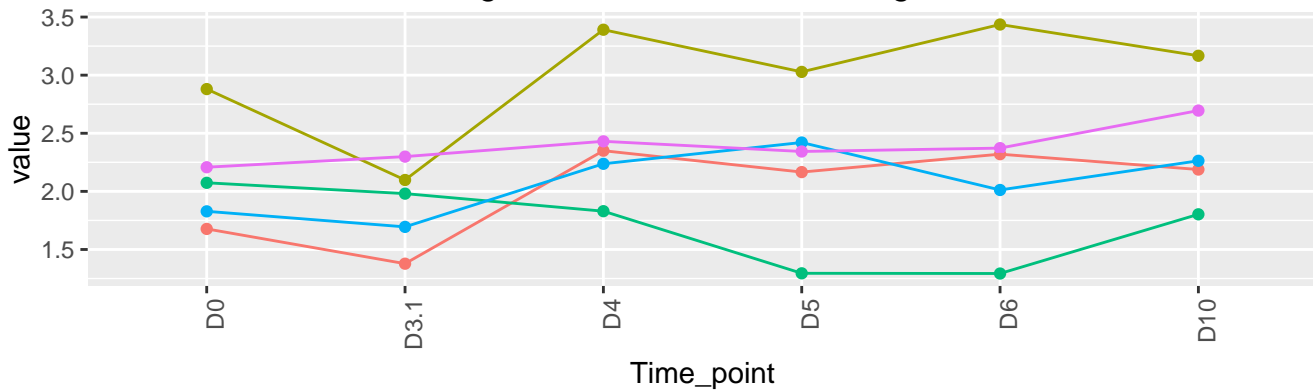
8 genes – KO-cluster-8-original



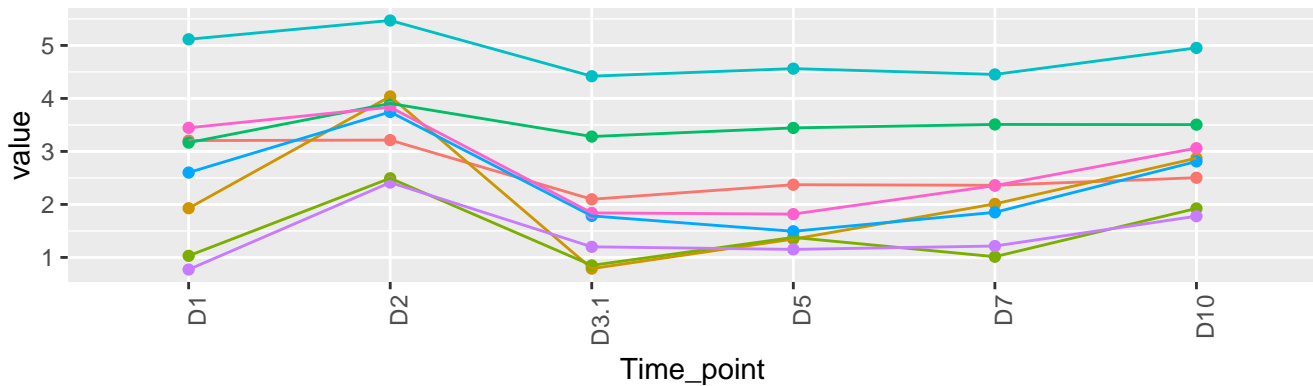
8 genes – WT-cluster-7-original



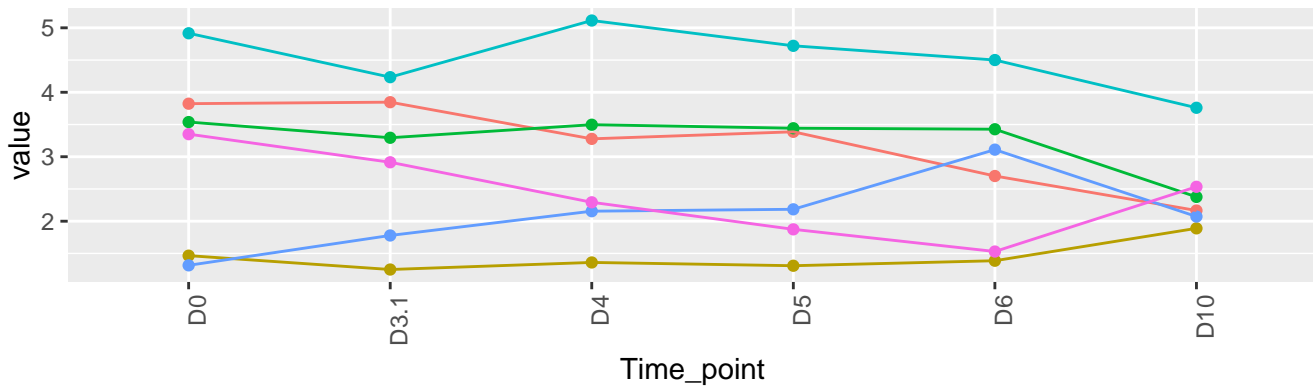
