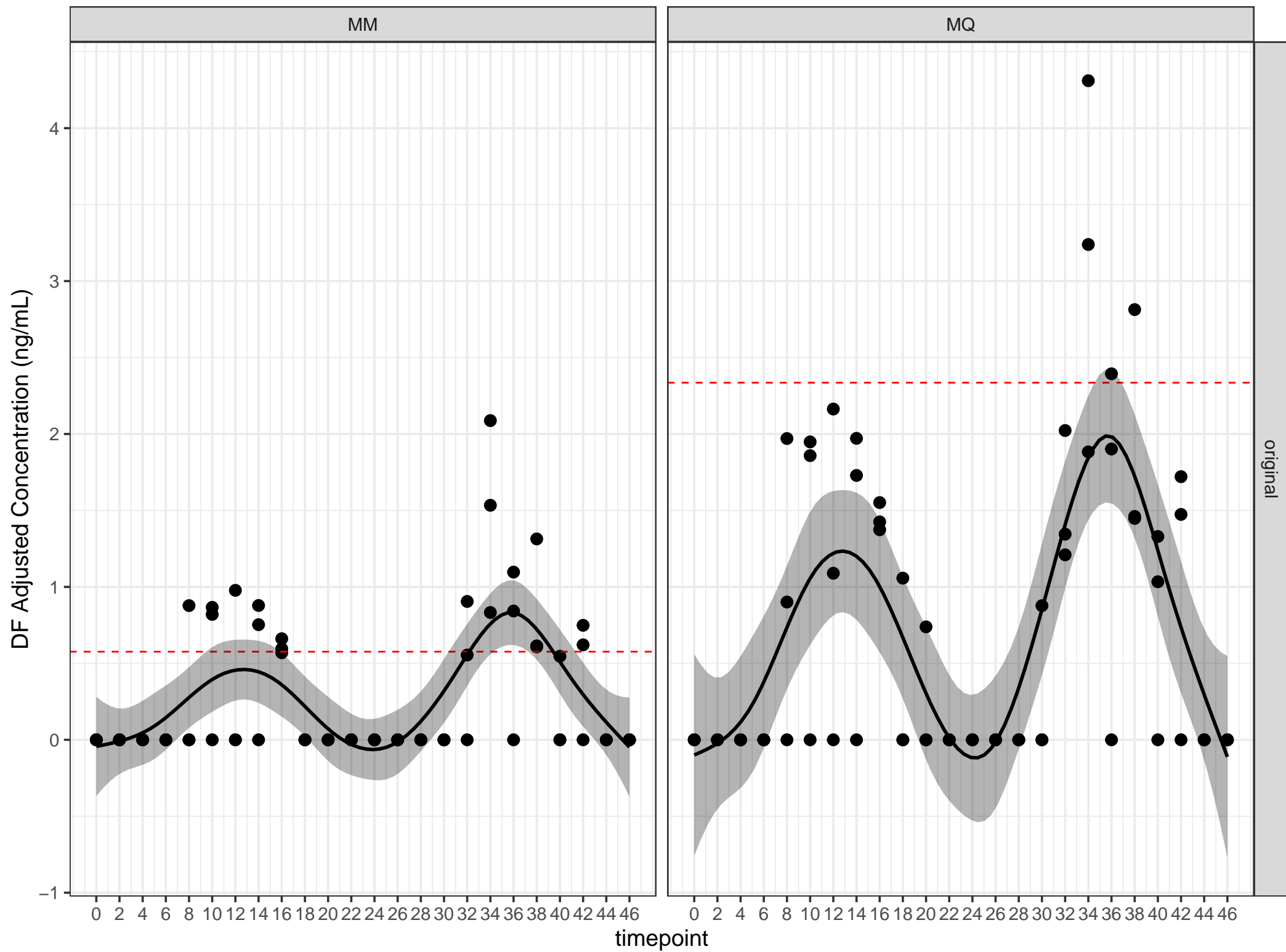
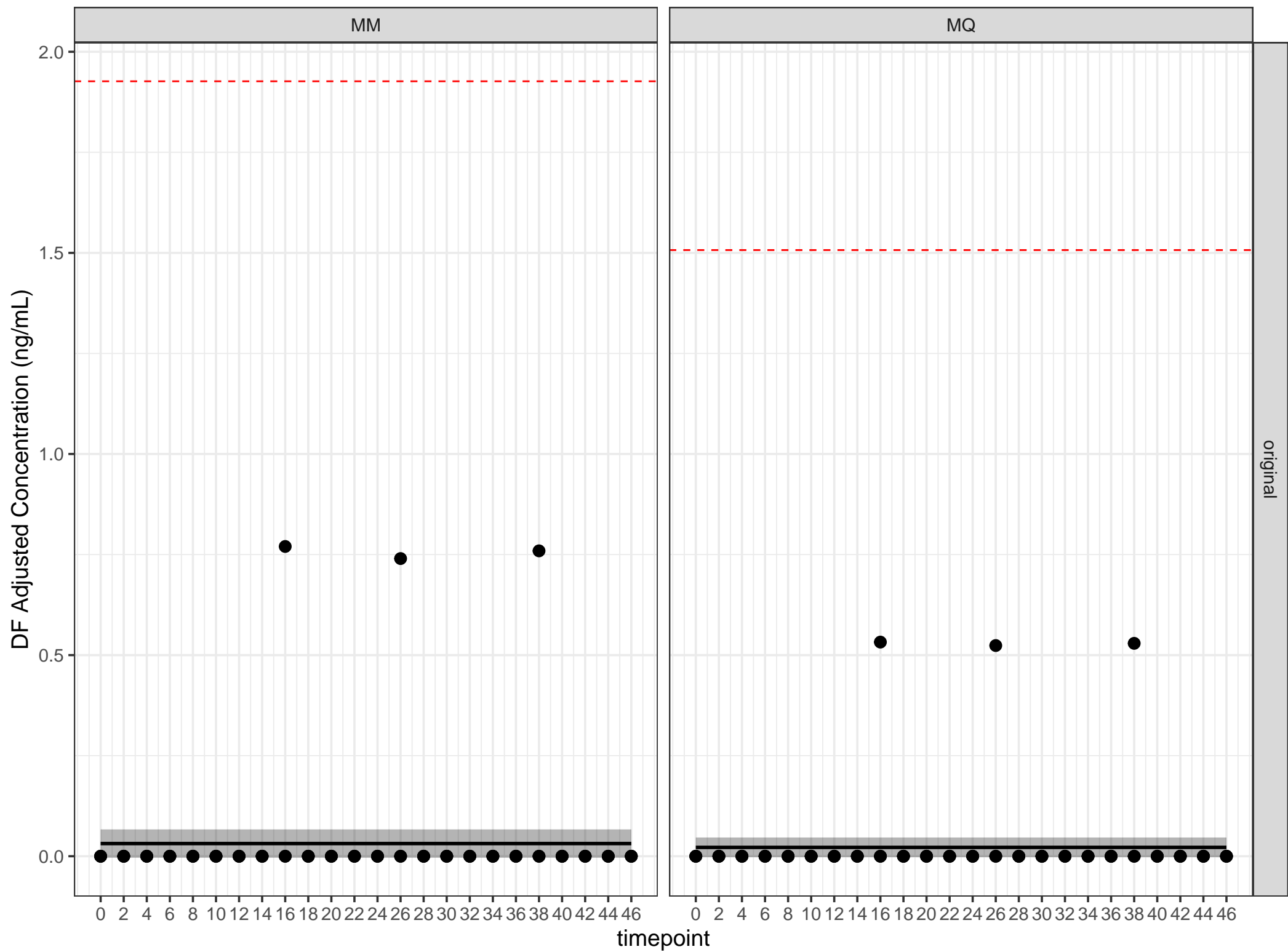


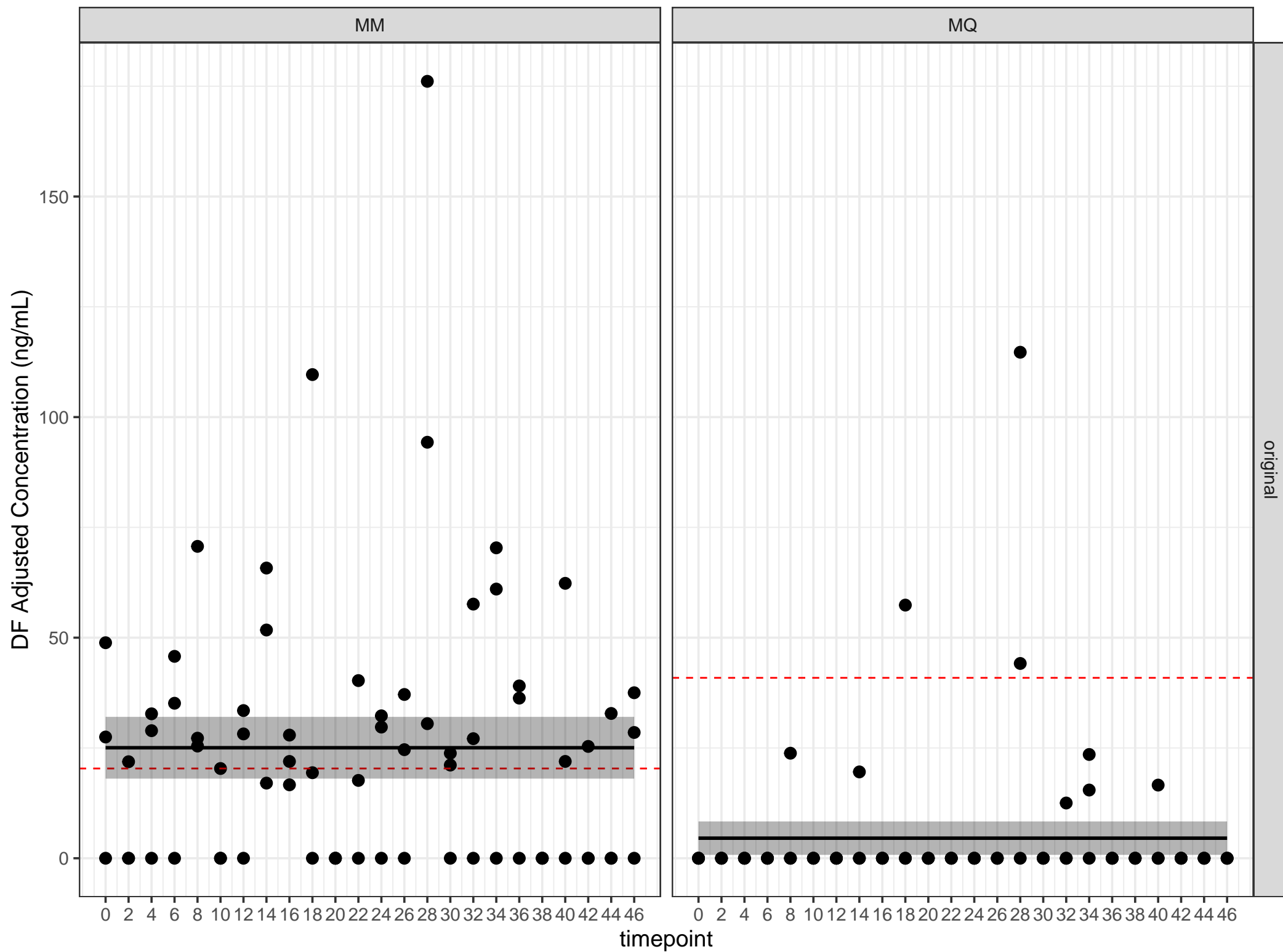
2-deoxycytidine pos



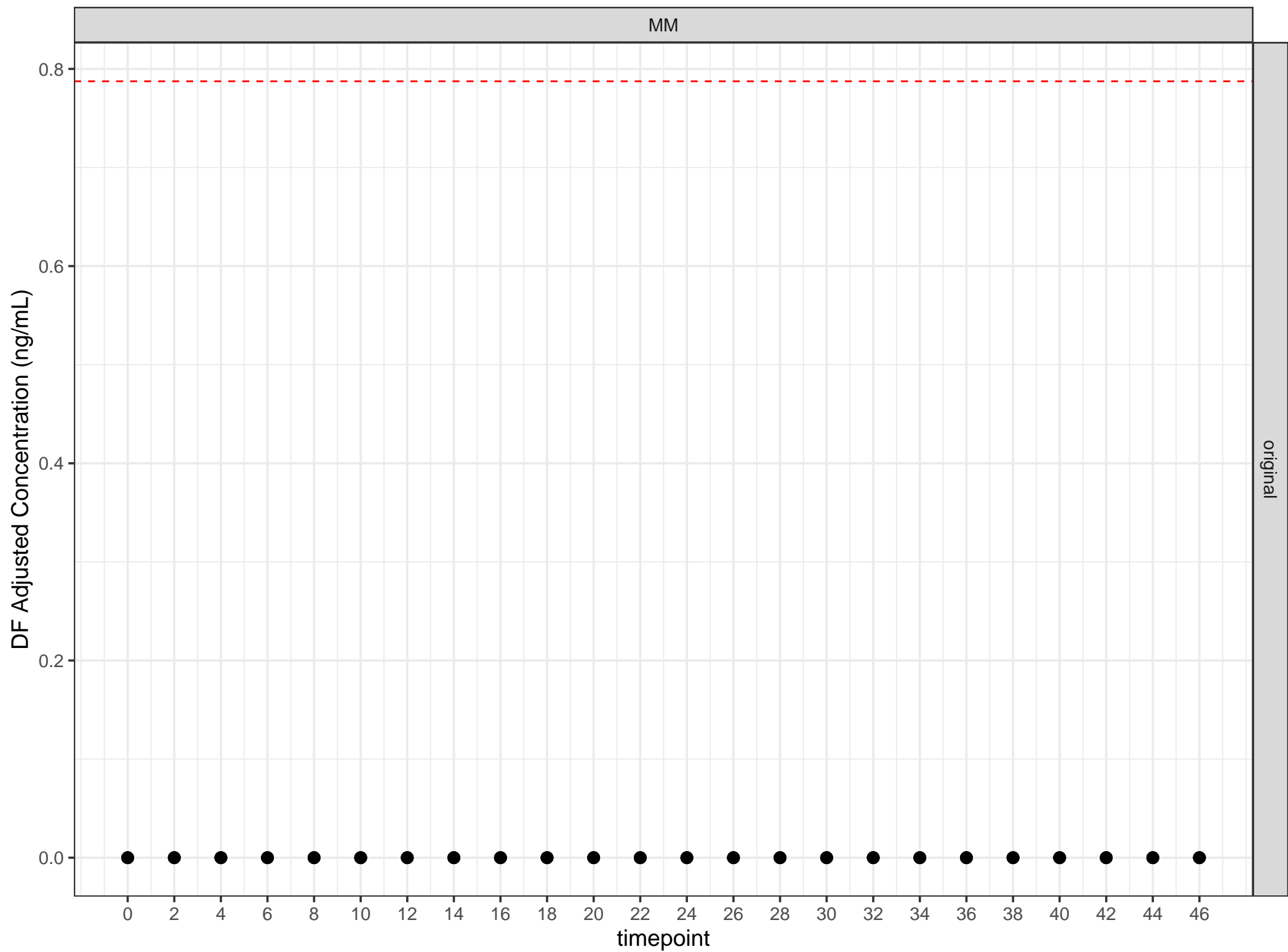
2-deoxyuridine



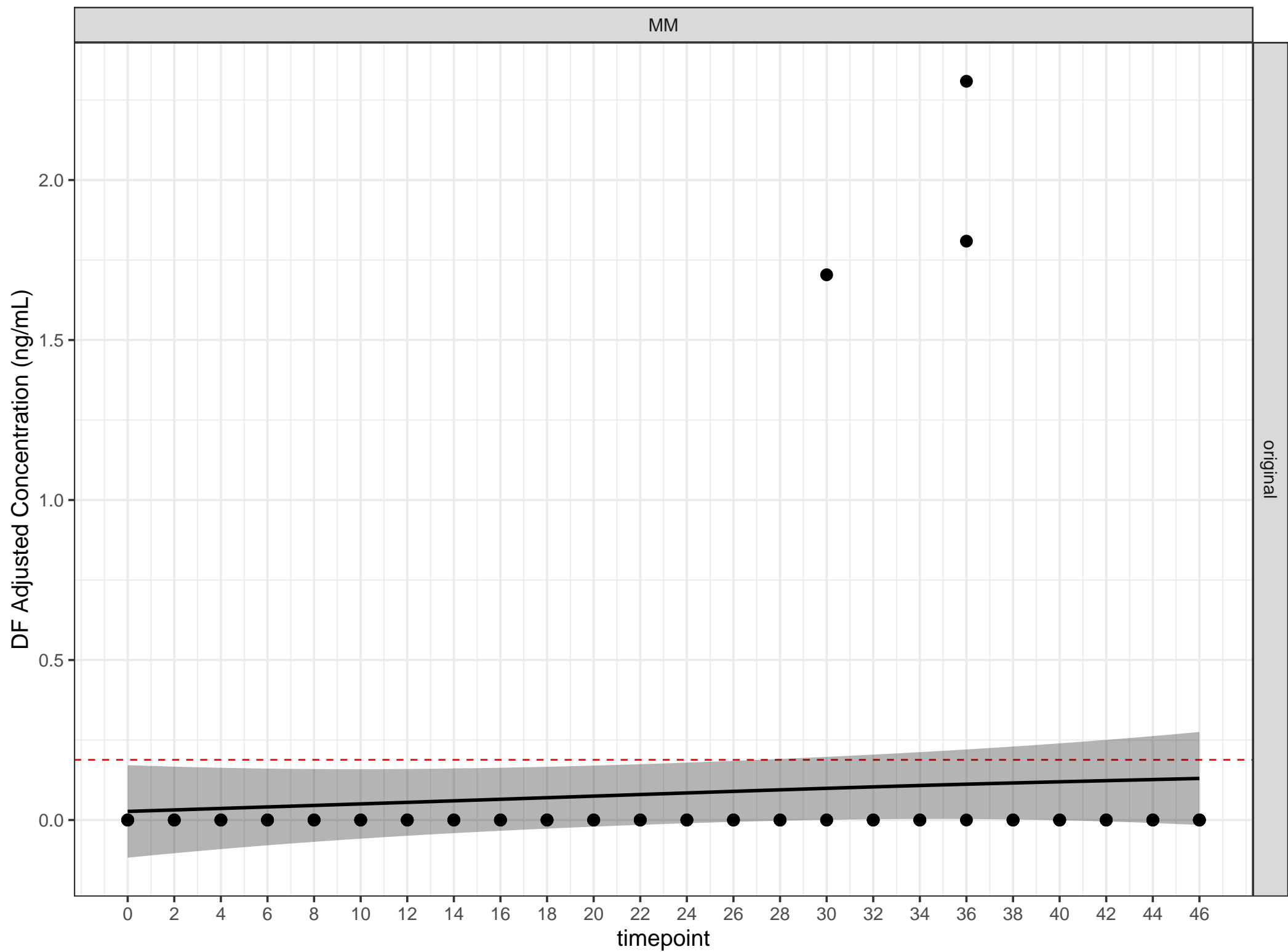
2-methyl-4-oxopentanoic acid



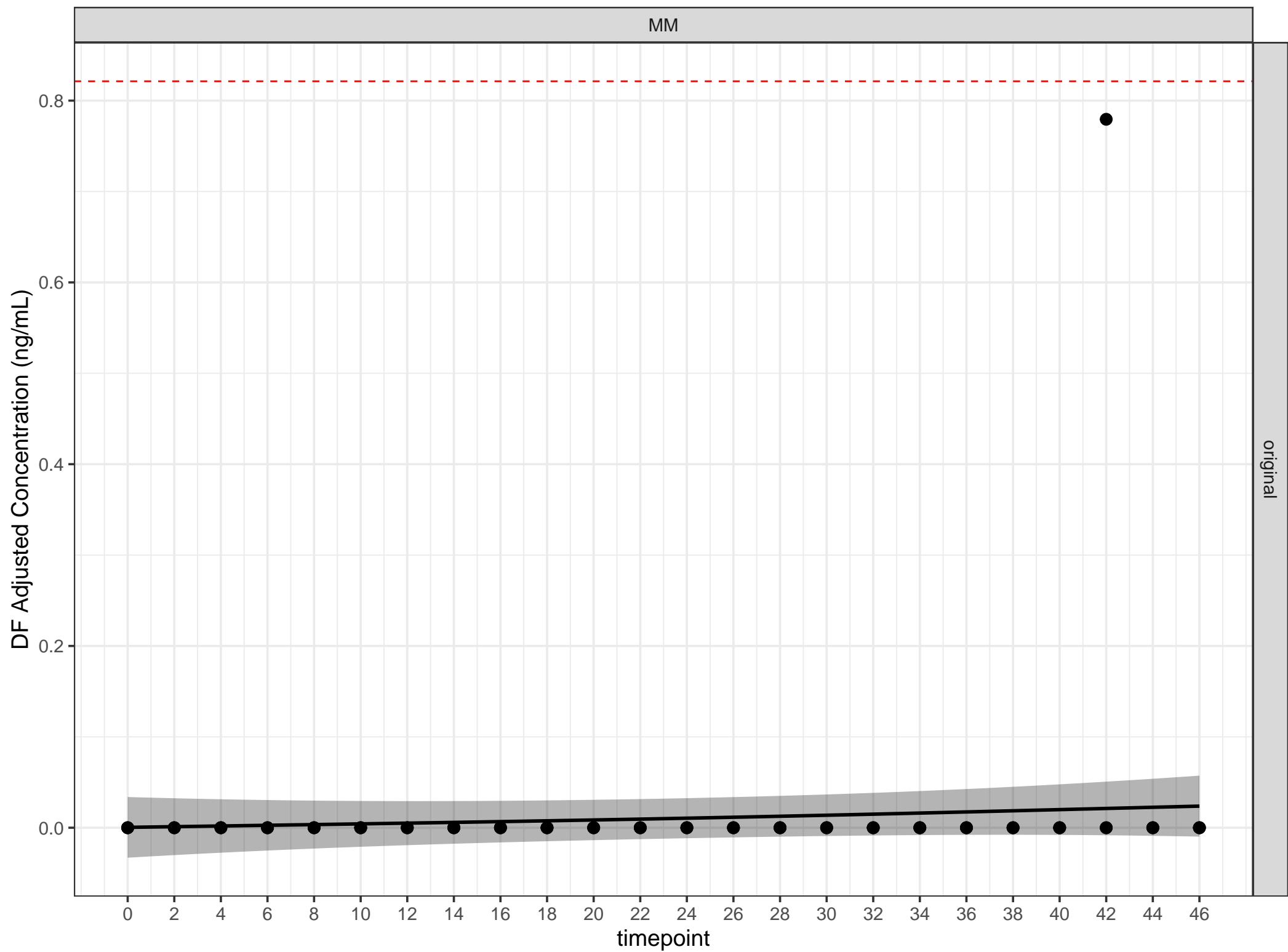
2_3-dihydroxybenzoic acid



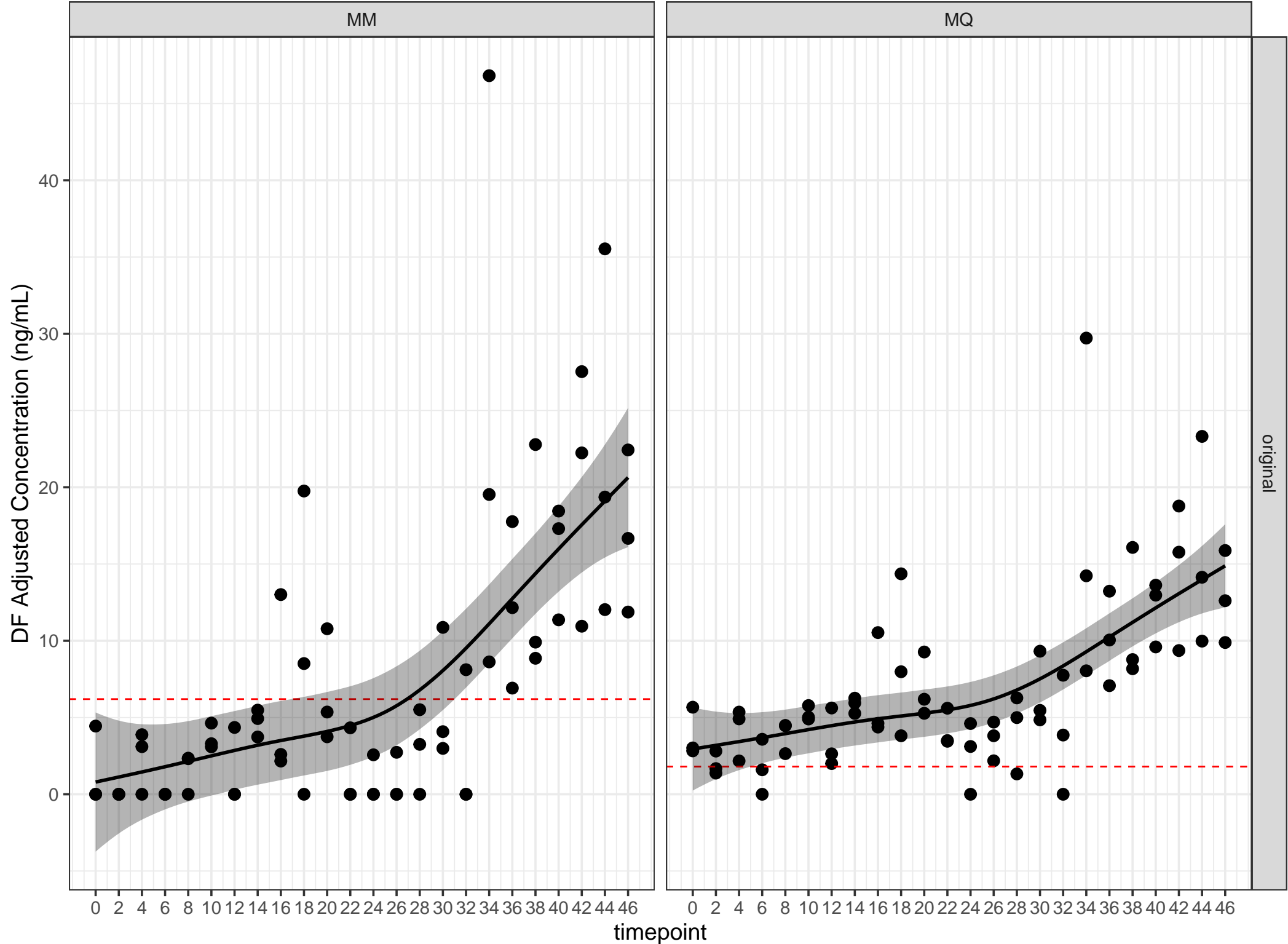
3-hydroxybenzoic acid



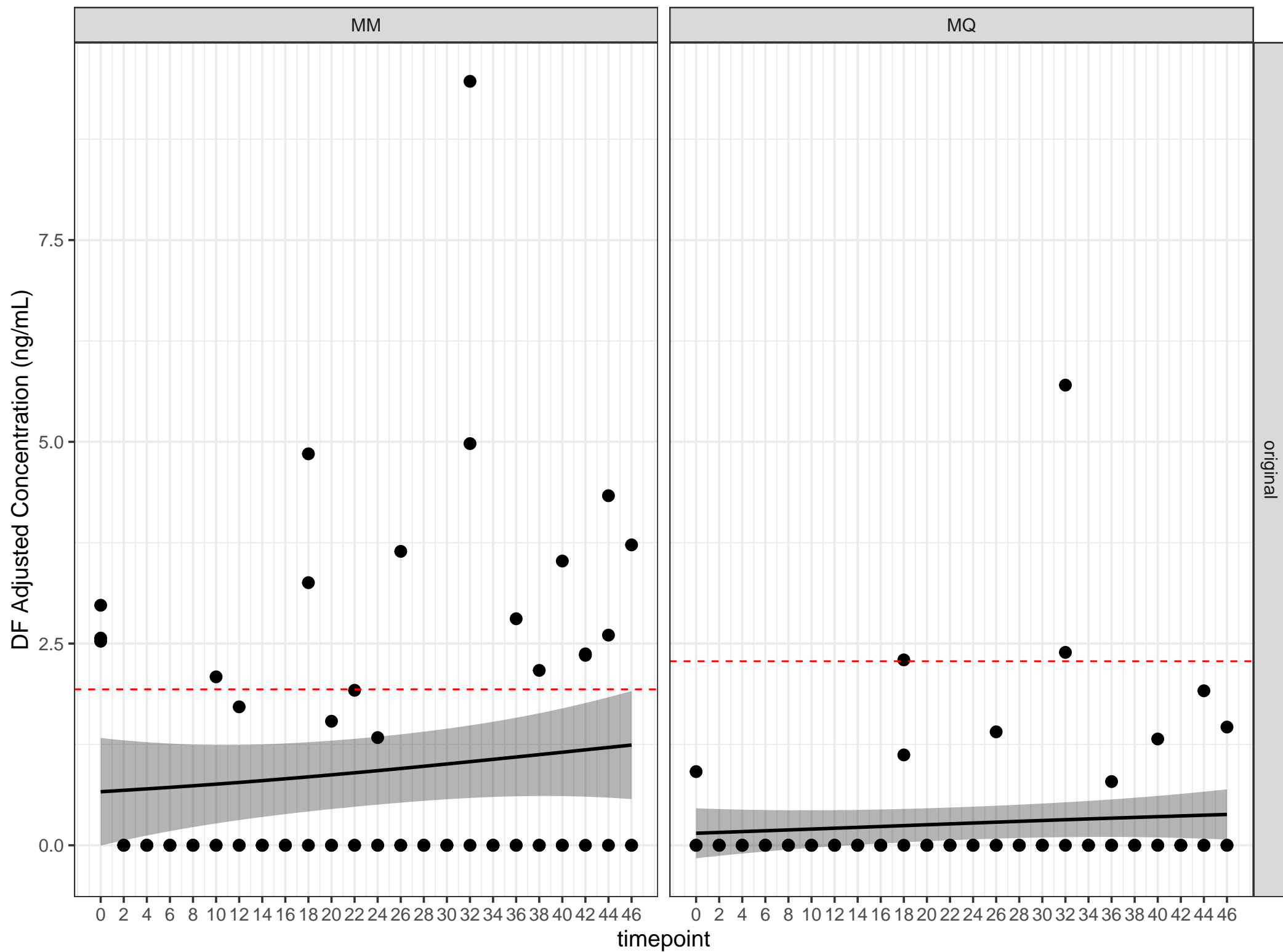
3-mercapto propionate



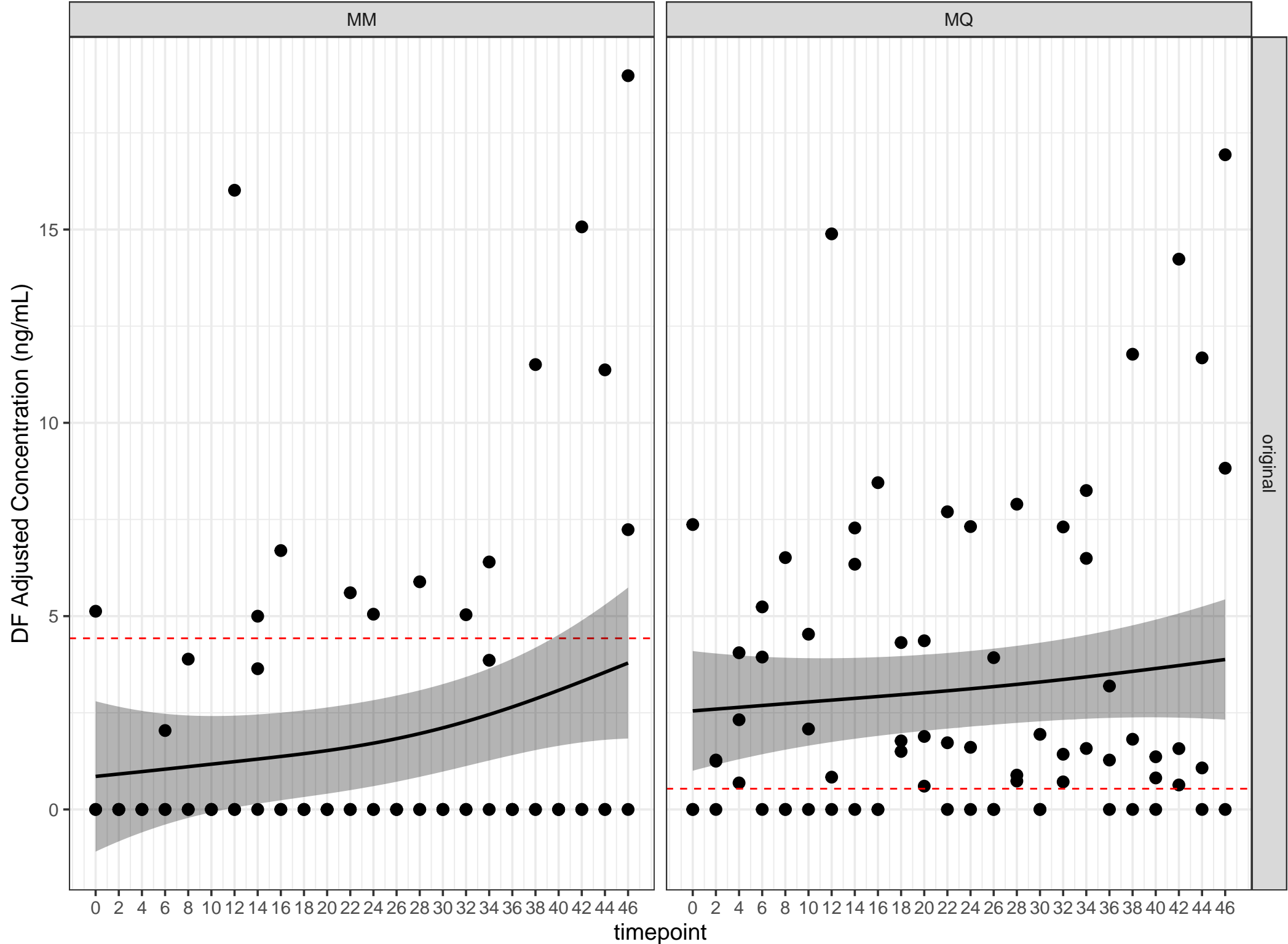
3-methyl-2-oxobutanoic acid



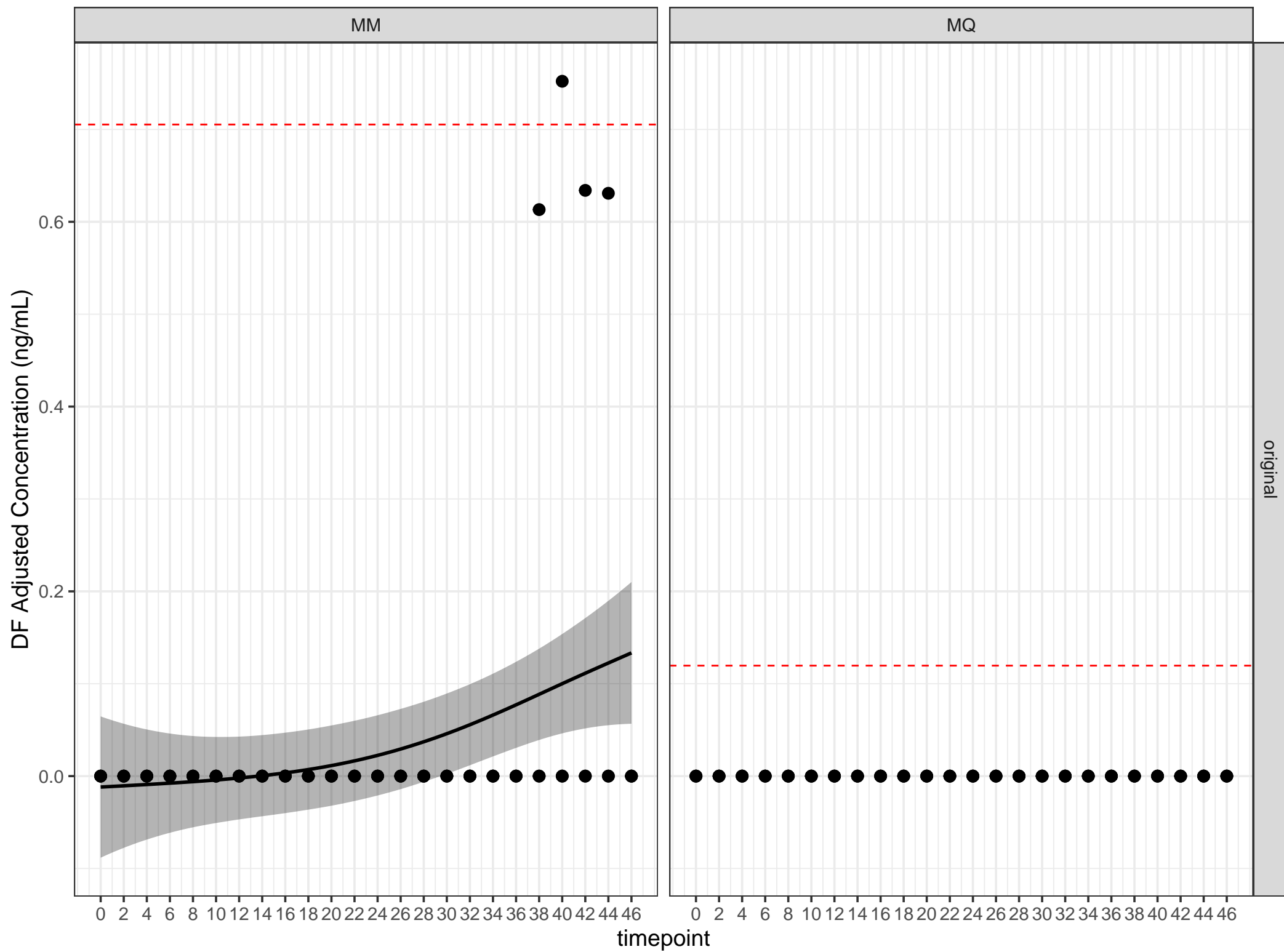
3-methyl-2-oxopentanoic acid