5 genes – KO-cluster-7-original



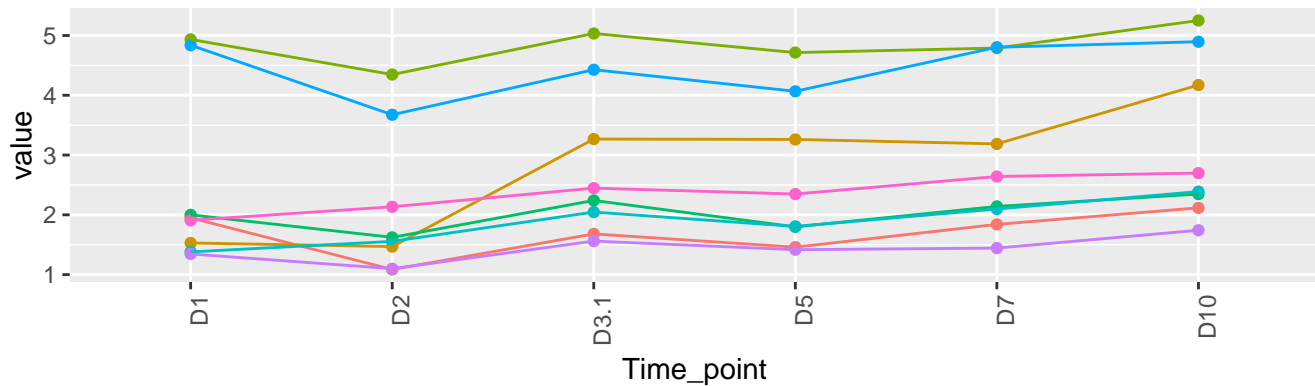
8 genes – WT-cluster-6-original



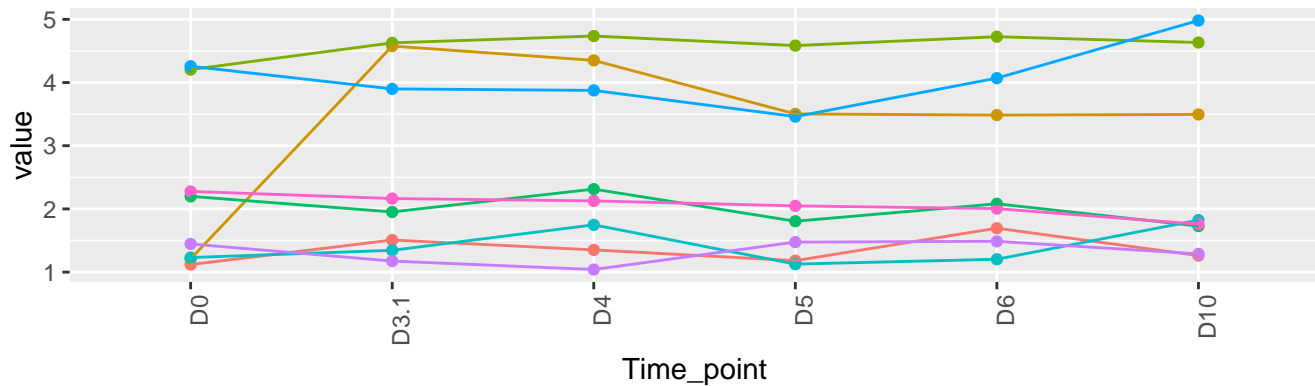
6 genes – KO-cluster-6-original



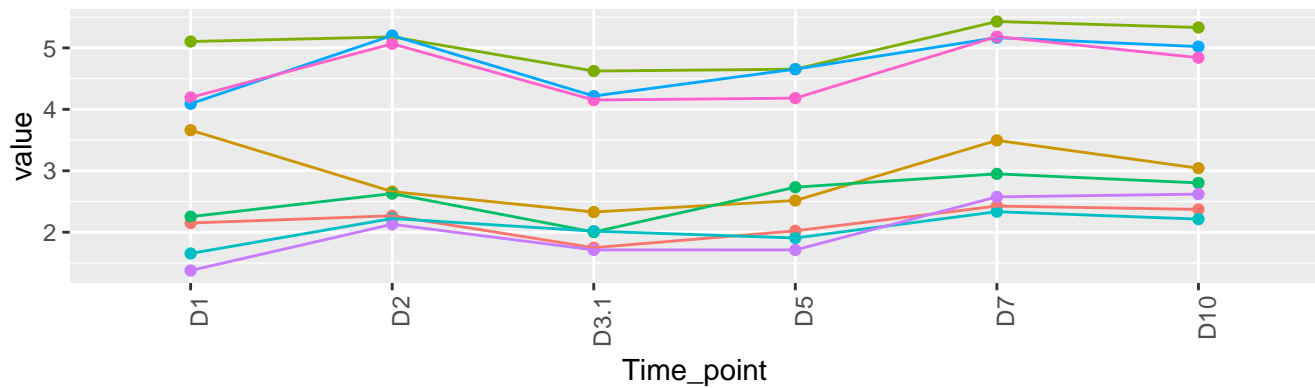