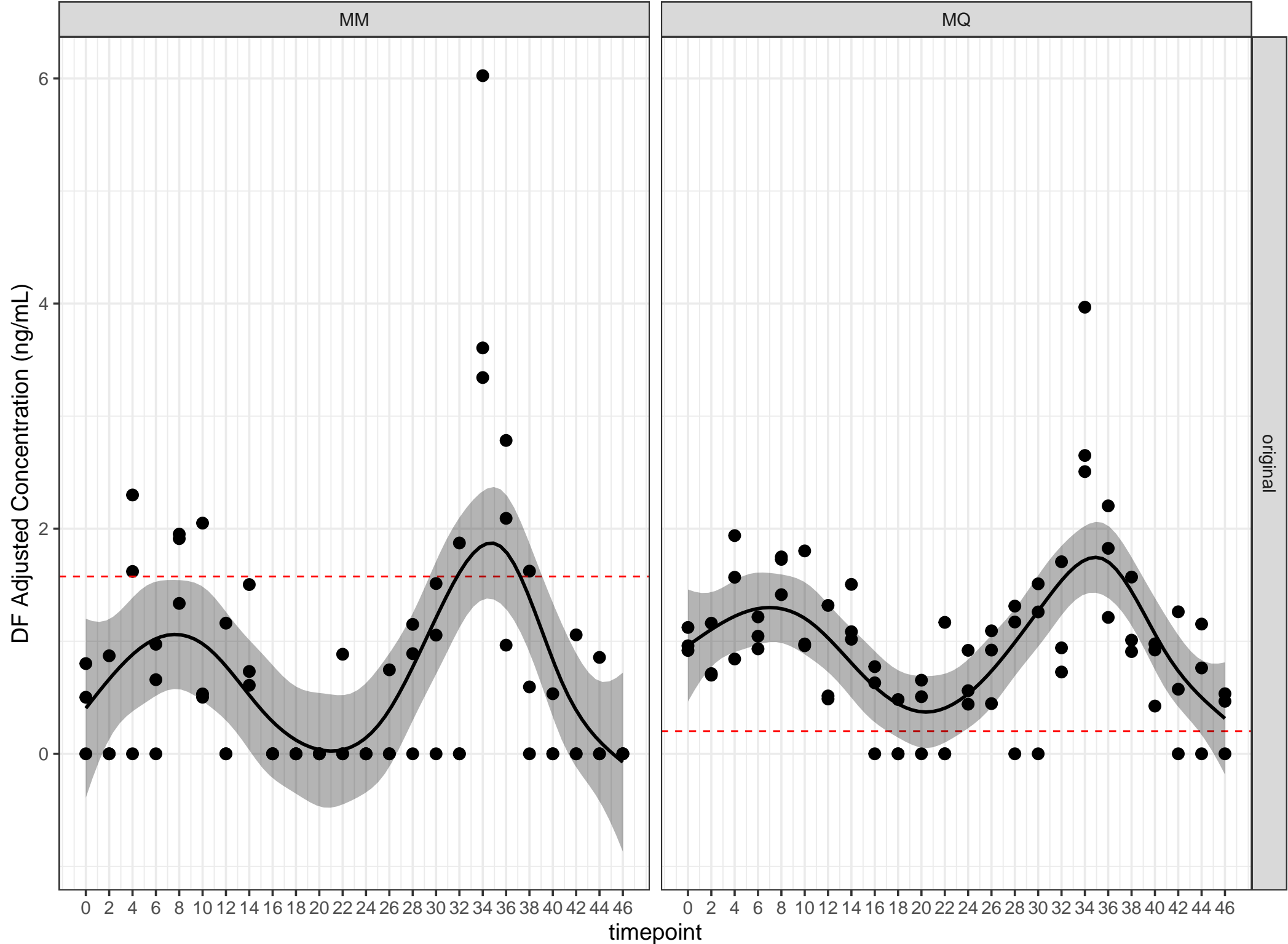
3_3-dimethyl-2-oxobutanoic acid



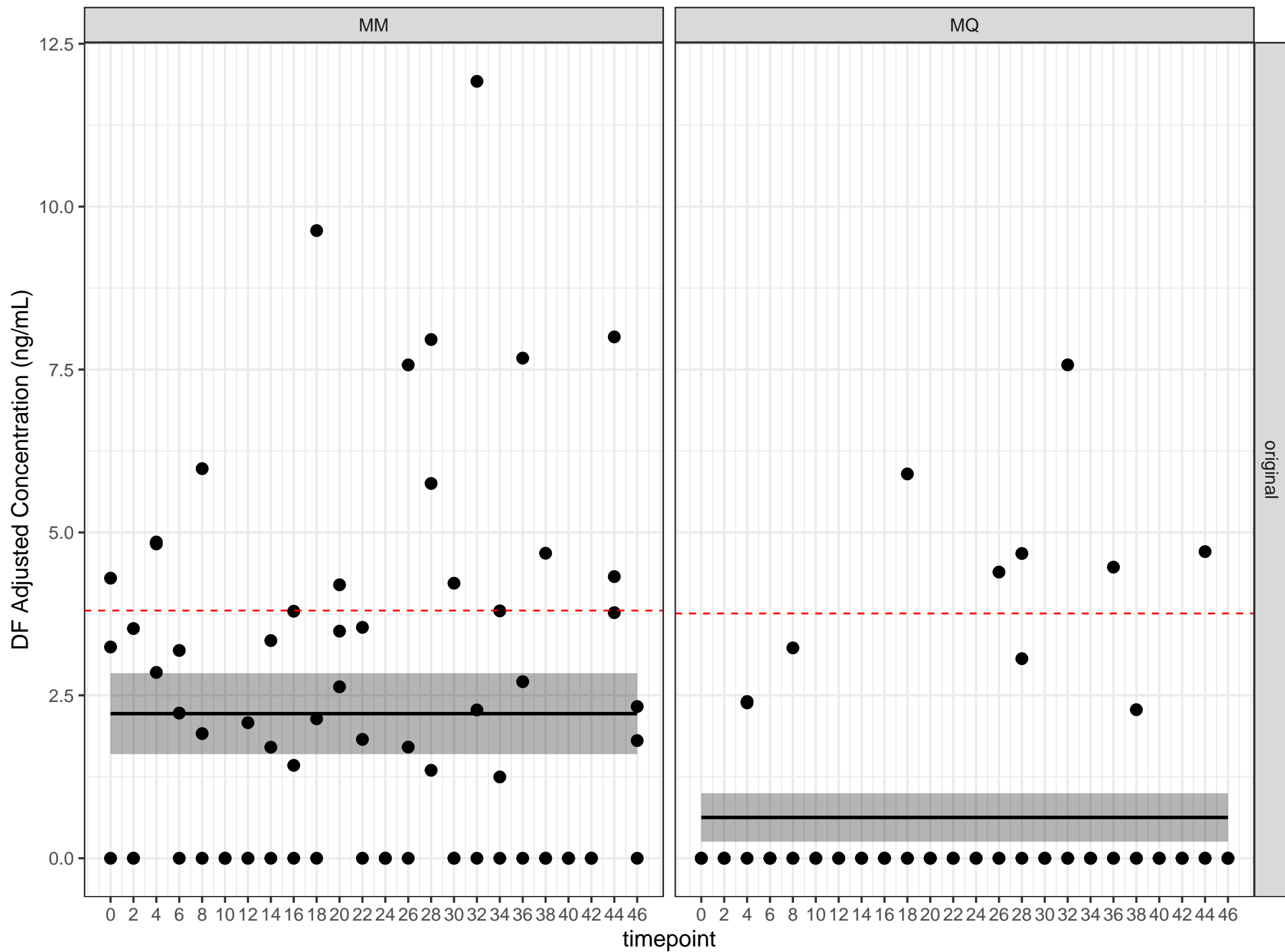
4-aminobenzoic acid

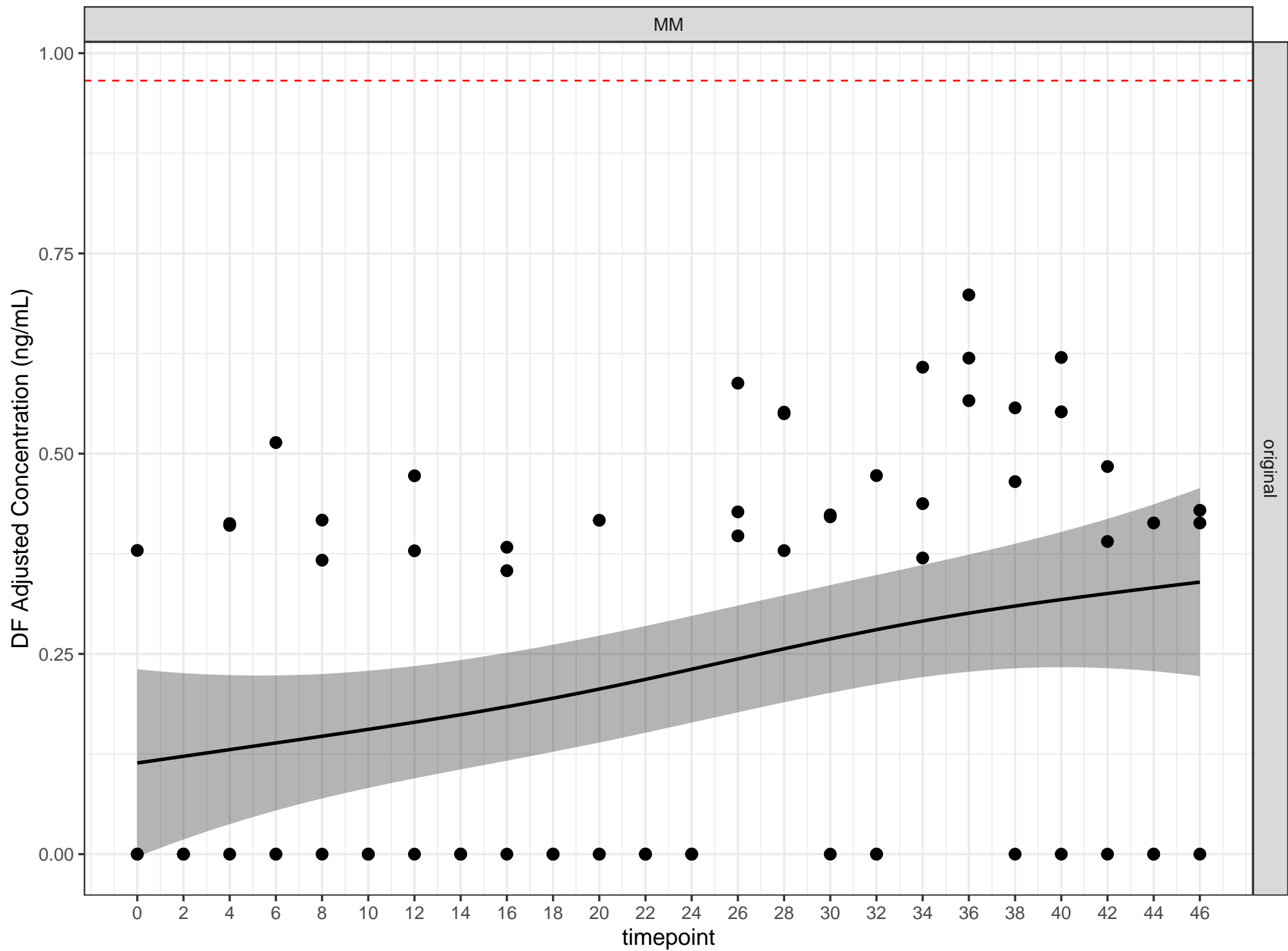


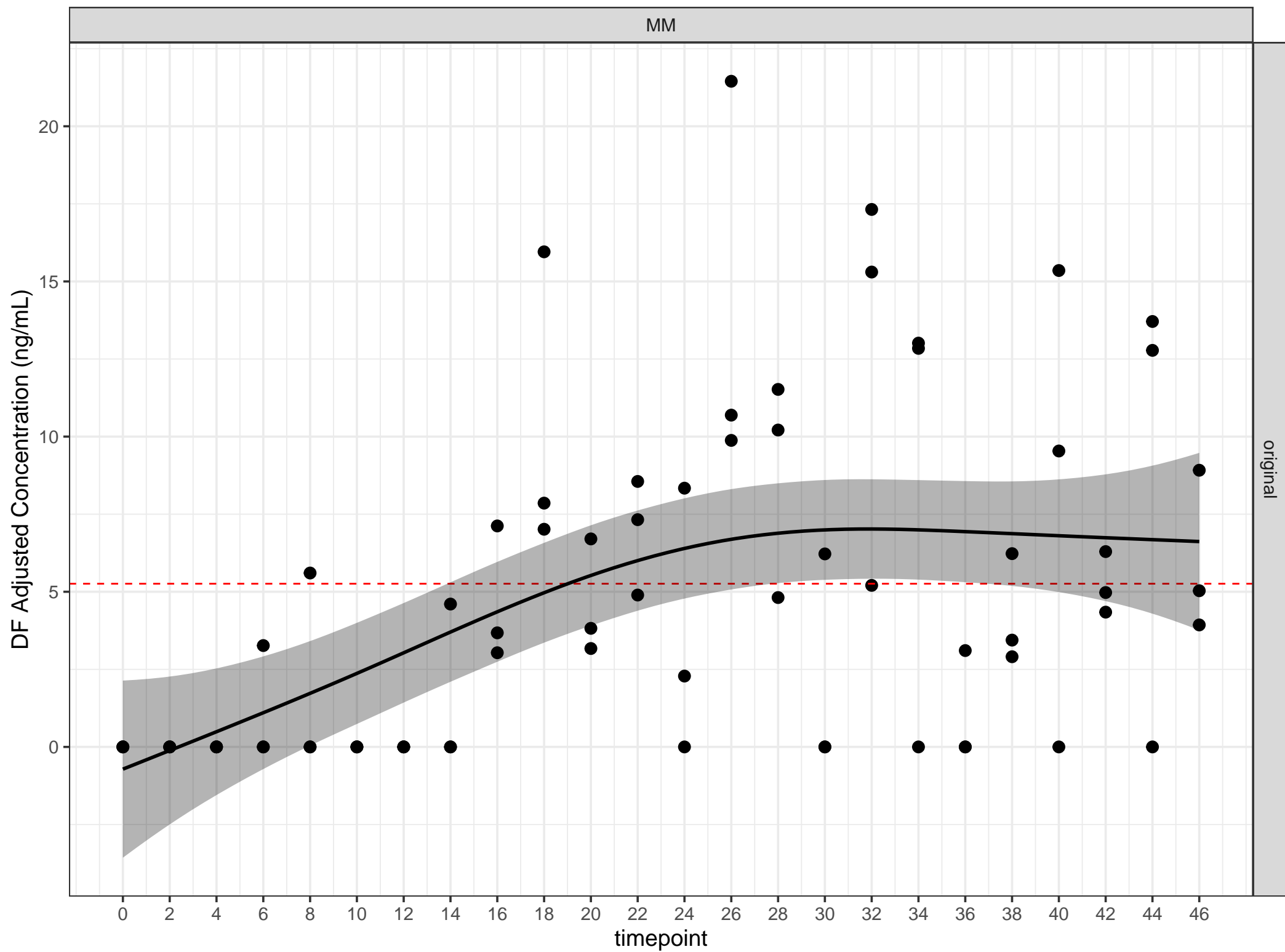
4-hydroxybenzoic acid



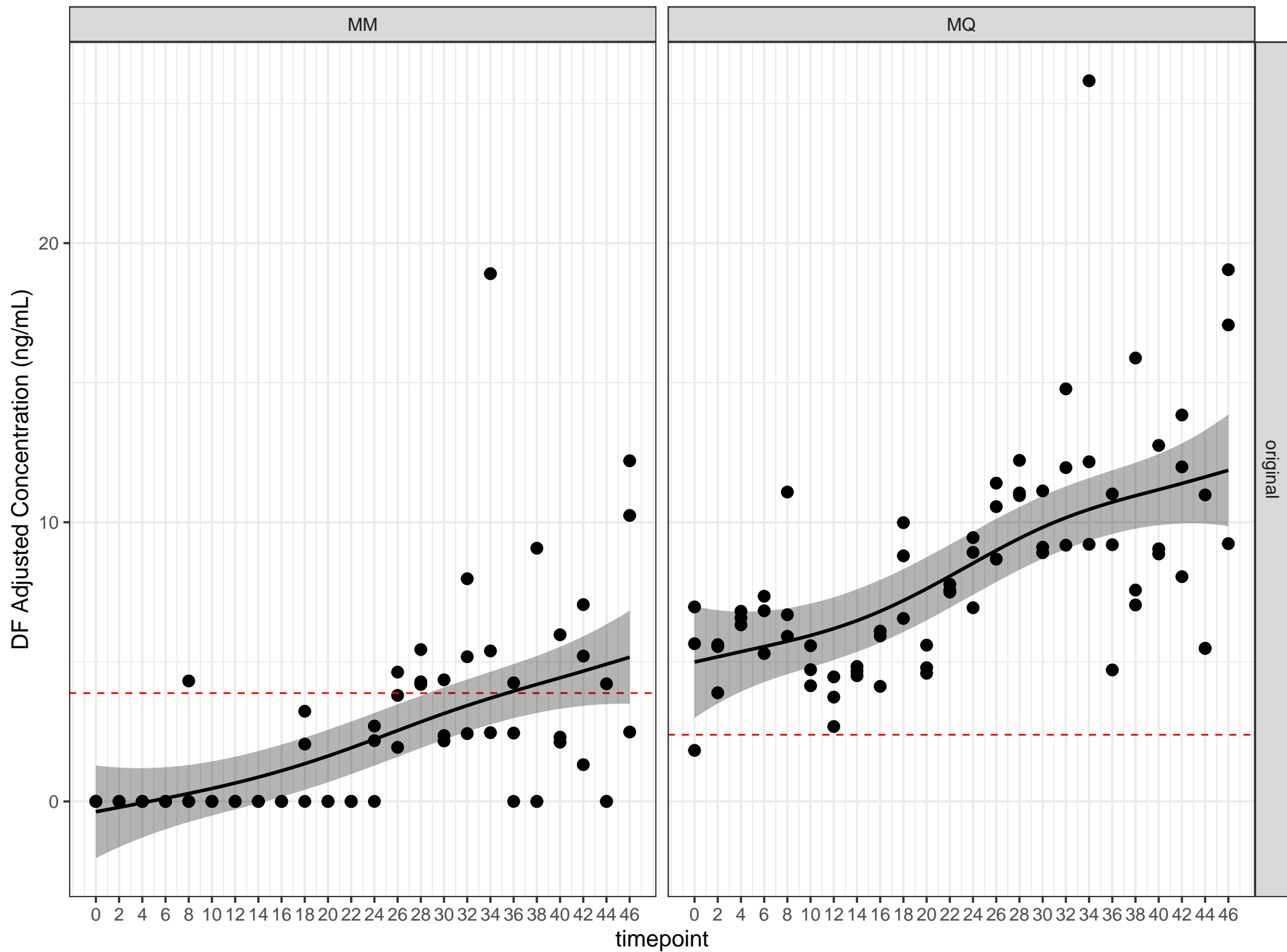
4-methyl-2-oxopentanoic acid



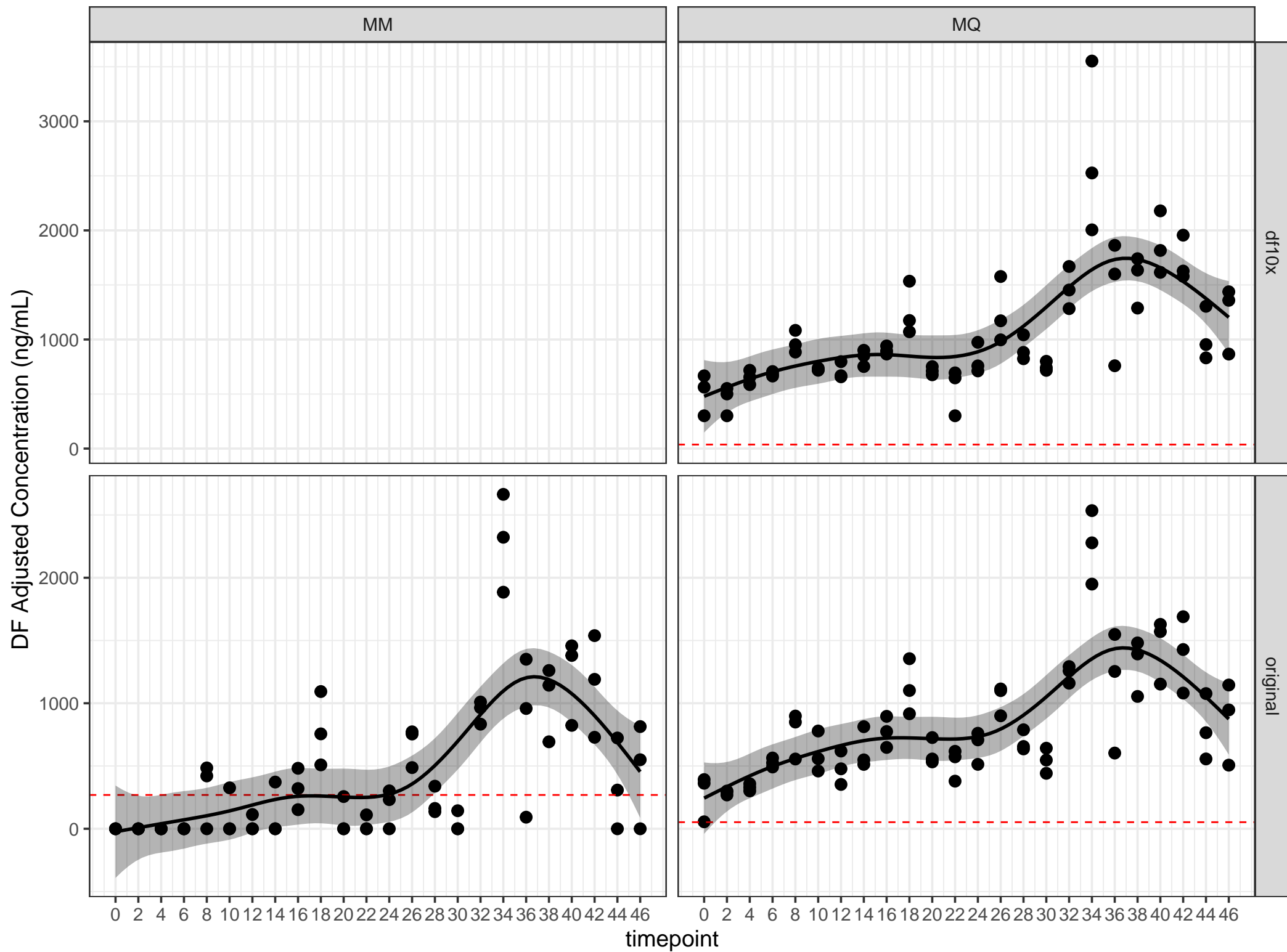




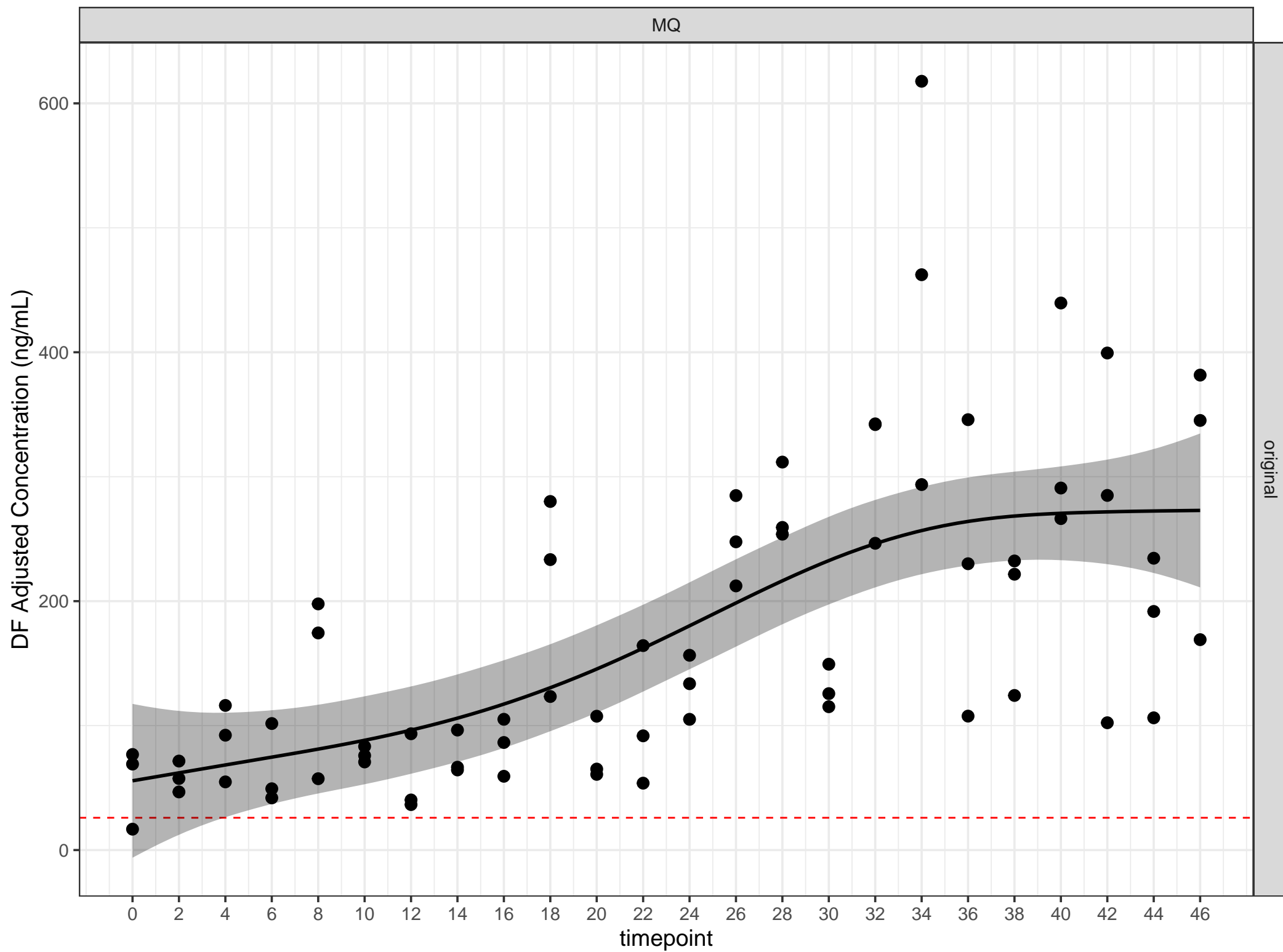
MTA



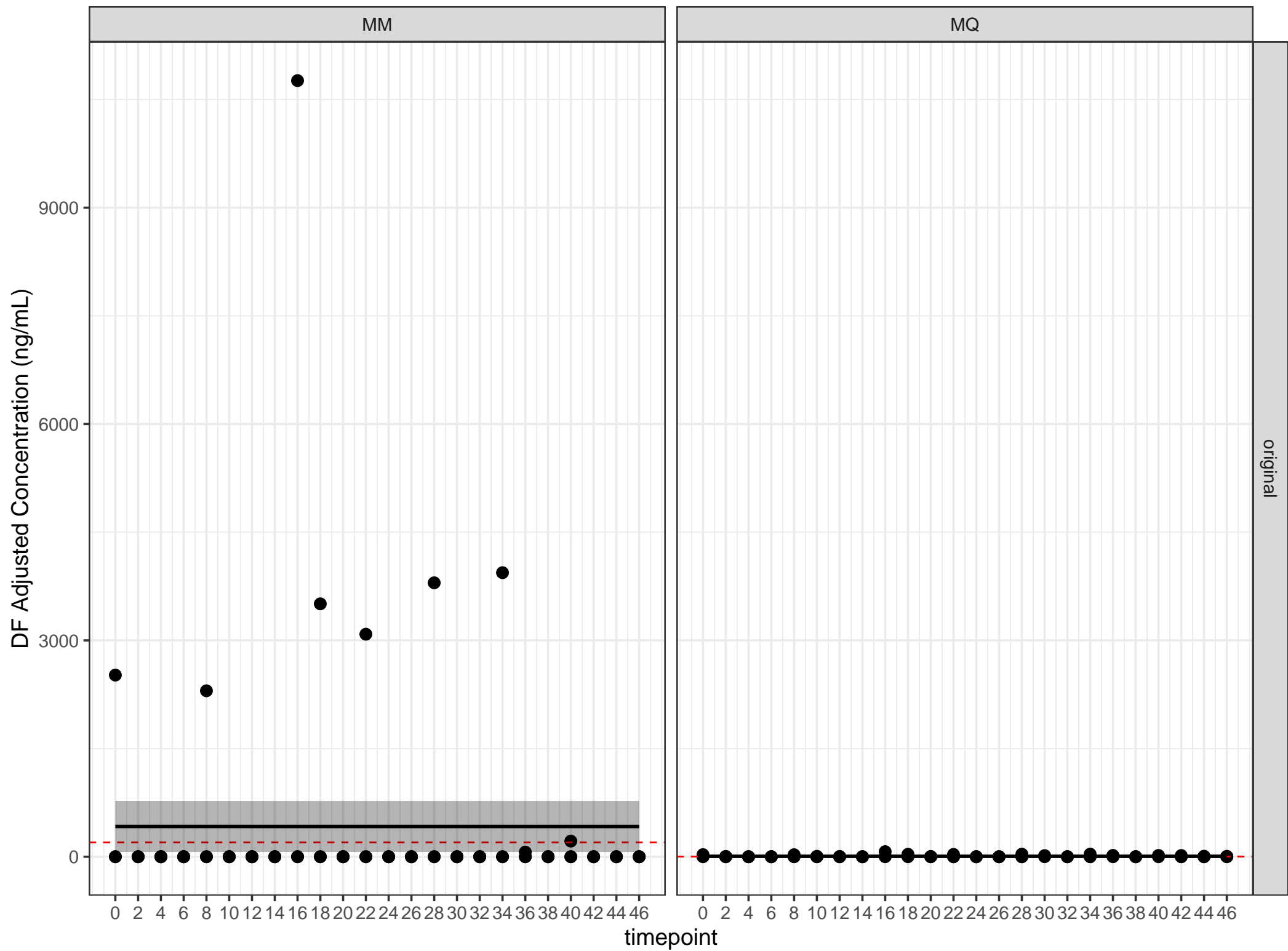
NAD



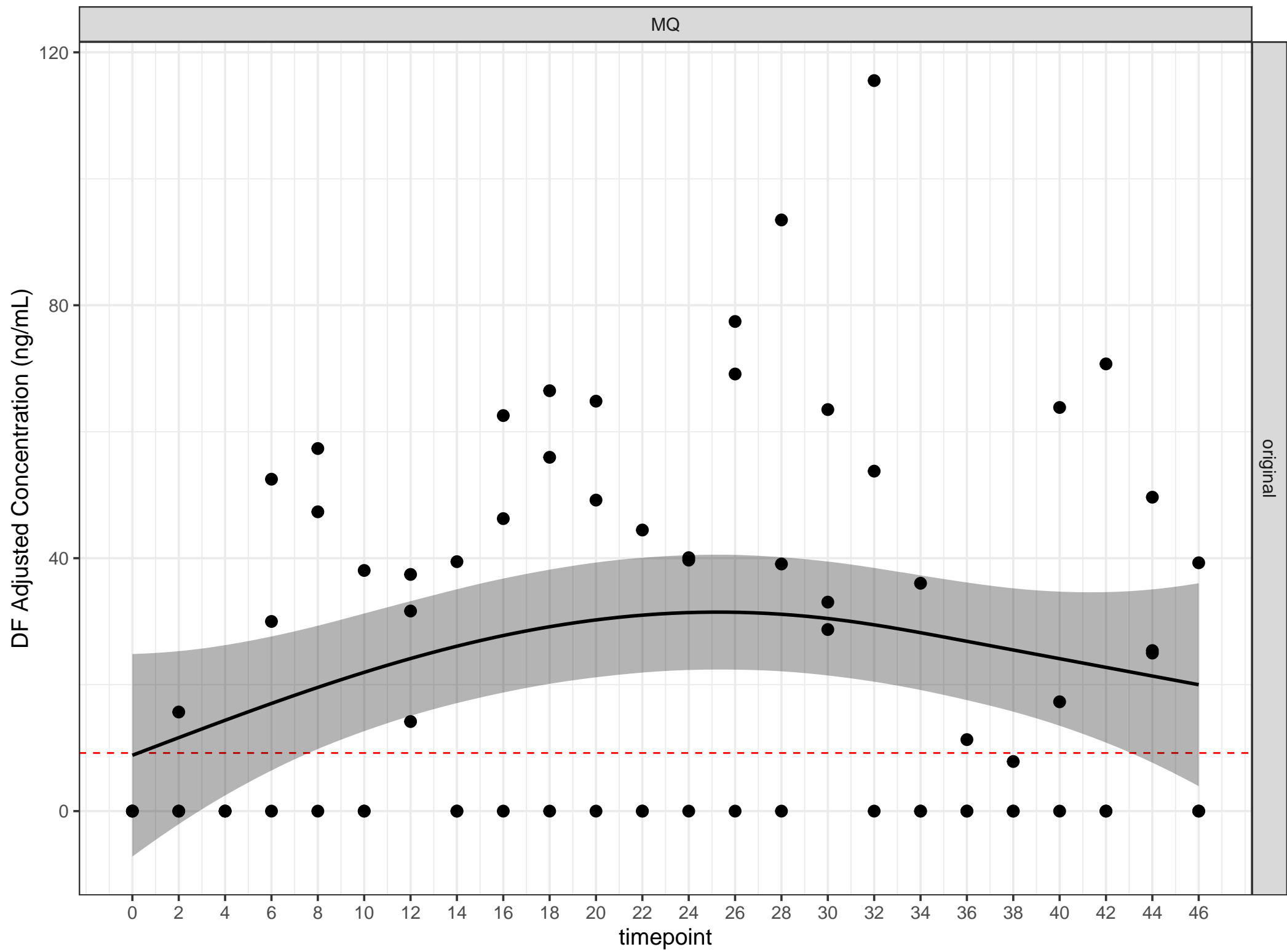
NADP



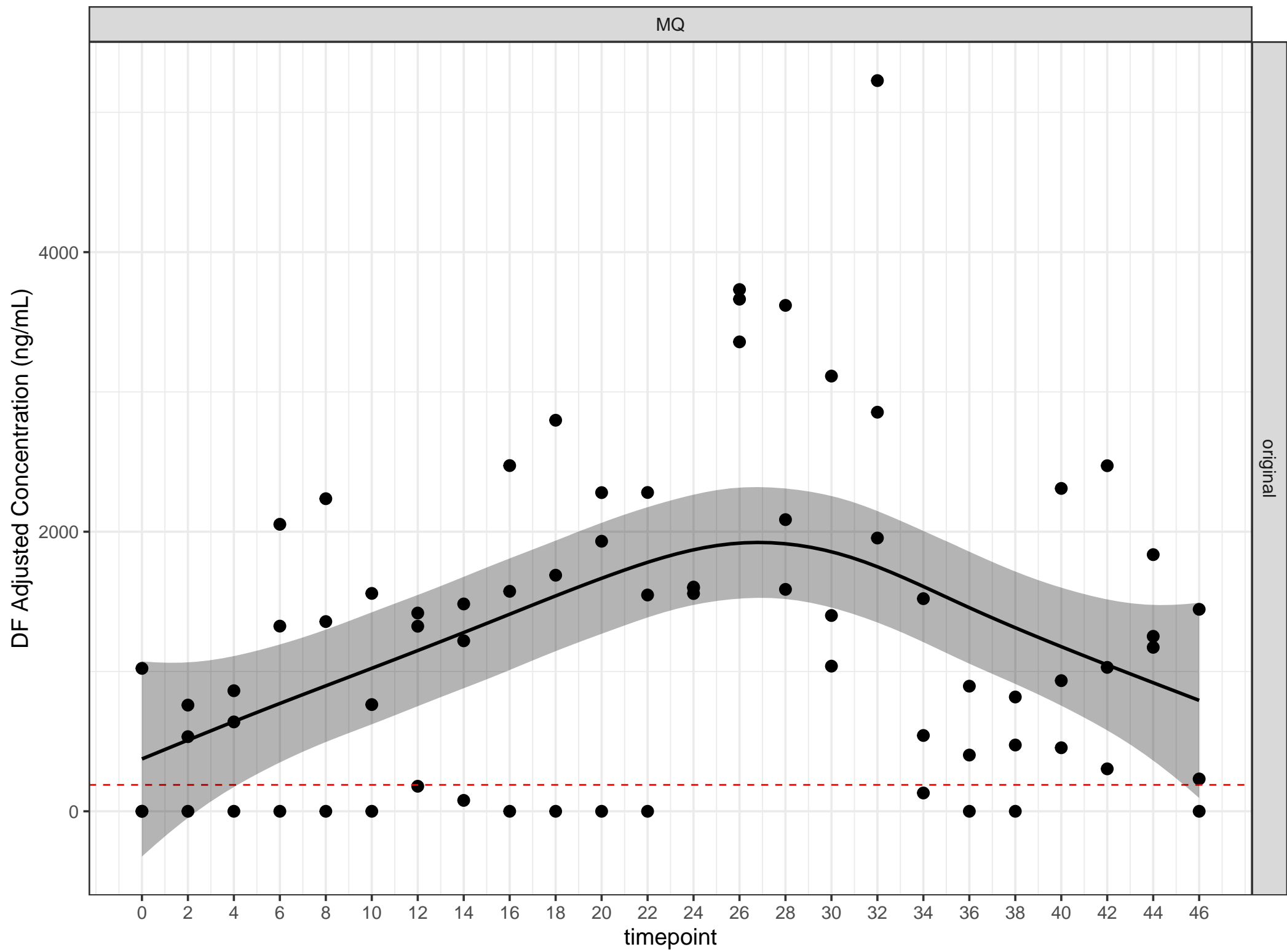
T_90to27



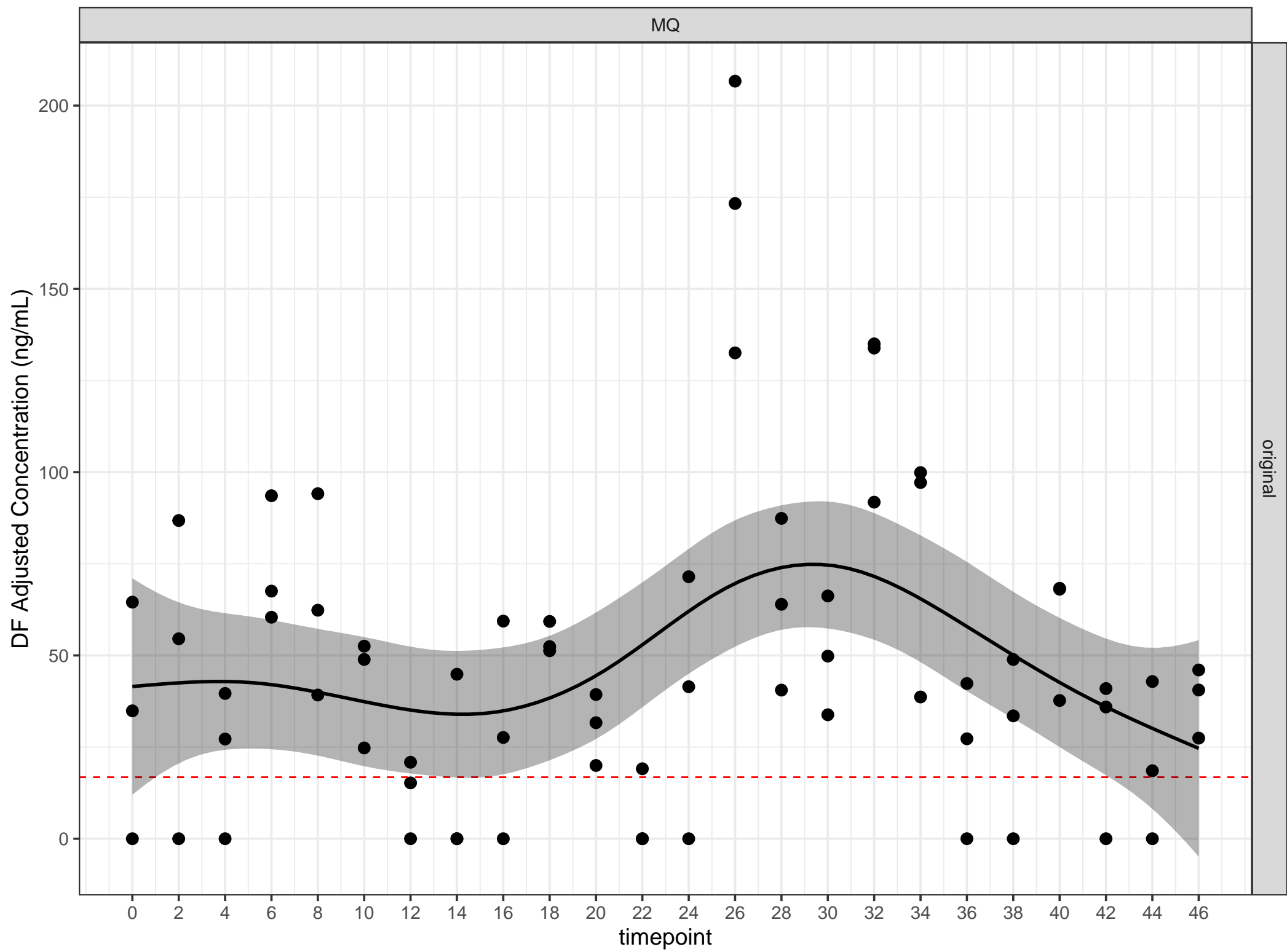
T_90to30



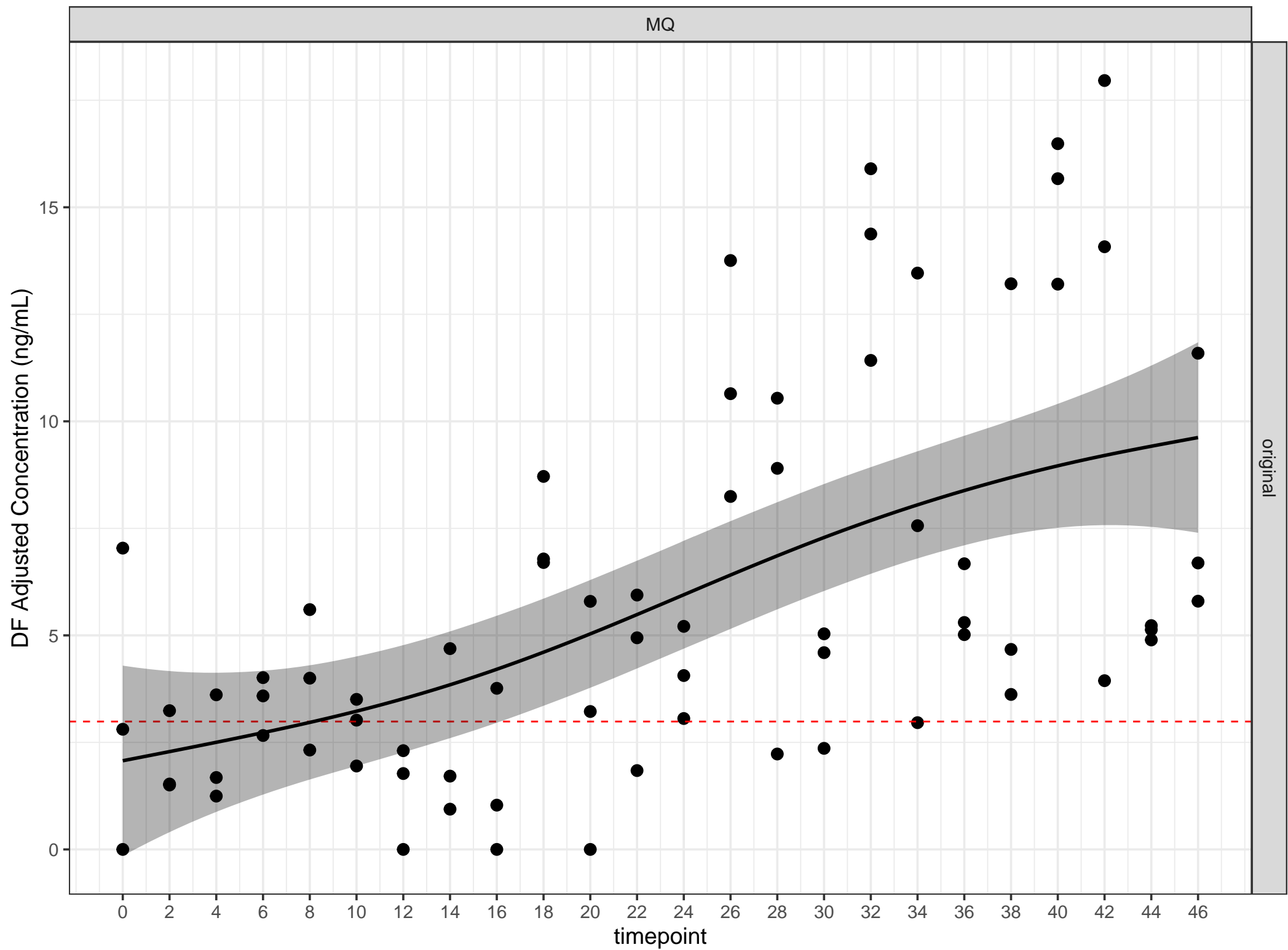
T_90to62



UDP-glucose



adenine pos



adenosine 5'-monophosphate pos

DF Adjusted Concentration (ng/mL)

MM

MQ

df10x

df500x

original

1500

1000

500

0

1000

500

0

4000

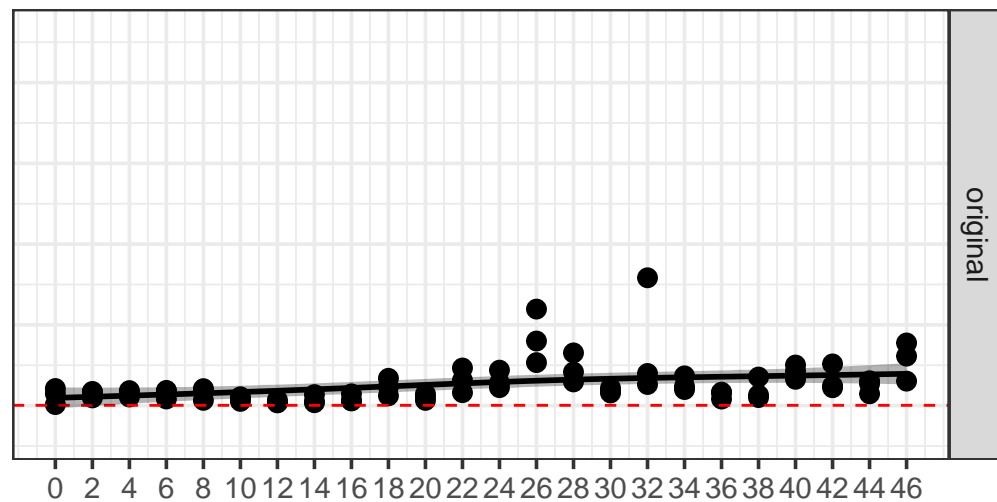
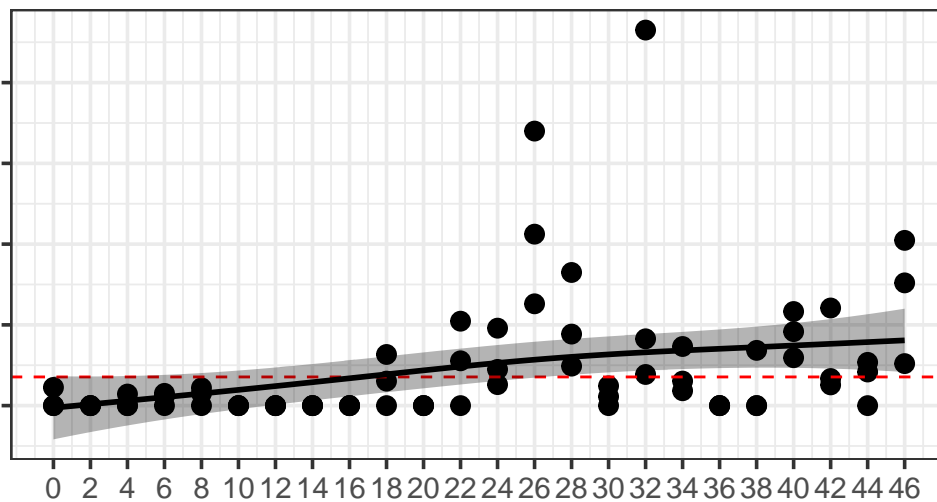
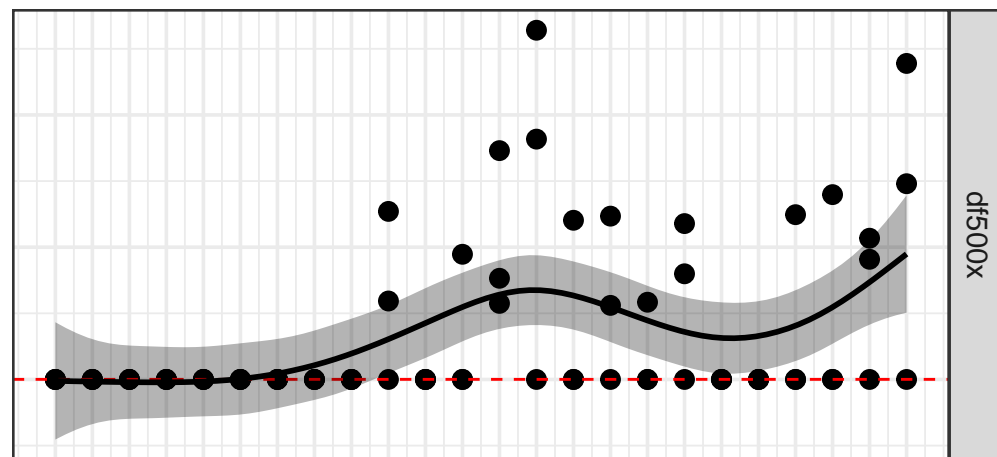
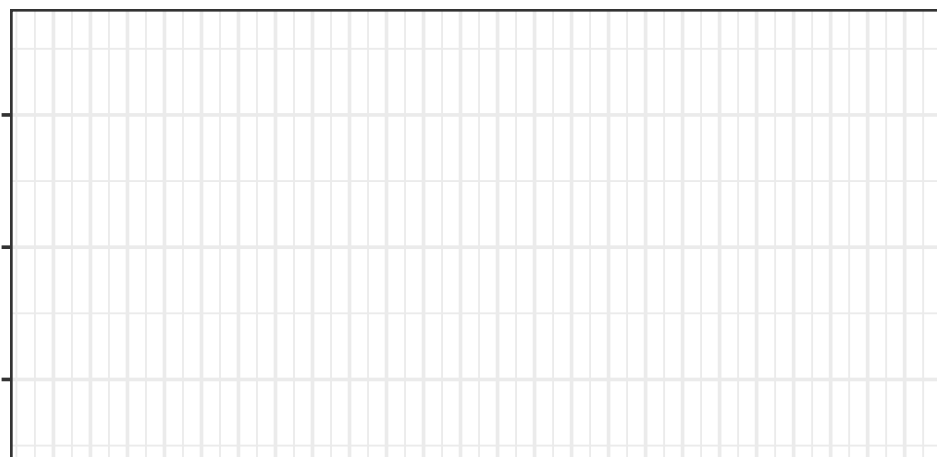
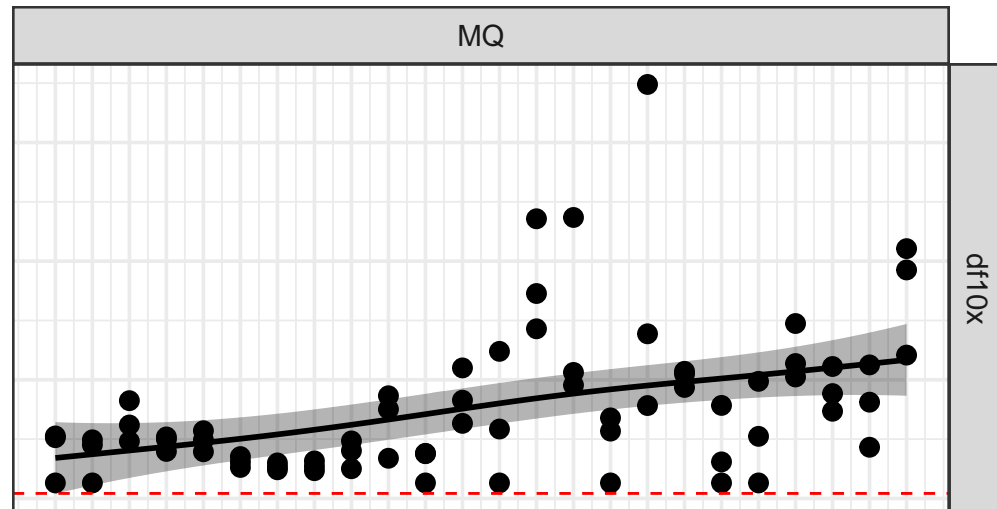
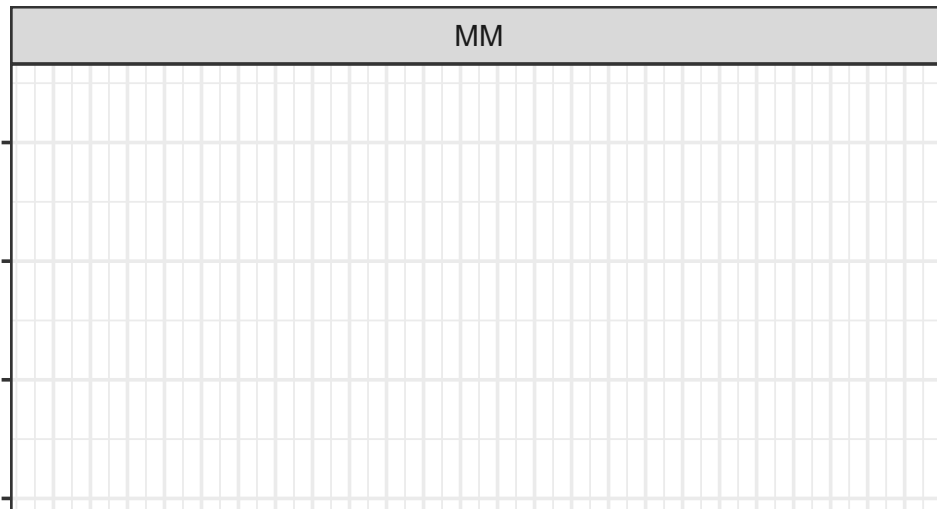
3000