8 genes – WT-cluster-5-original



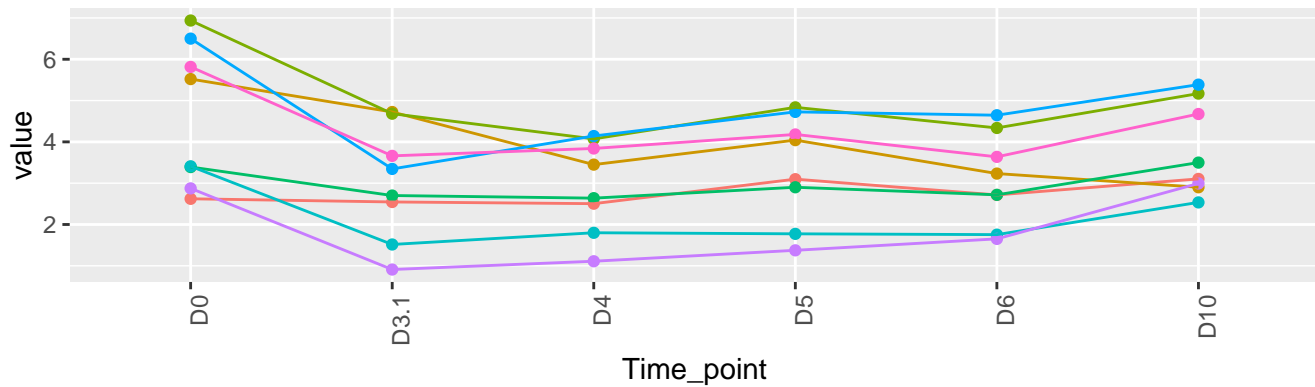
8 genes – KO-cluster-5-original



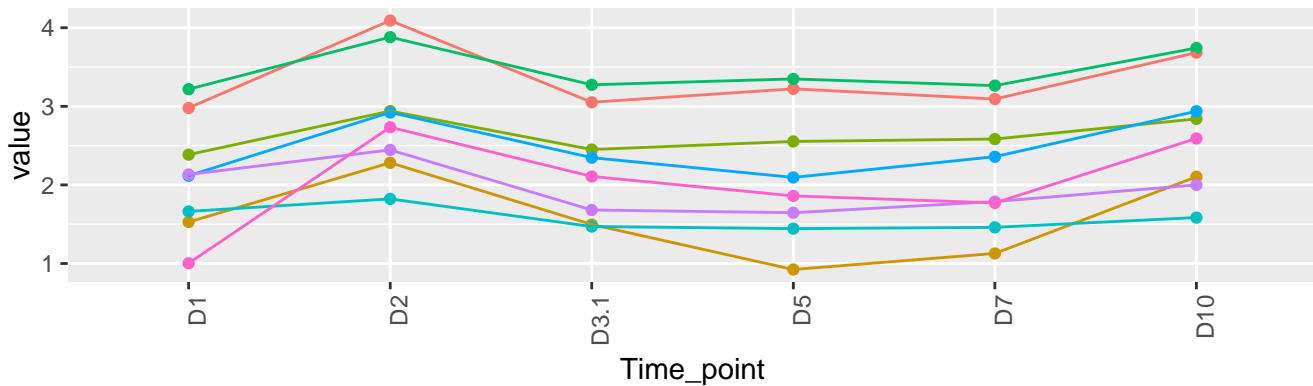
8 genes – WT-cluster-4-original