2000

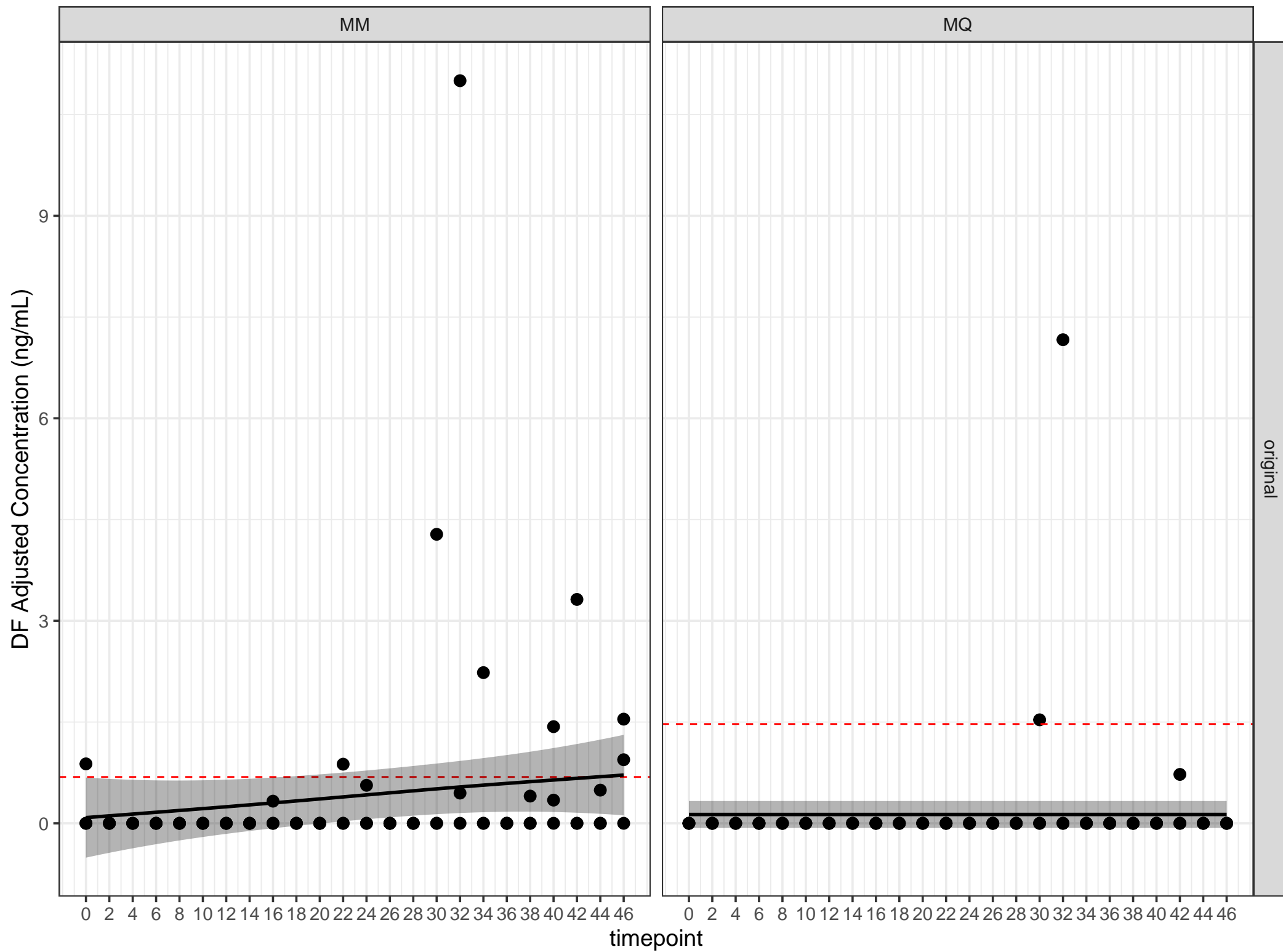
1000

0

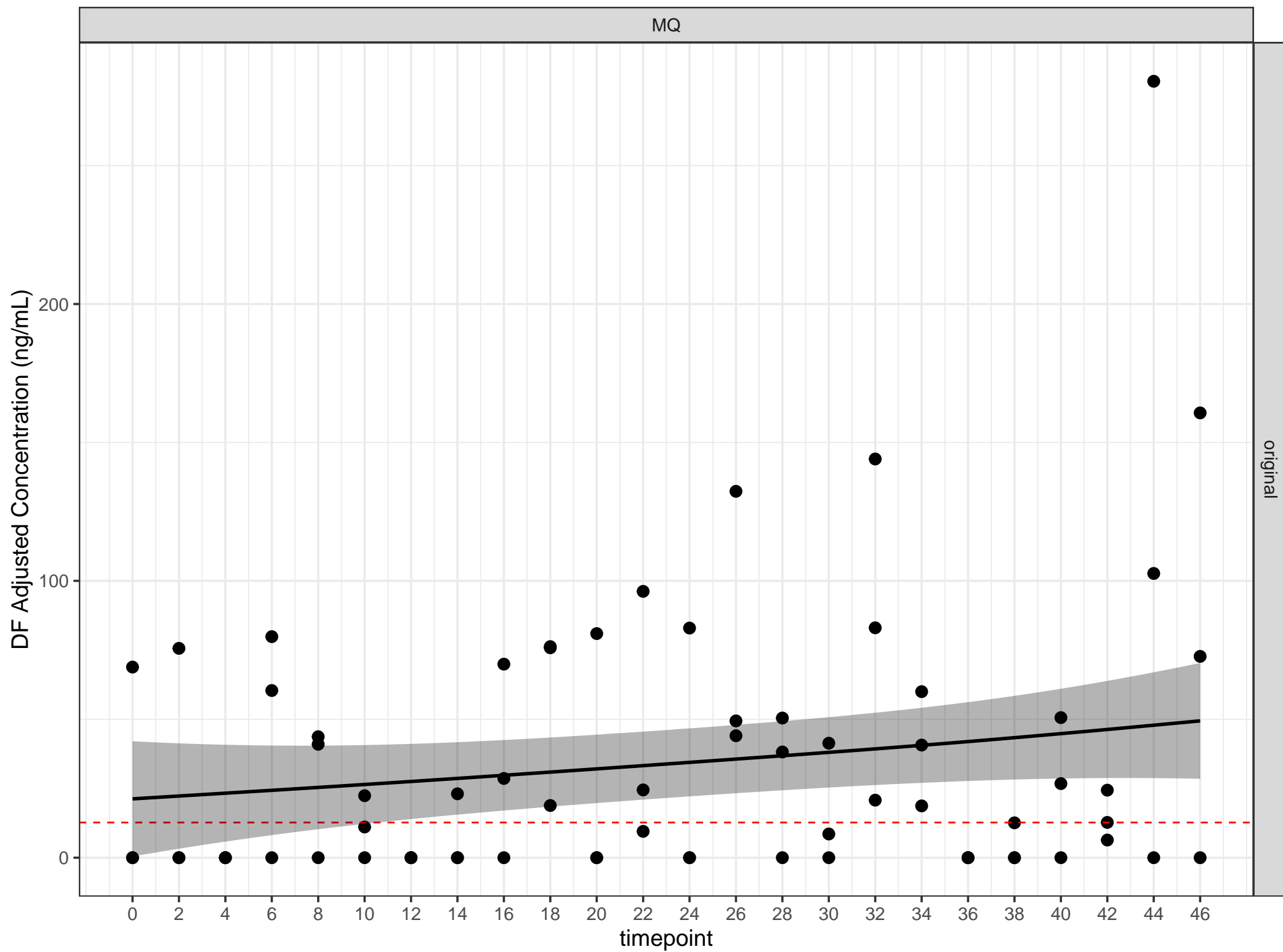
timepoint



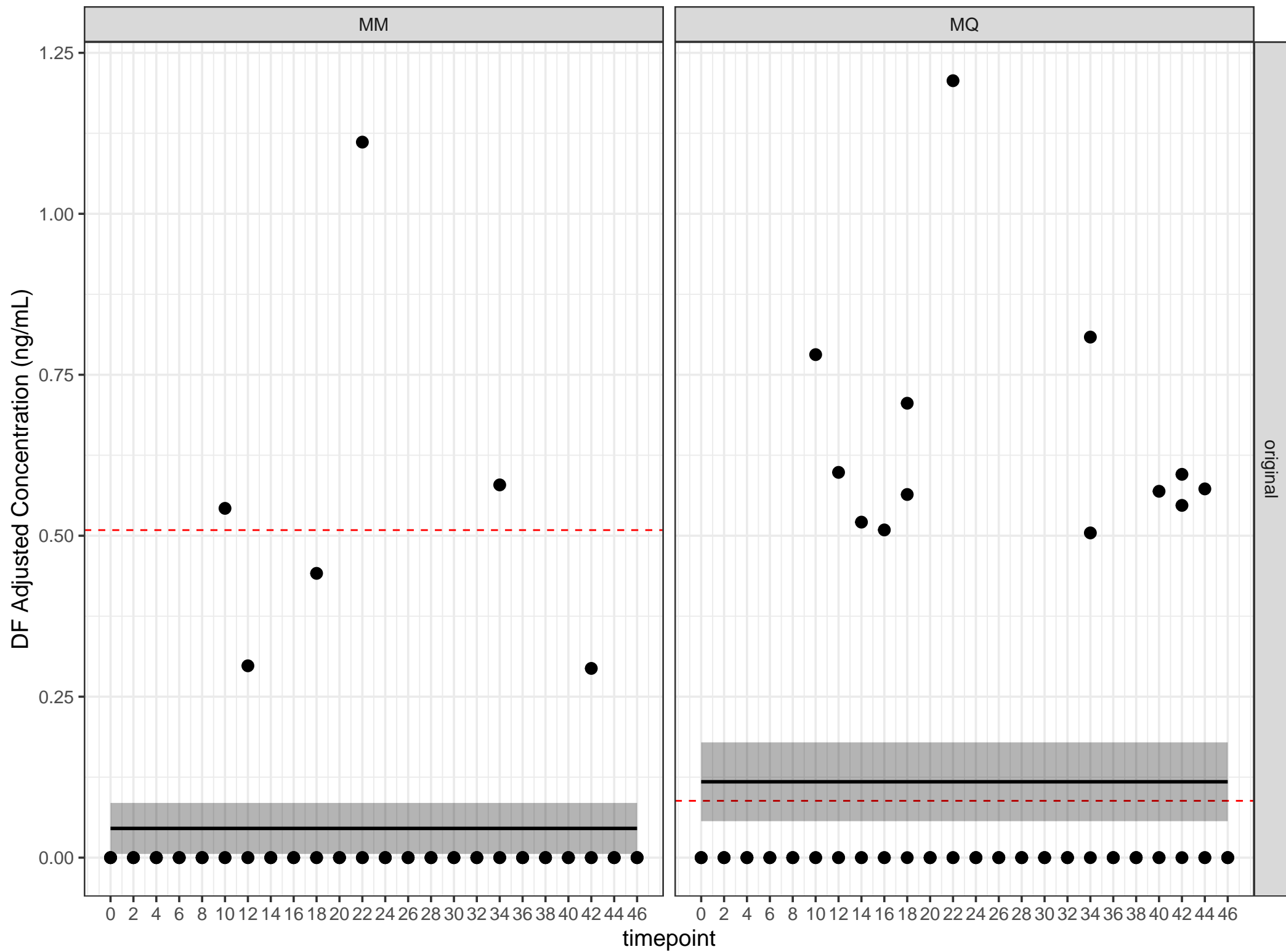
adenosine pos



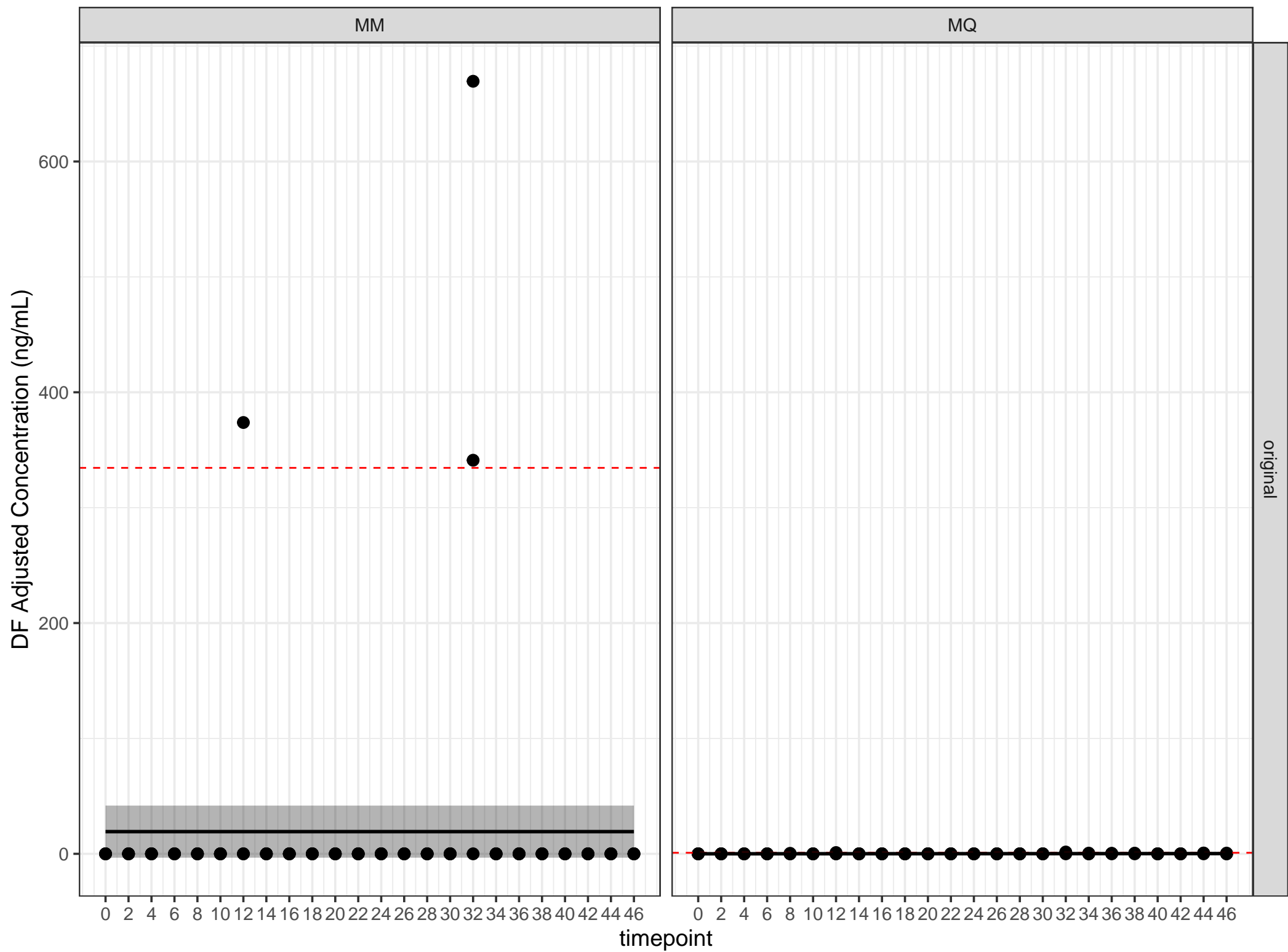
alpha-ketoglutaric acid



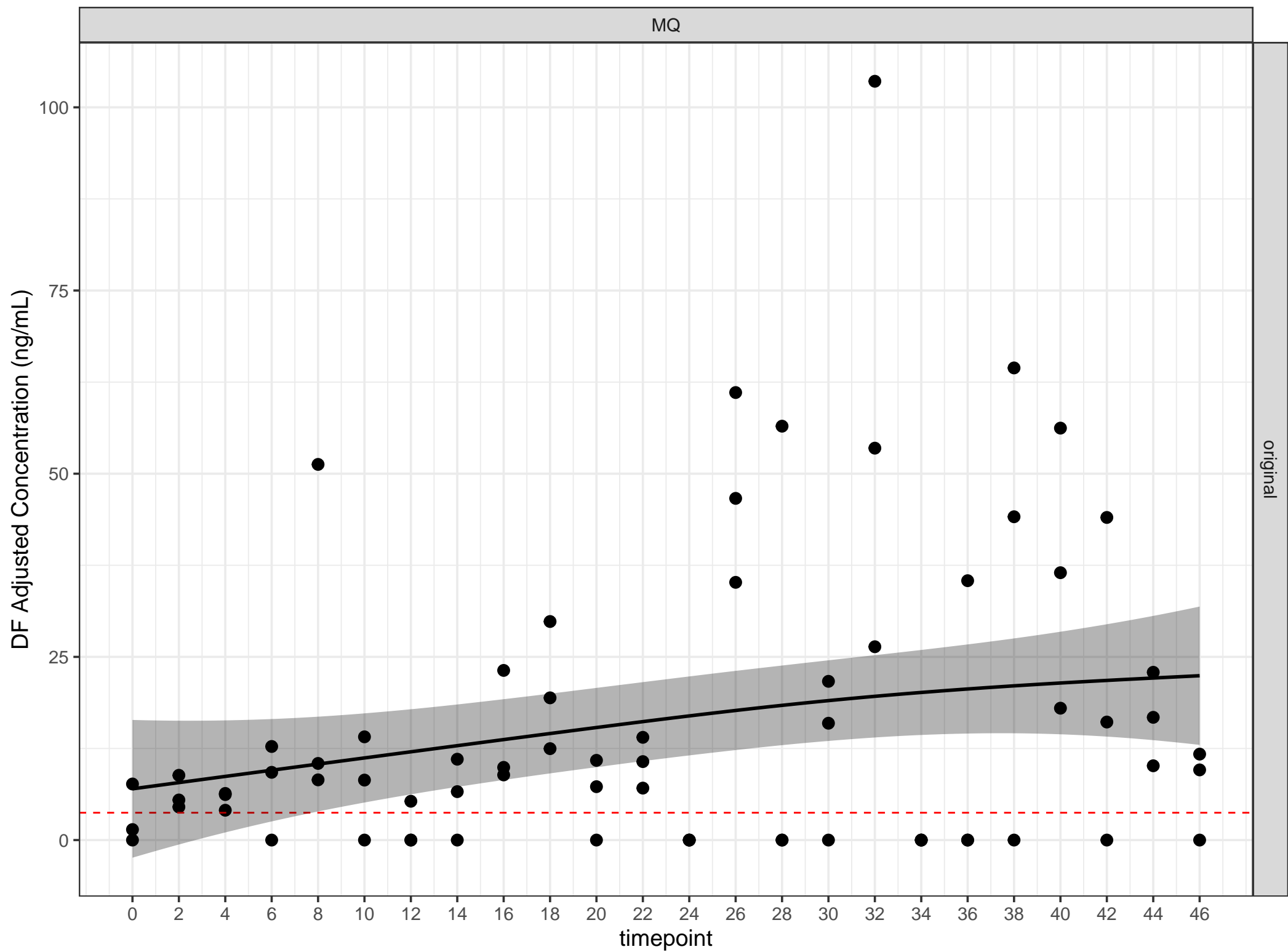
anthranilate



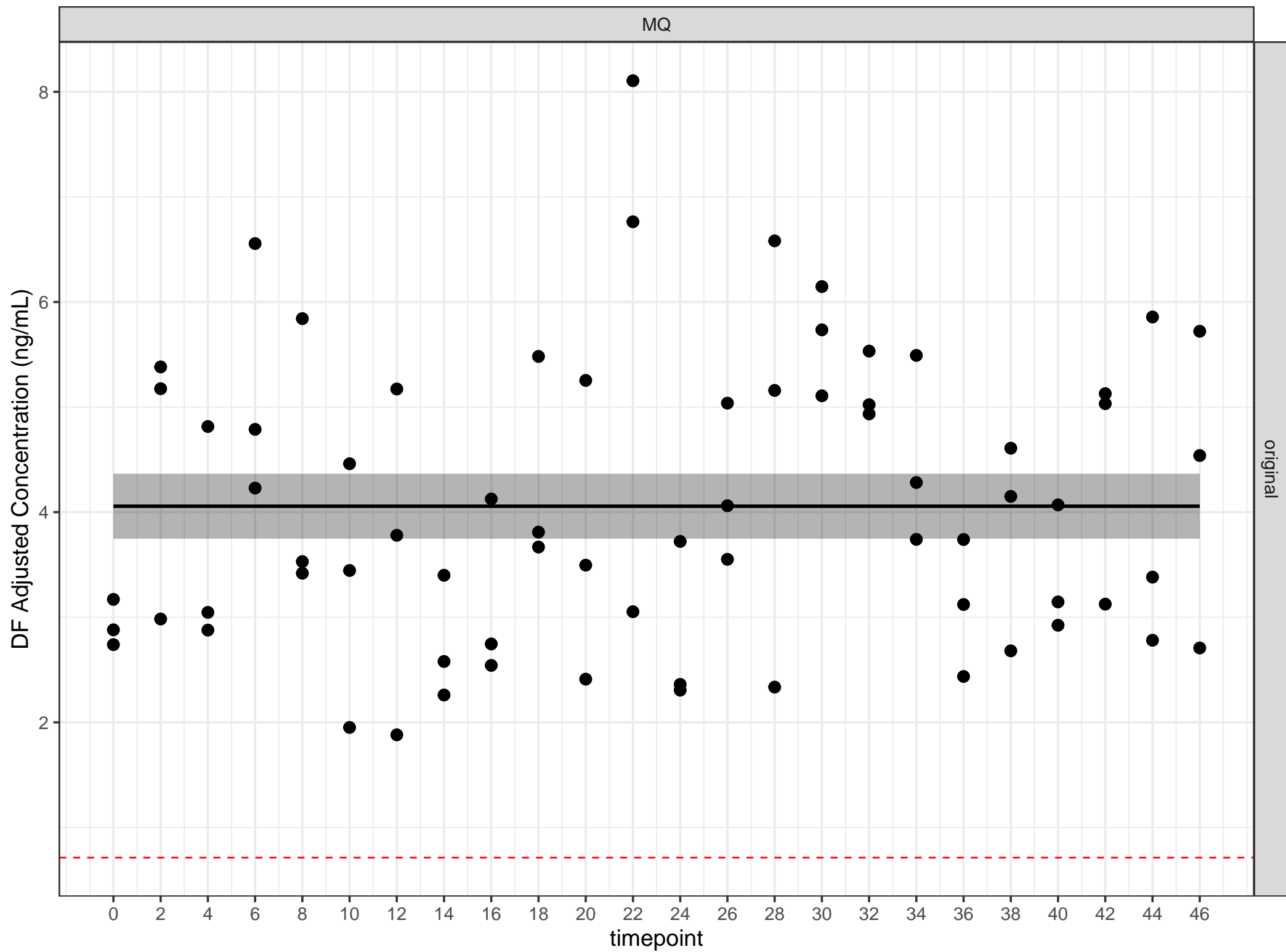
arginosuccinic acid pos



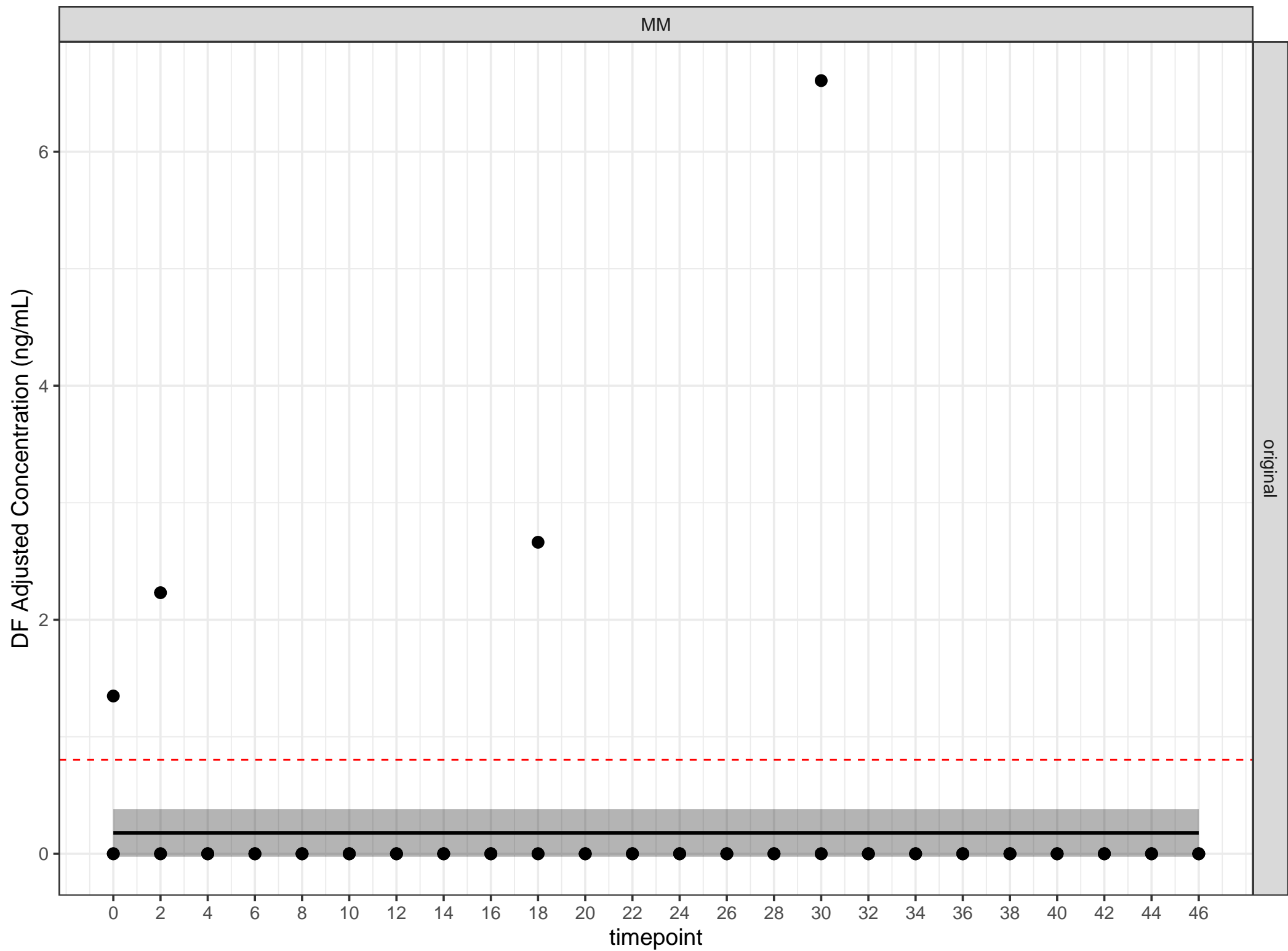
aspartic acid neg



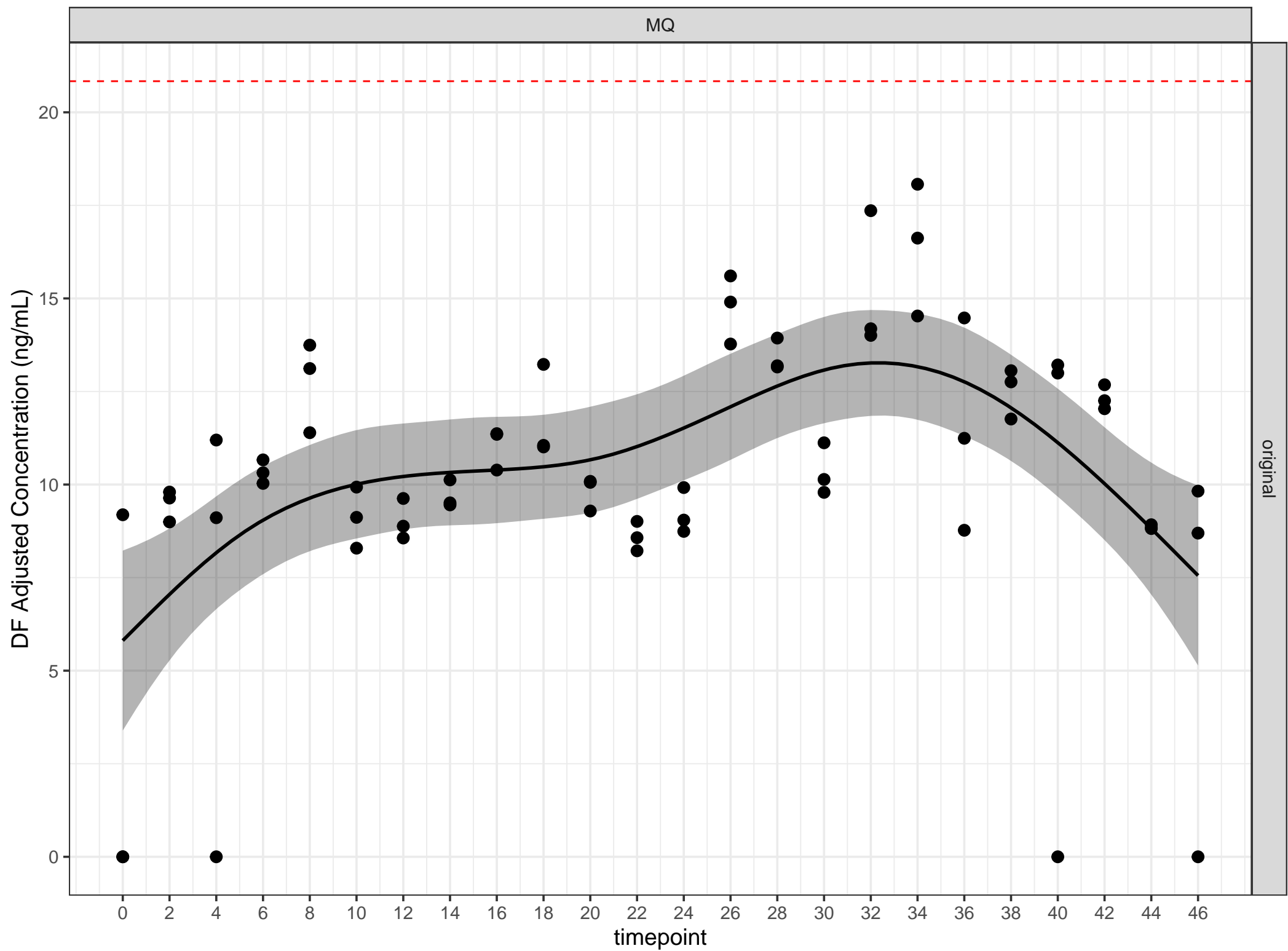
caffeine



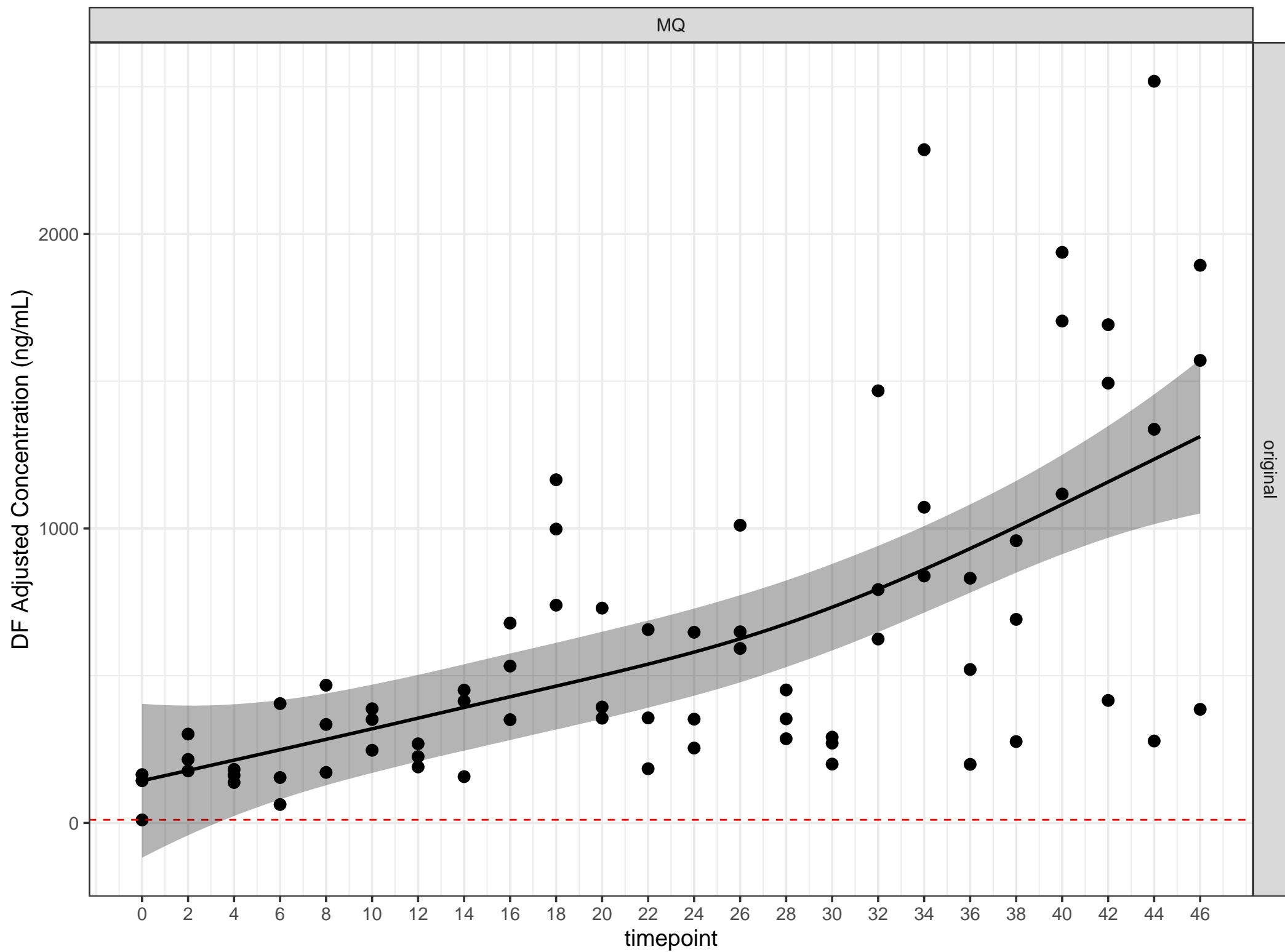
choline



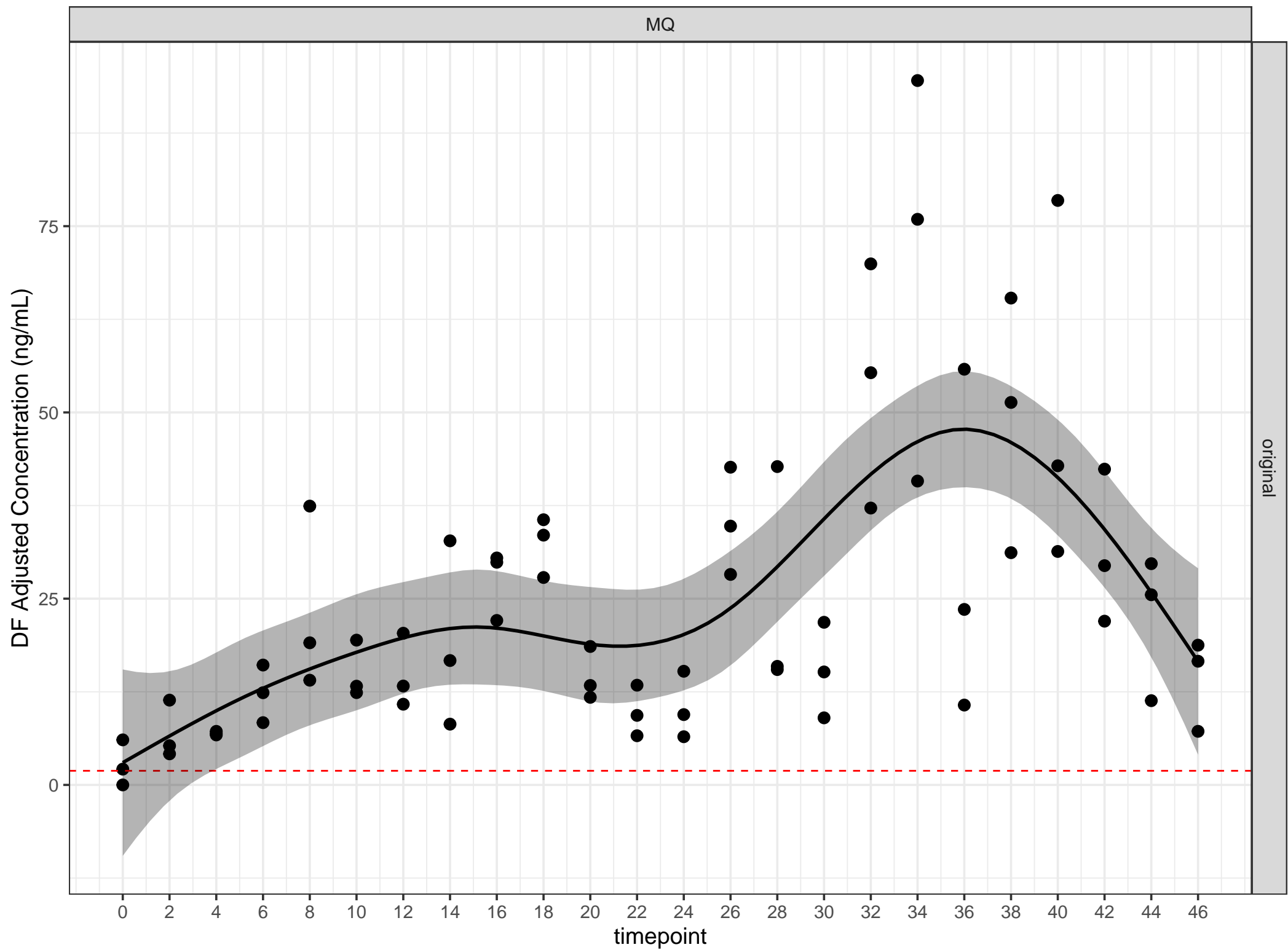
chorismate



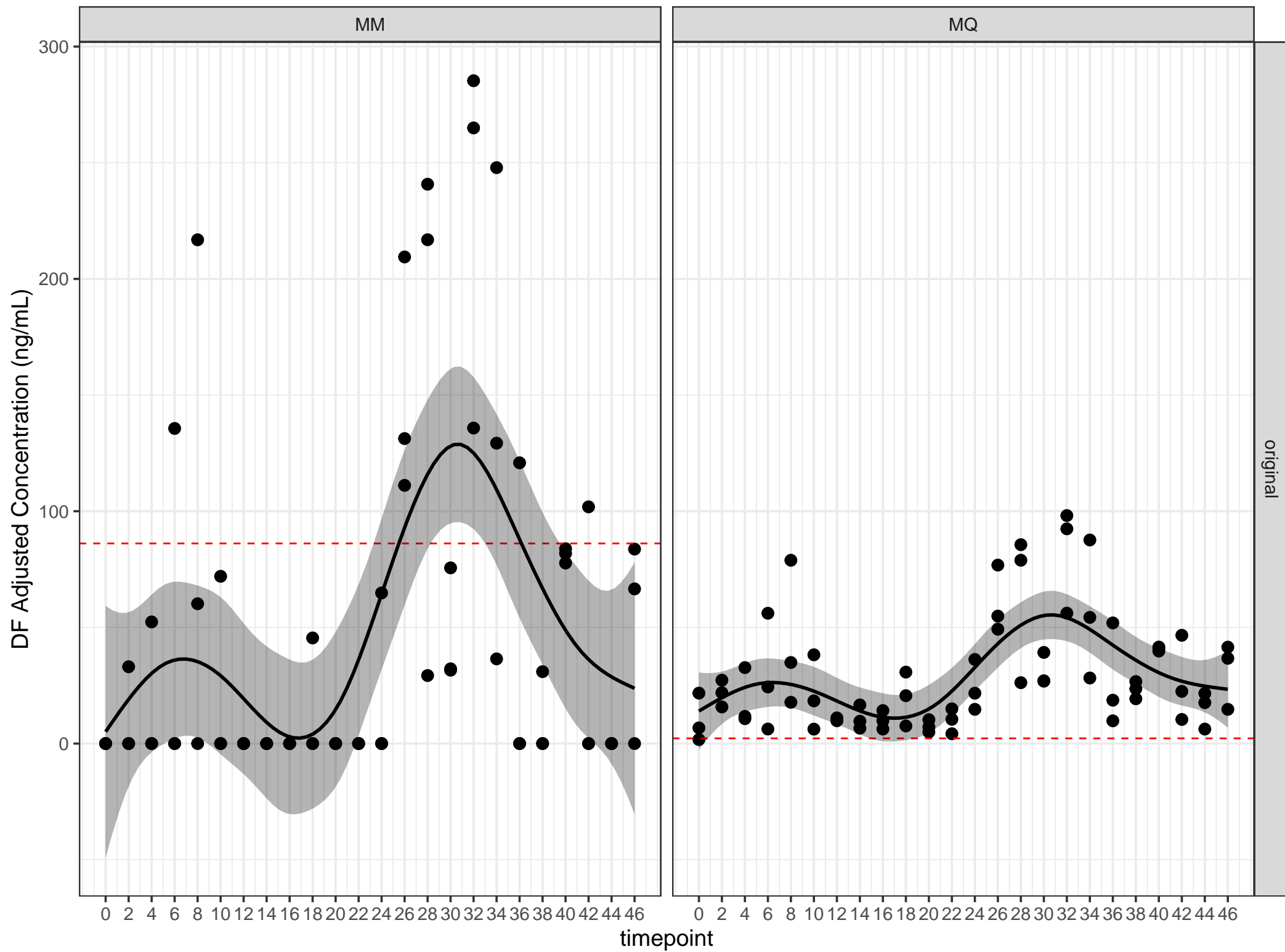
citric acid



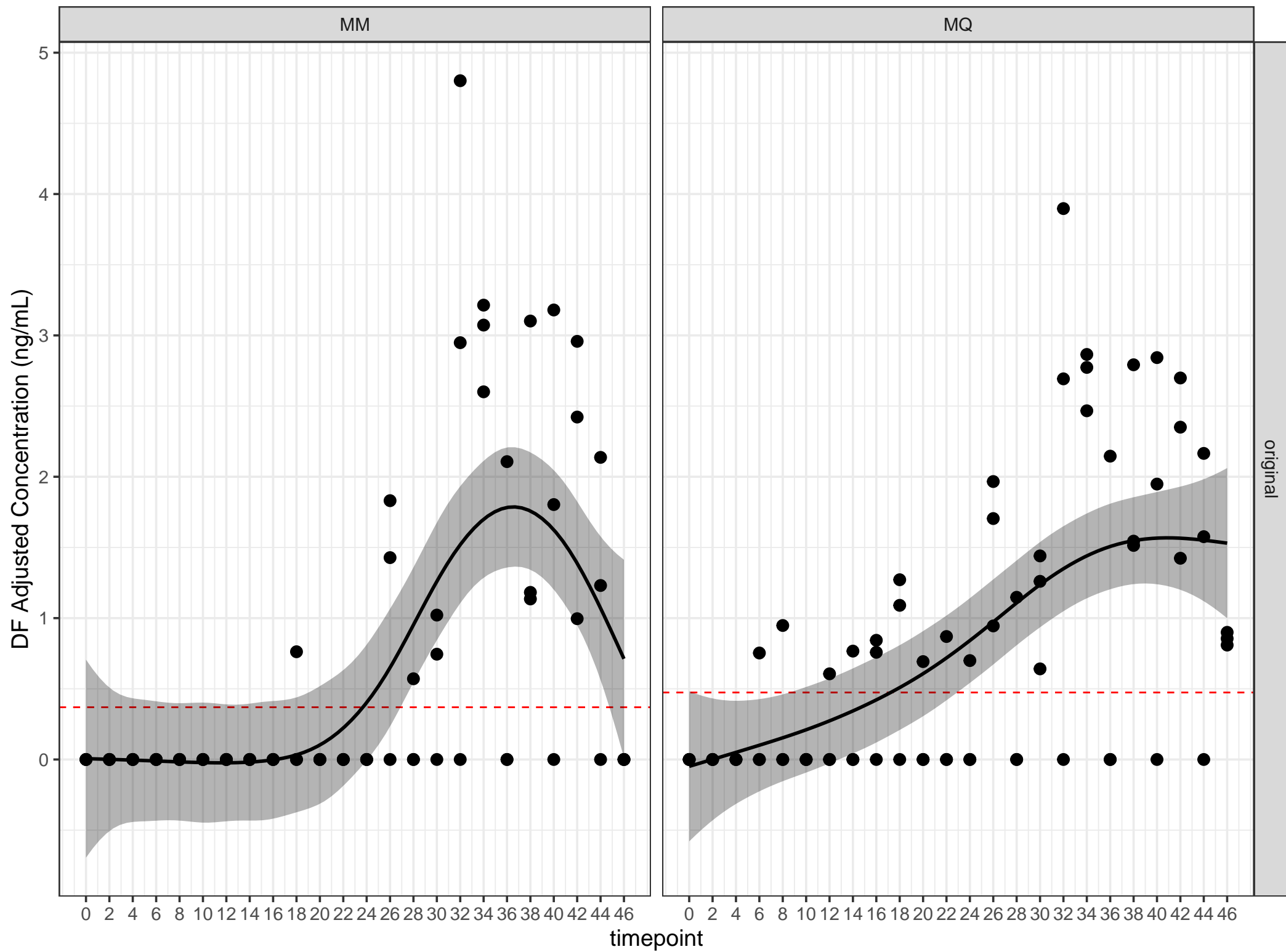
citrulline



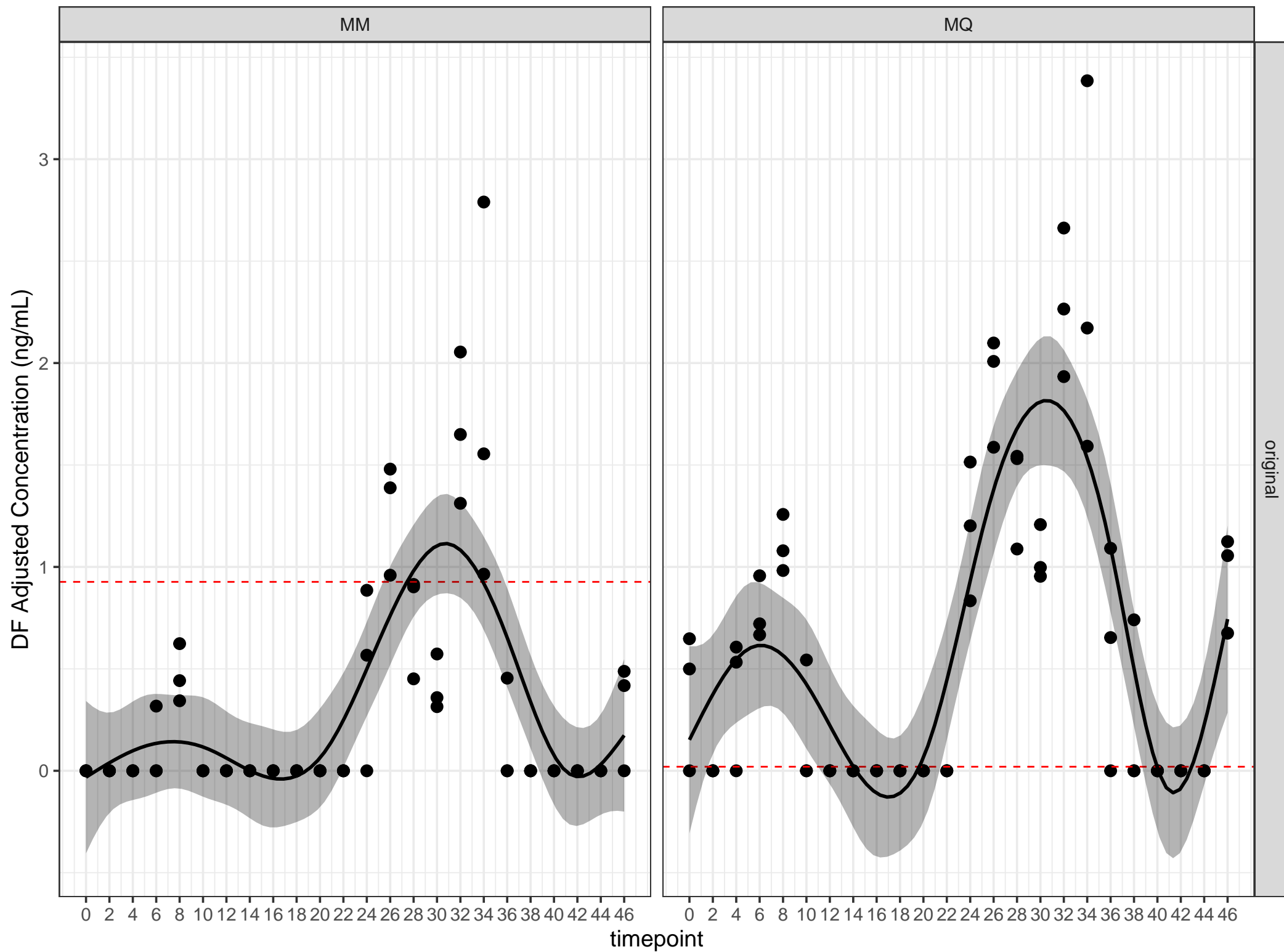
cytidine pos



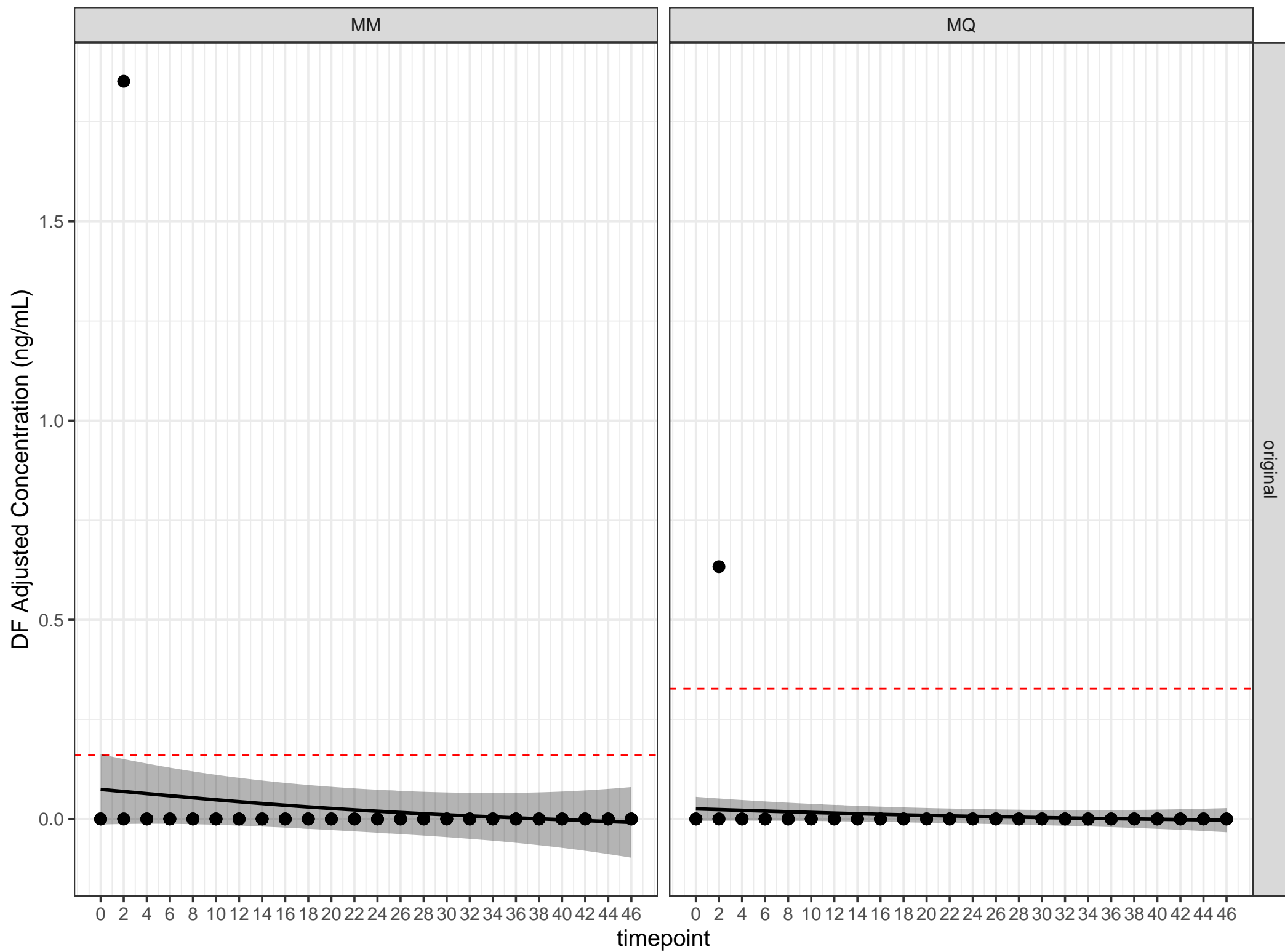
cytosine



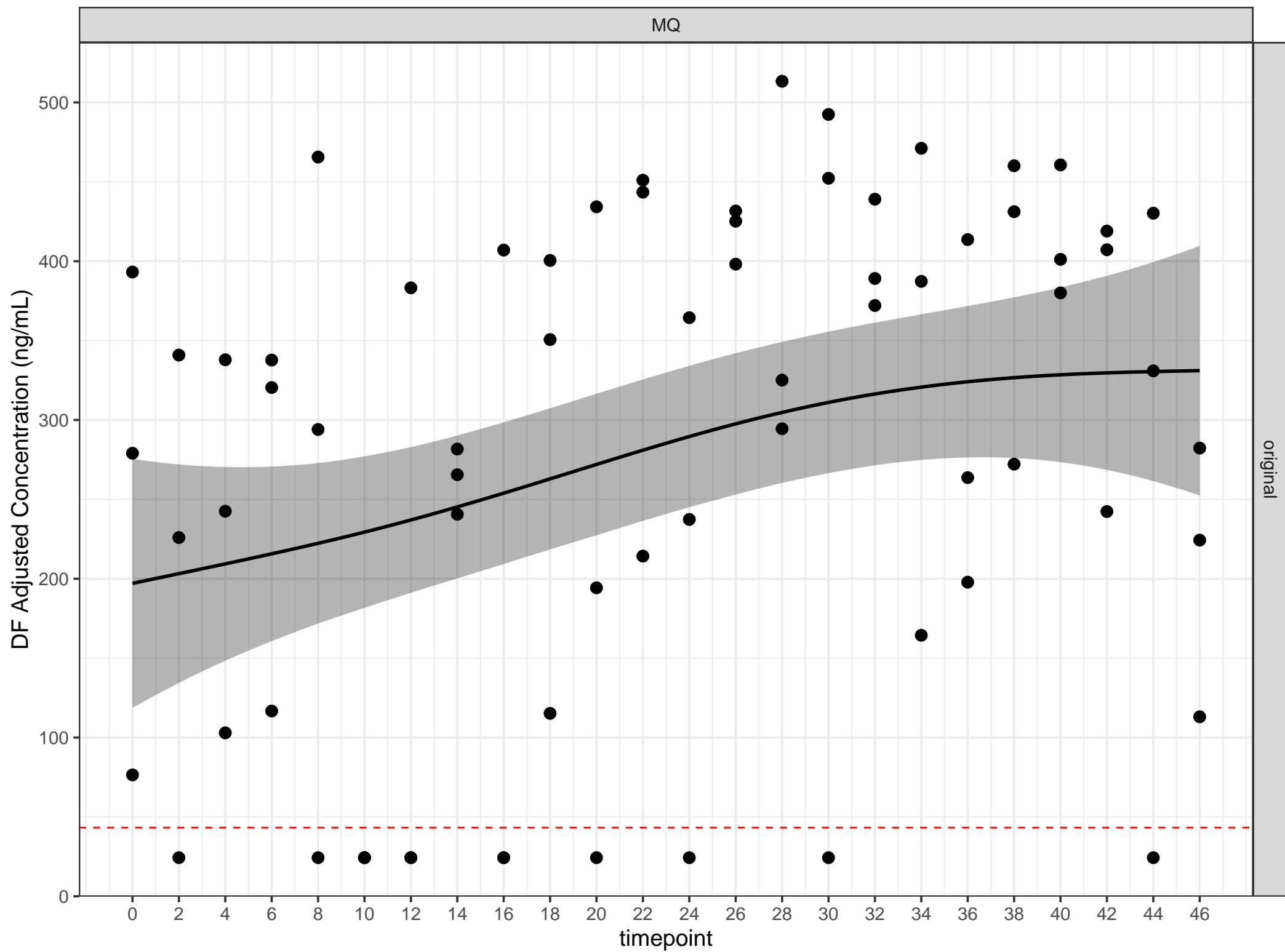
desthiobiotin



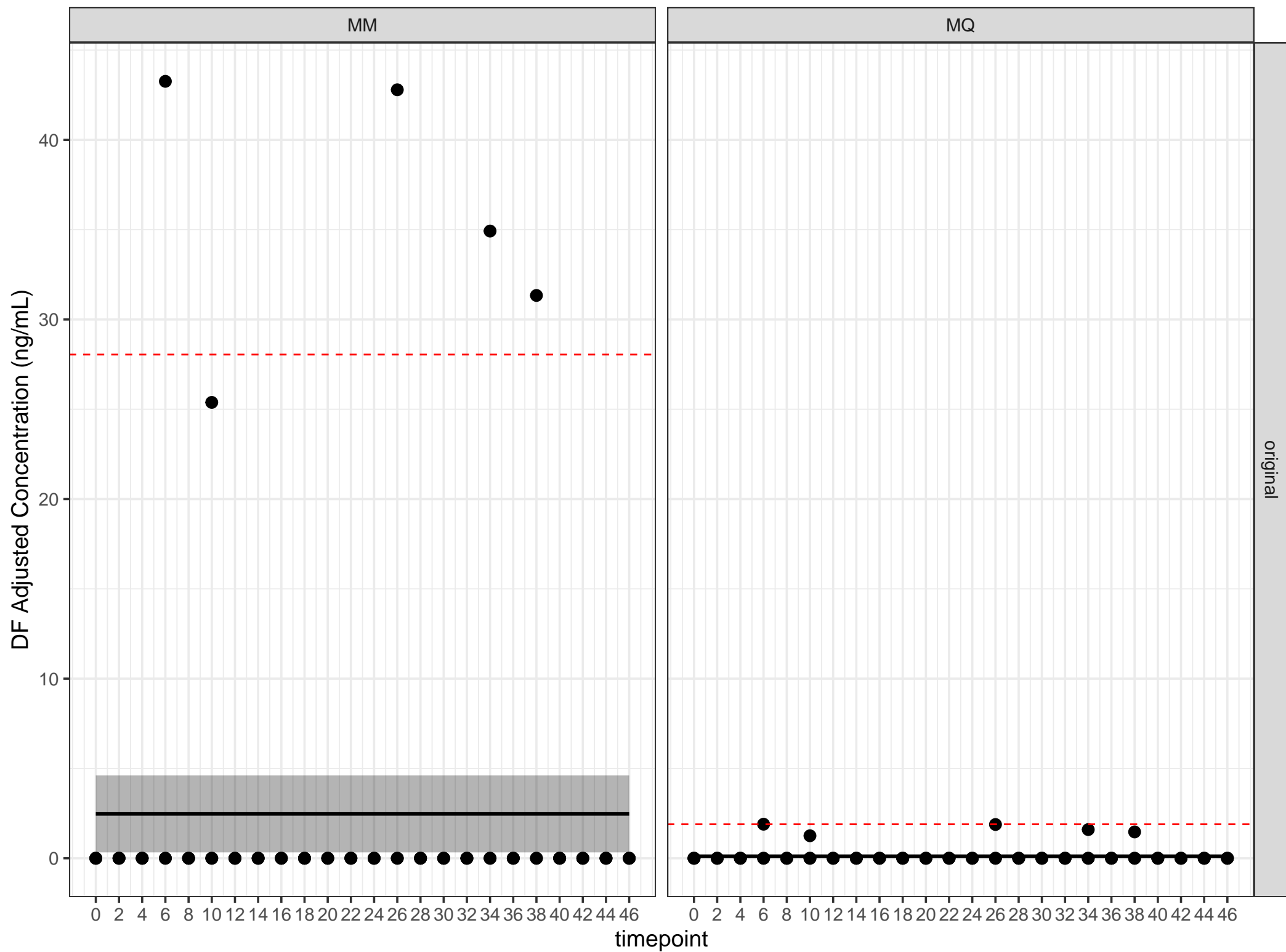