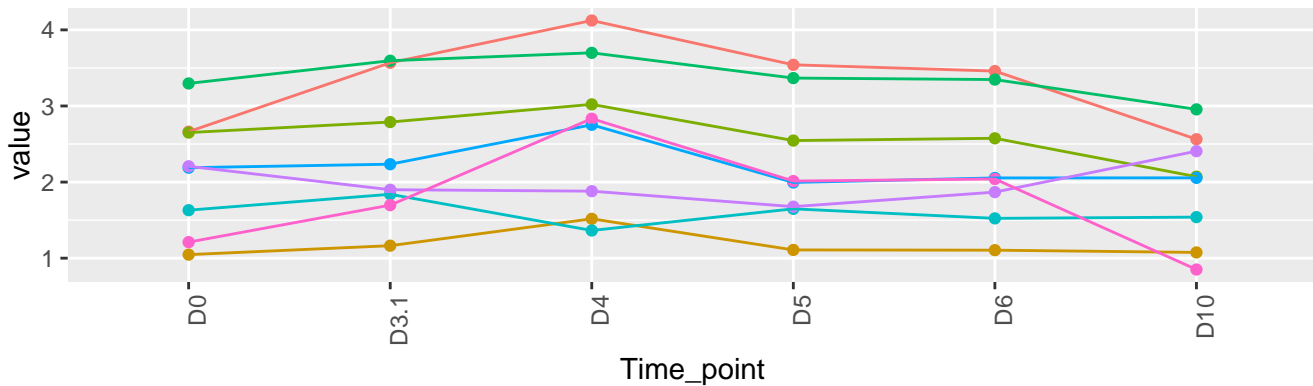
8 genes – KO-cluster-4-original



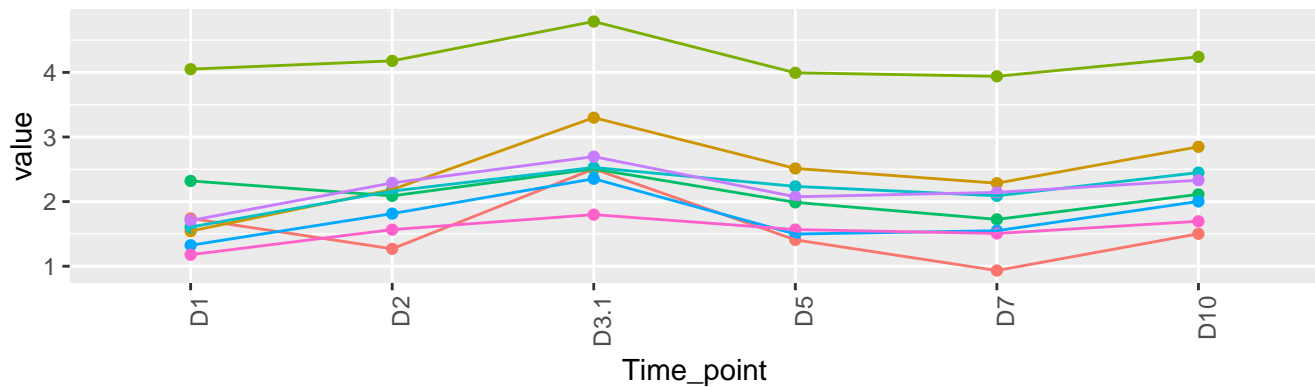
8 genes – WT-cluster-3-original



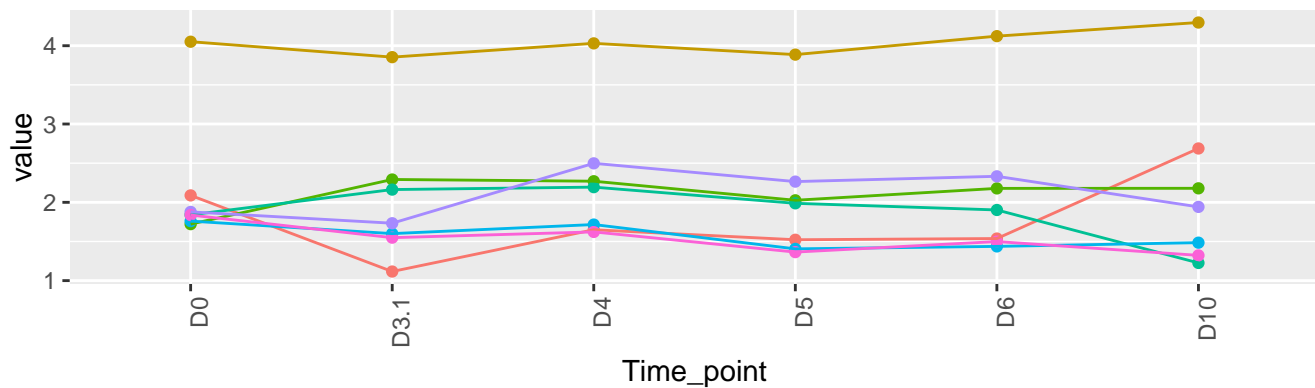