ectoine



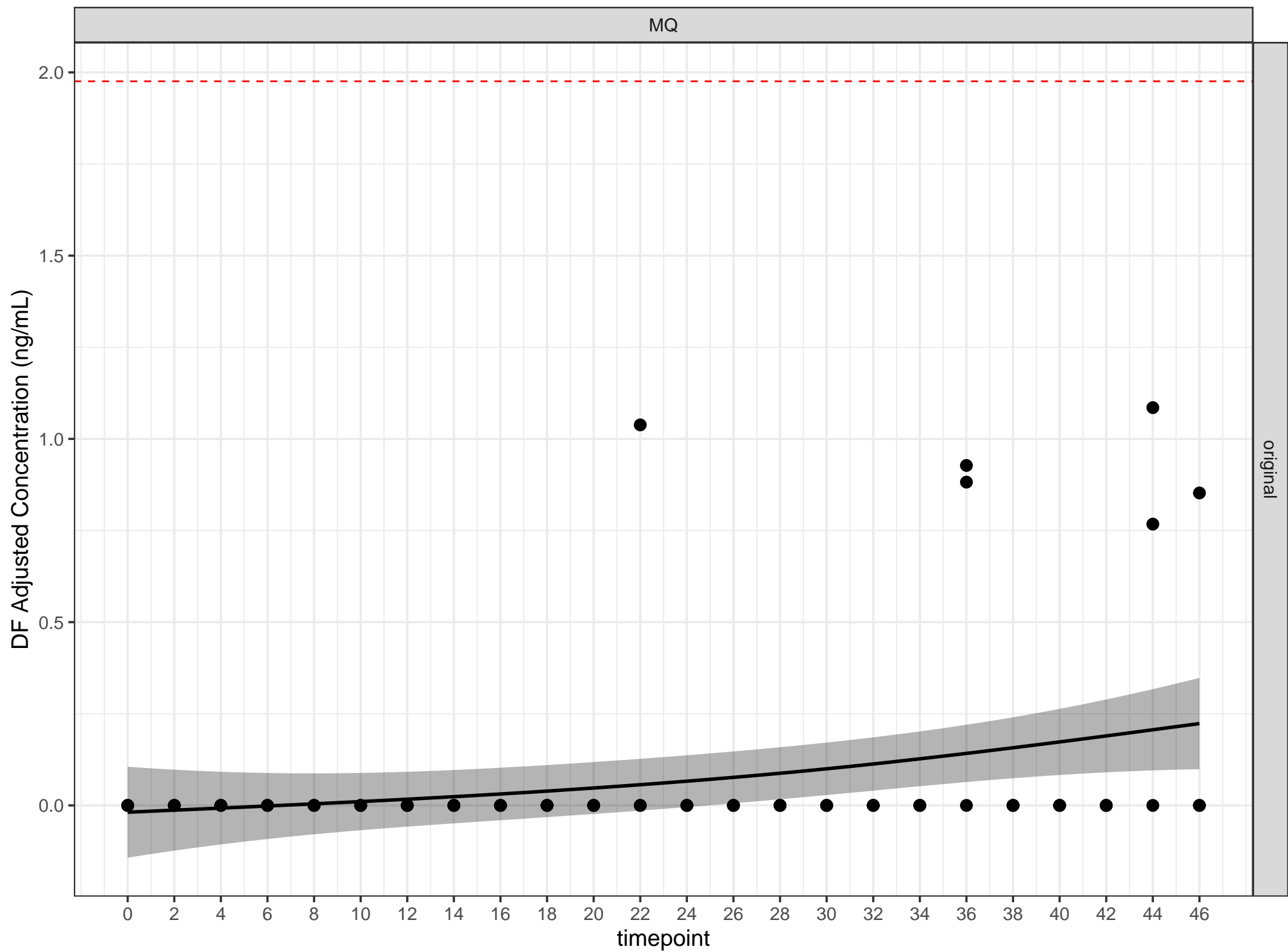
fructose 1_6-bisphosphate



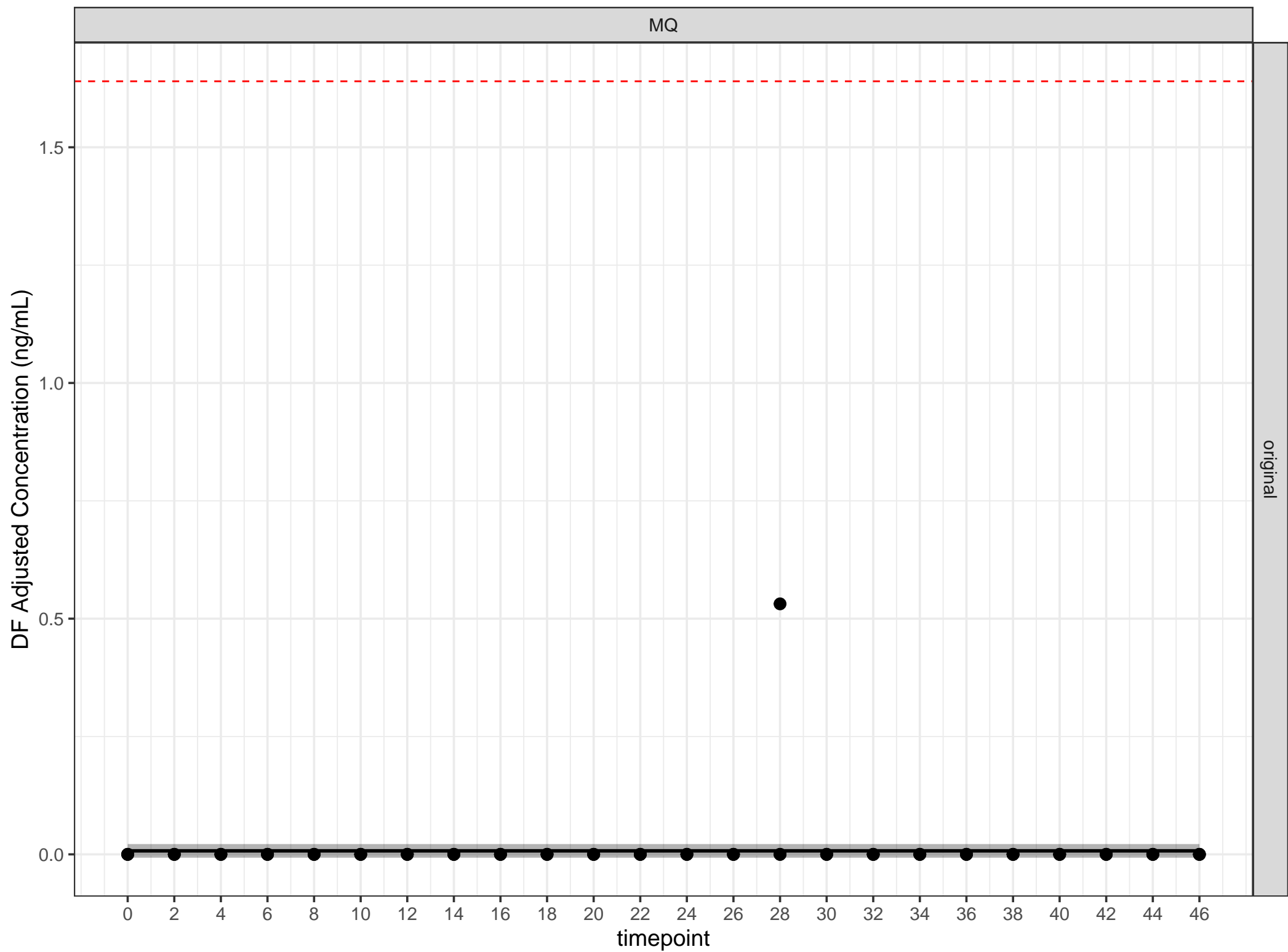
fumaric acid



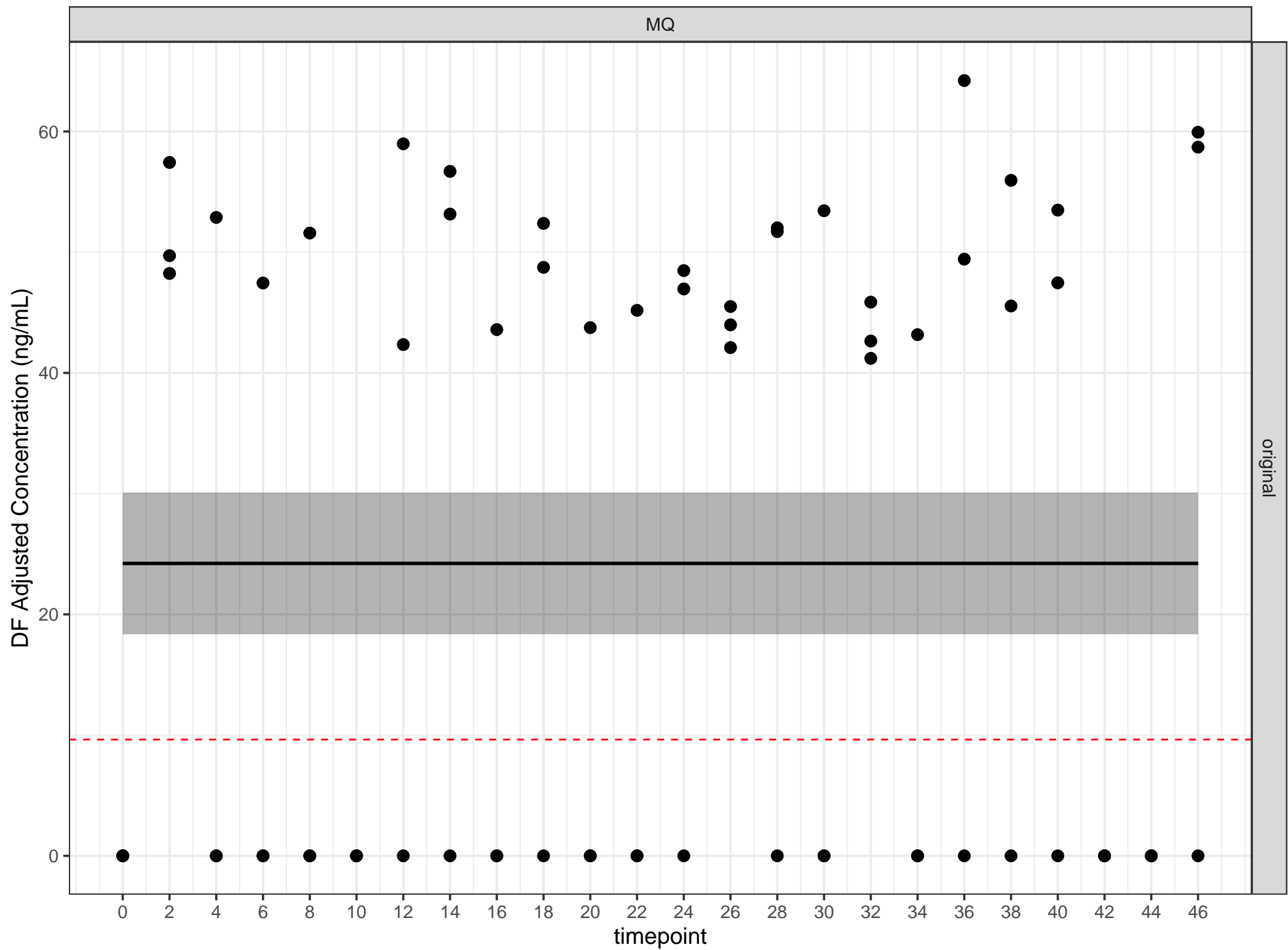
glucosamine-6-phosphate



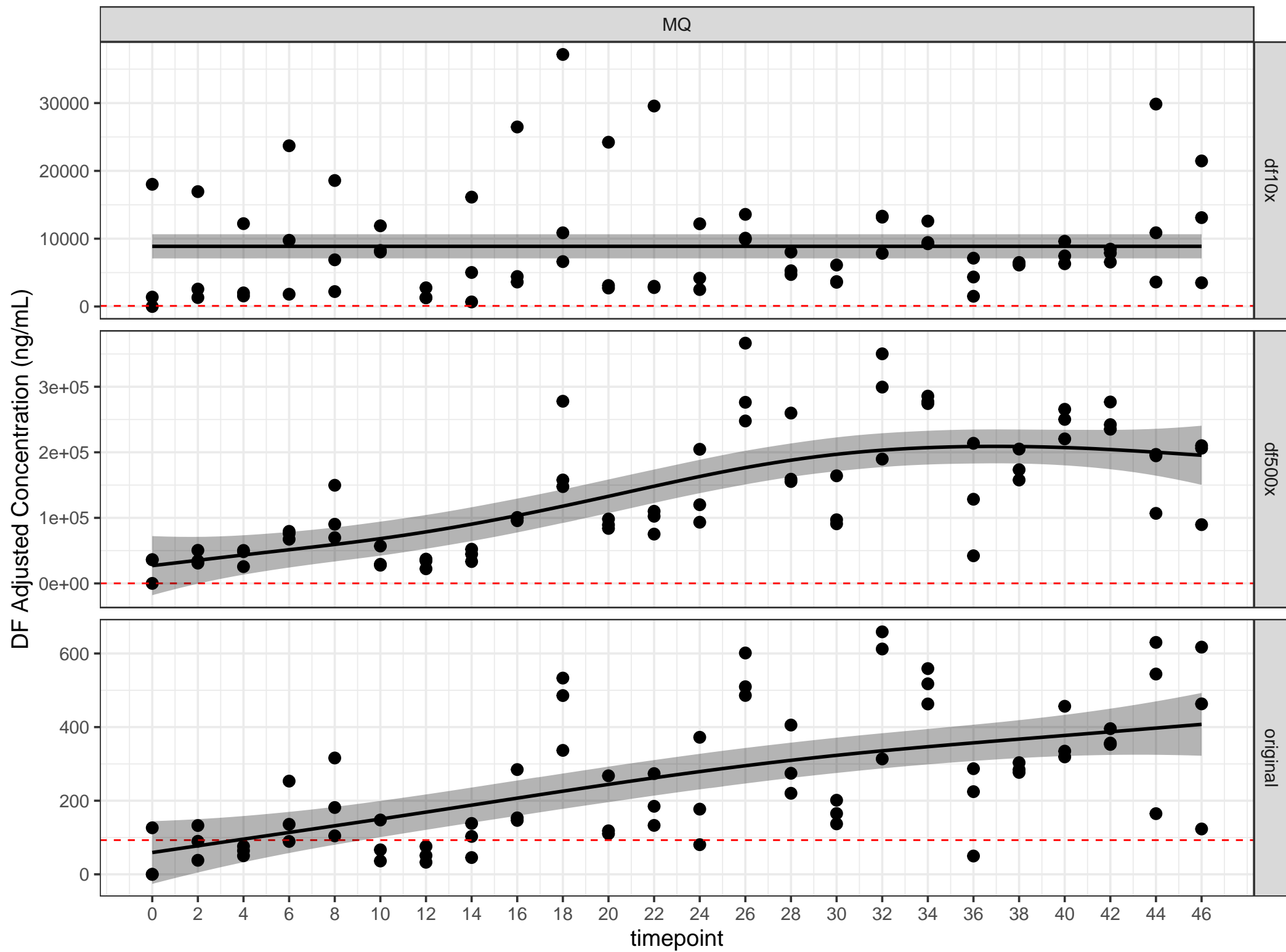
glucosamine162



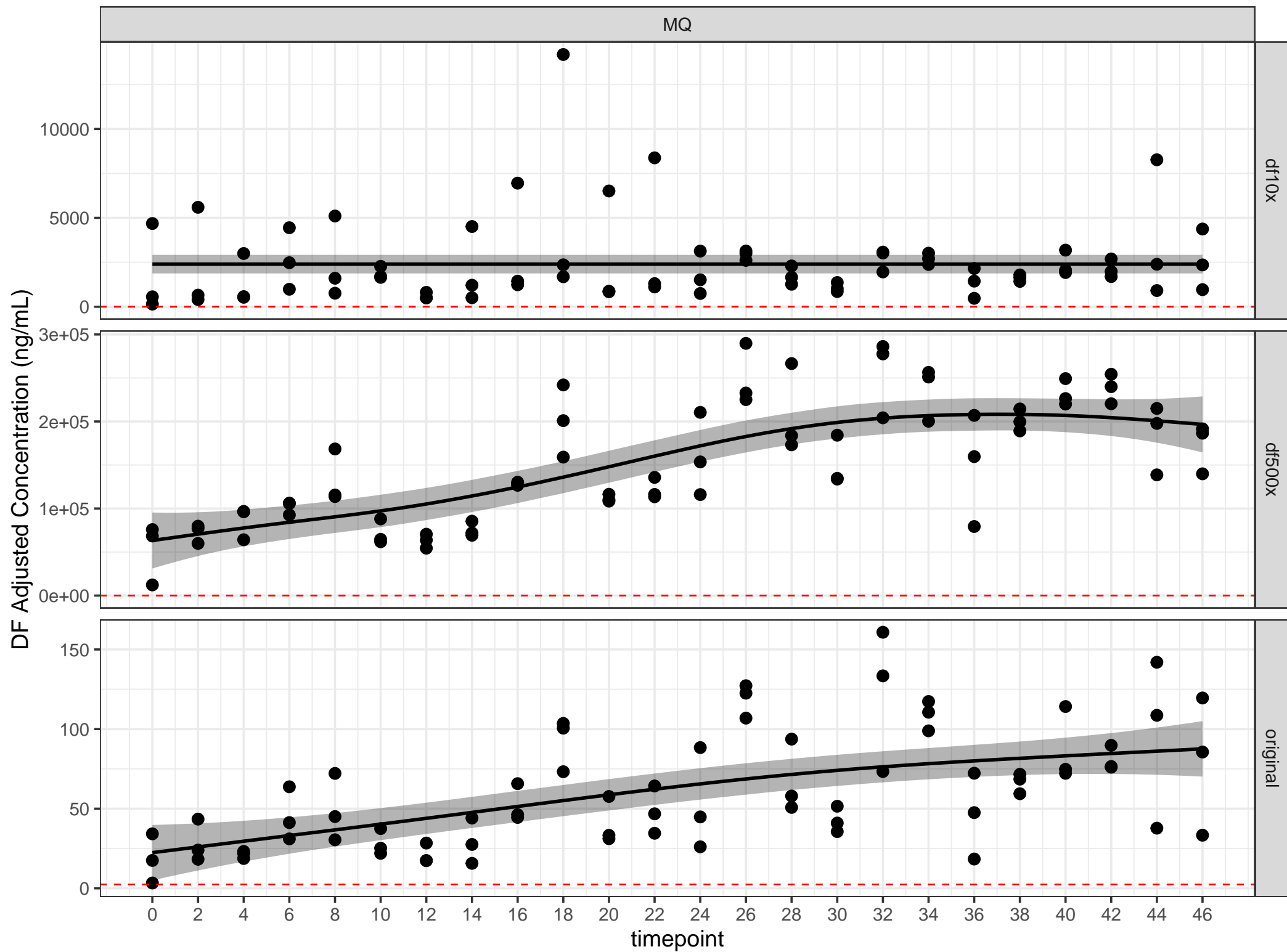
glucosamine180



glutamic acid neg

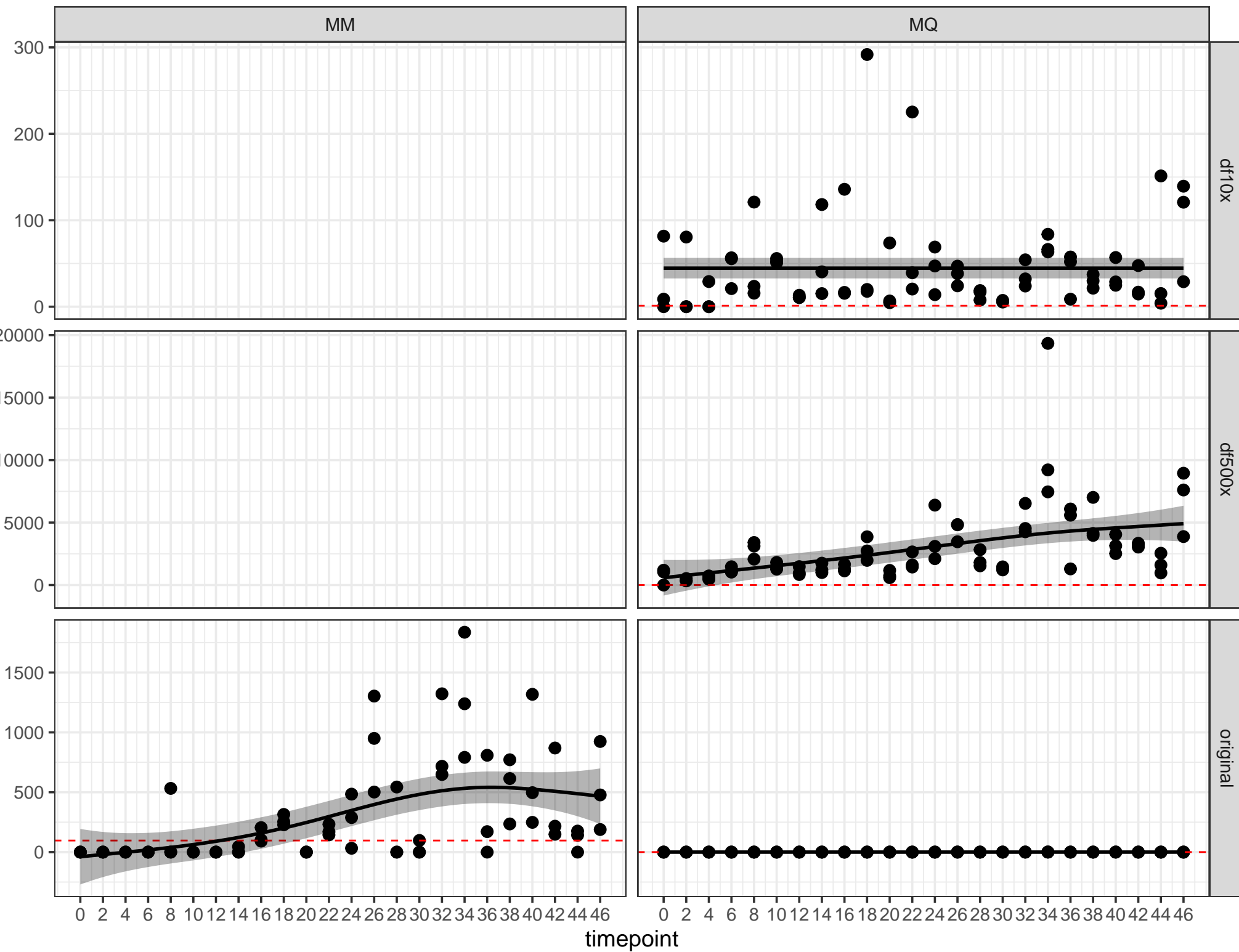


glutamic acid pos