8 genes – KO-cluster-3-original



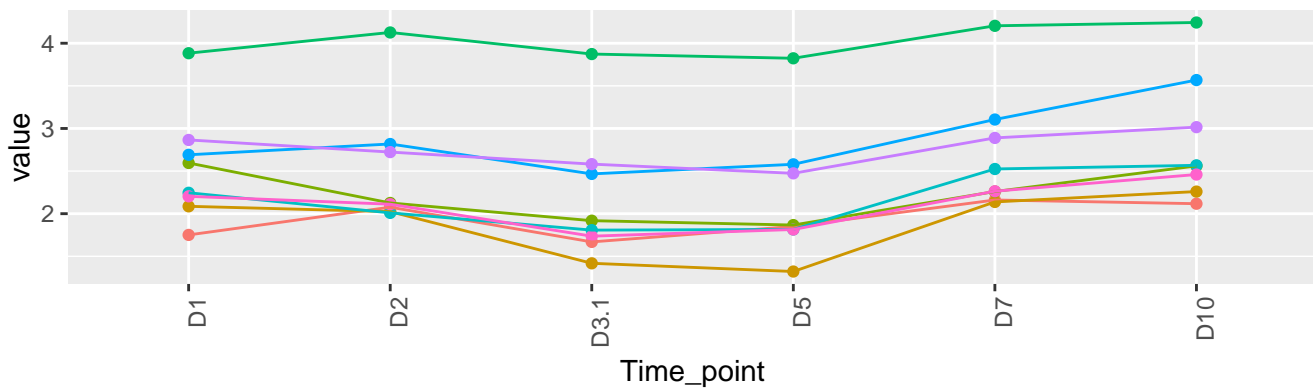
8 genes – WT-cluster-2-original



7 genes – KO-cluster-2-original



8 genes – WT-cluster-1-original



8 genes – KO-cluster-1-original