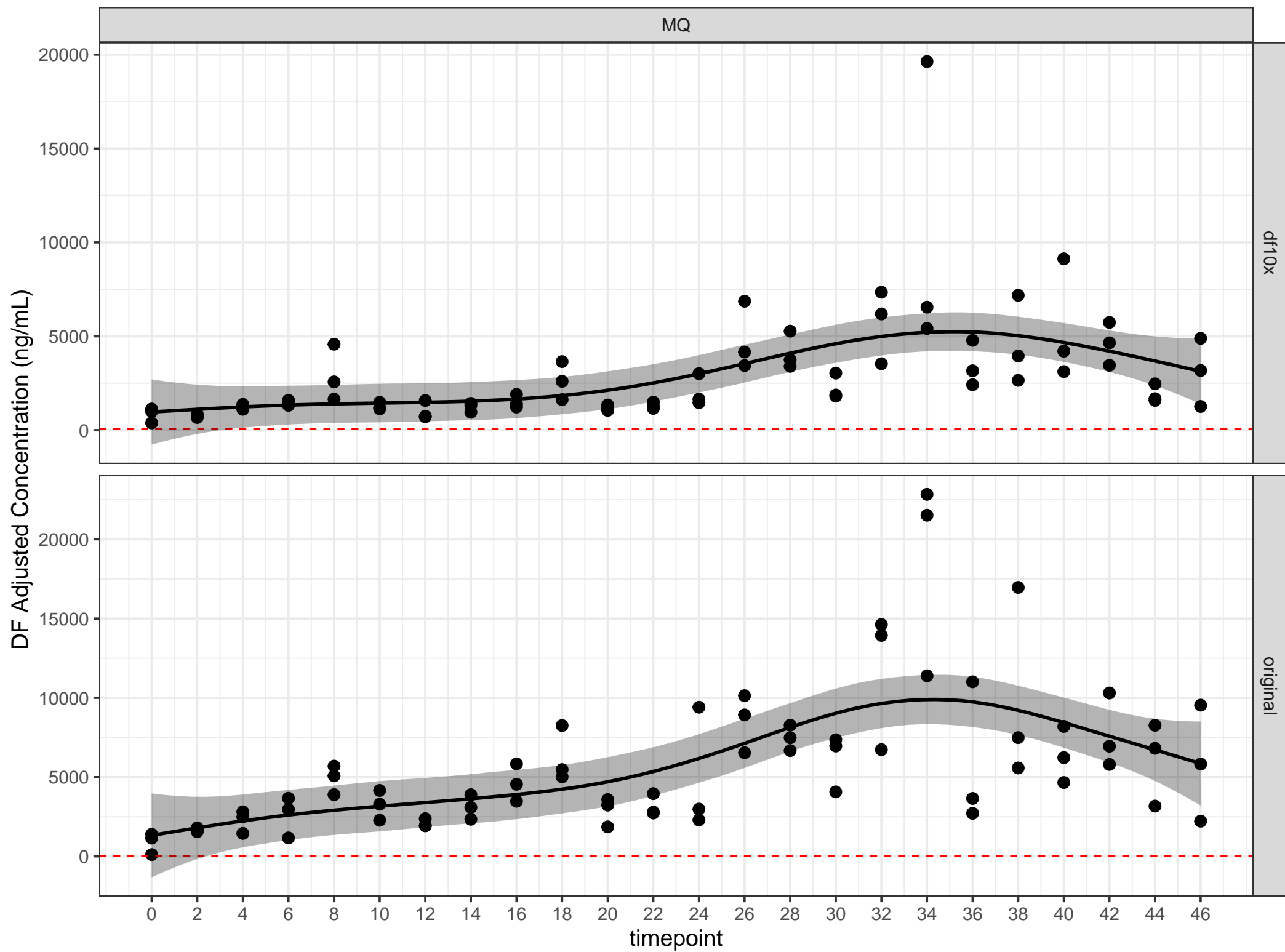


glutamine

DF Adjusted Concentration (ng/mL)



glutathione oxidized



glutathione pos

DF Adjusted Concentration (ng/mL)

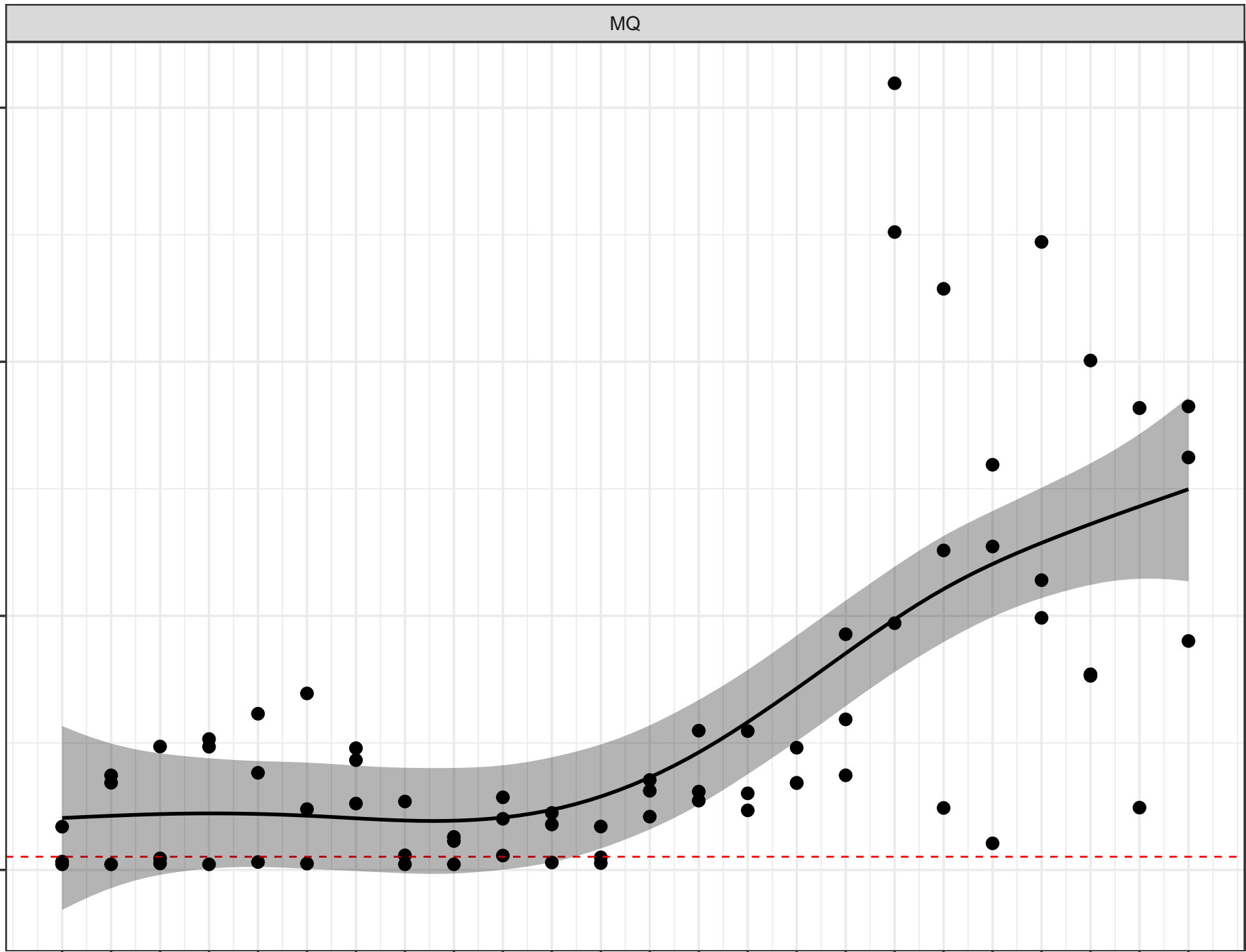
MQ

original

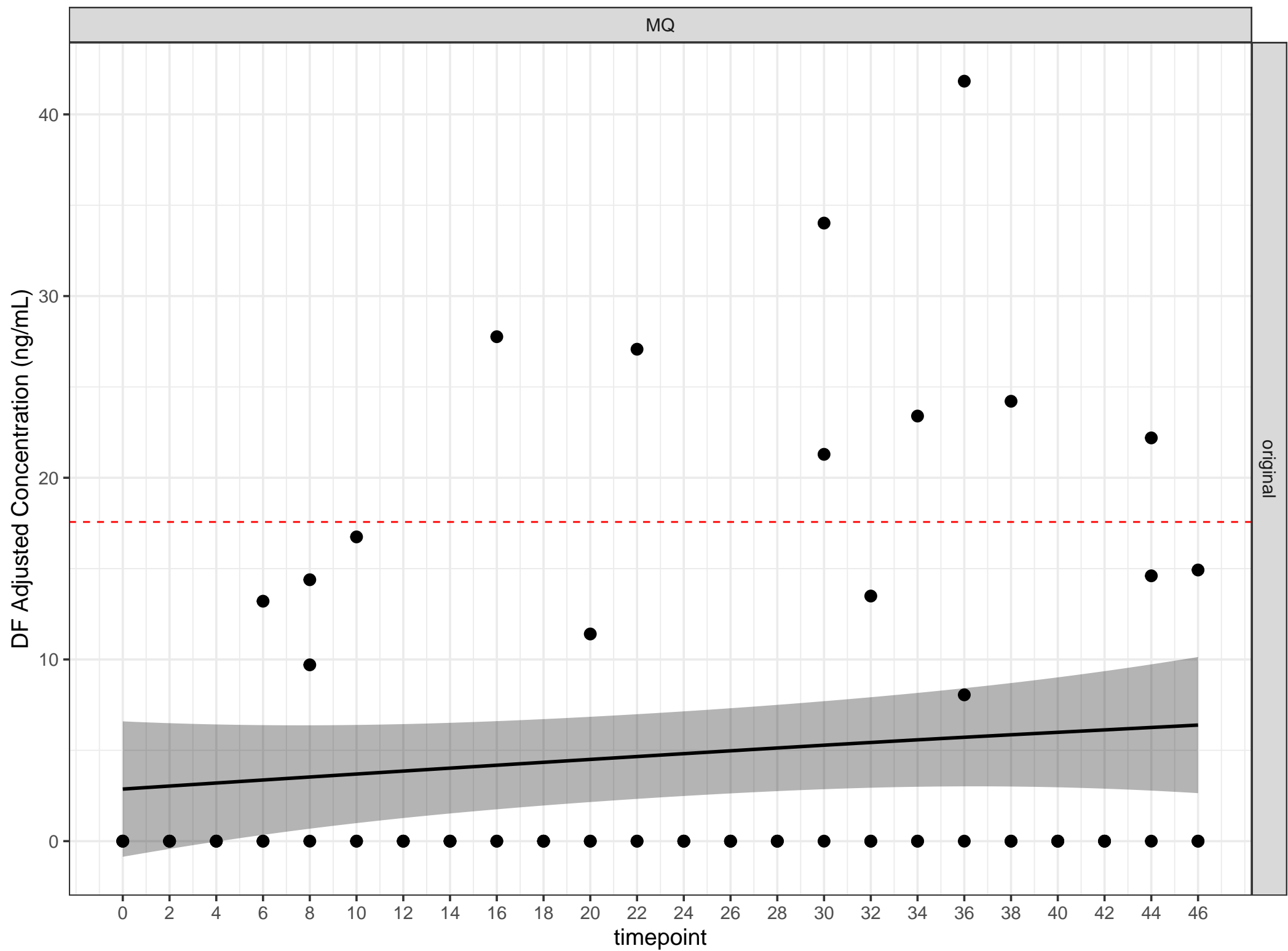
timepoint

1500
1000
500
0

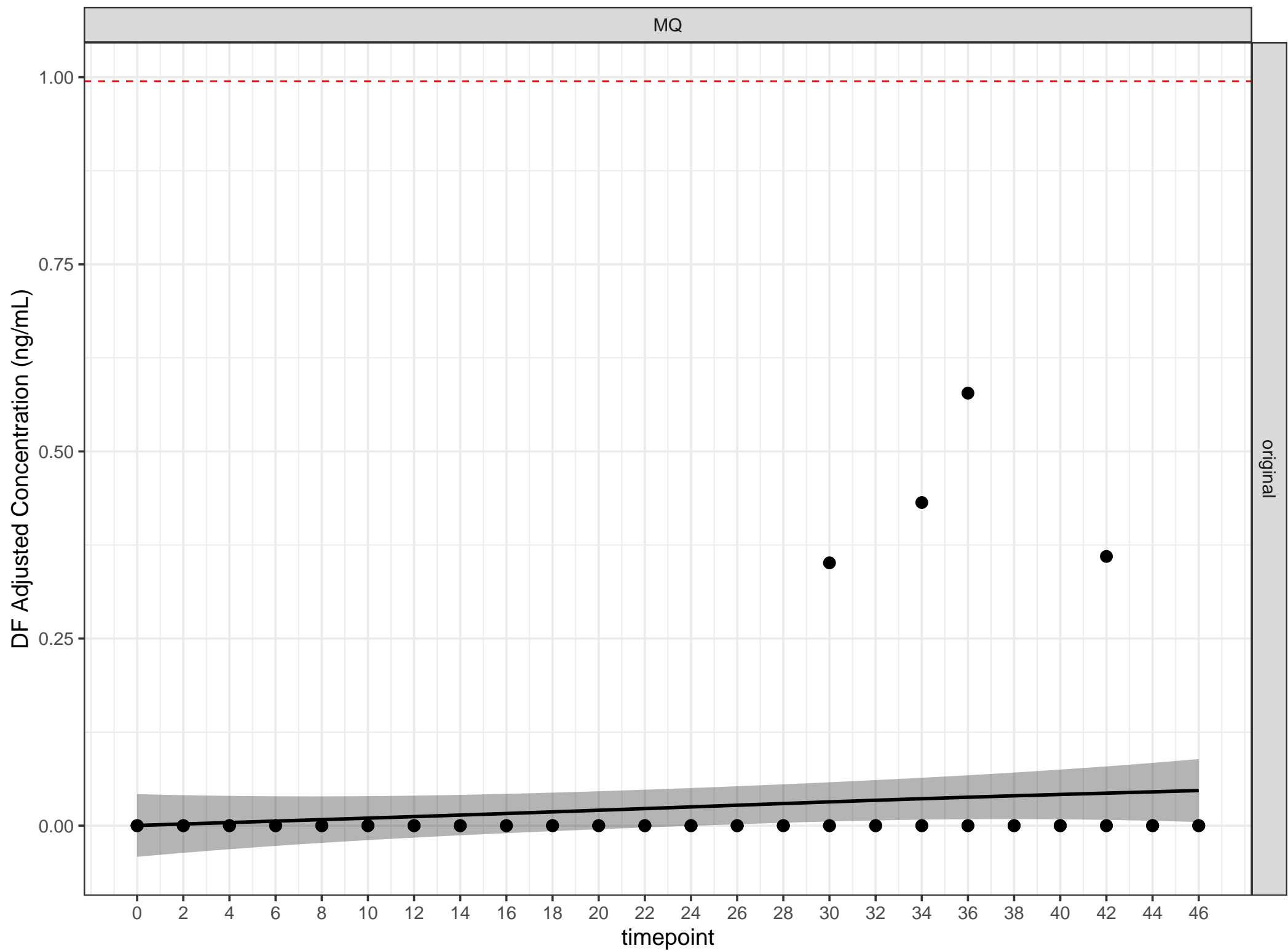
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46



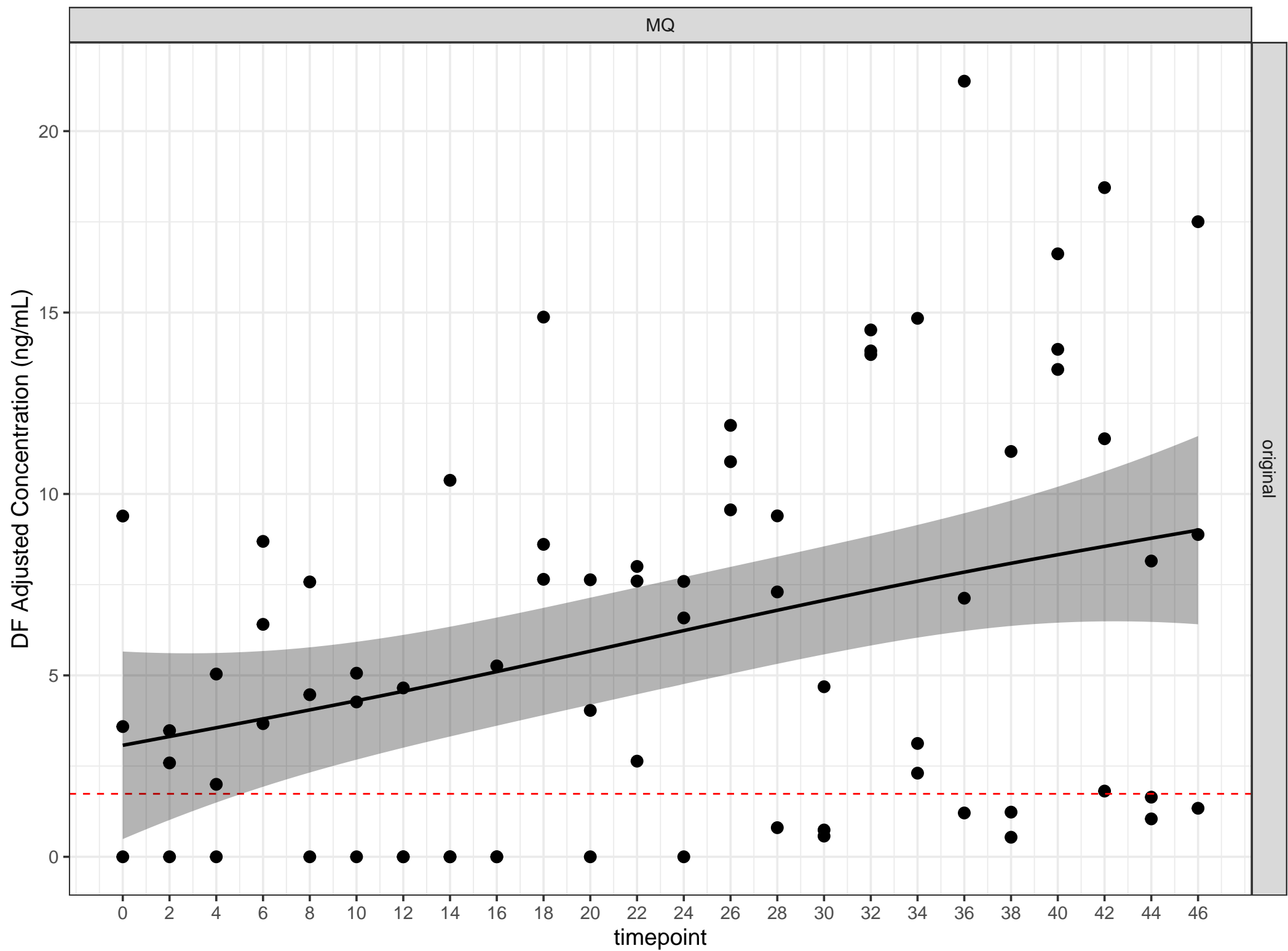
glyceraldehyde-3-phosphate



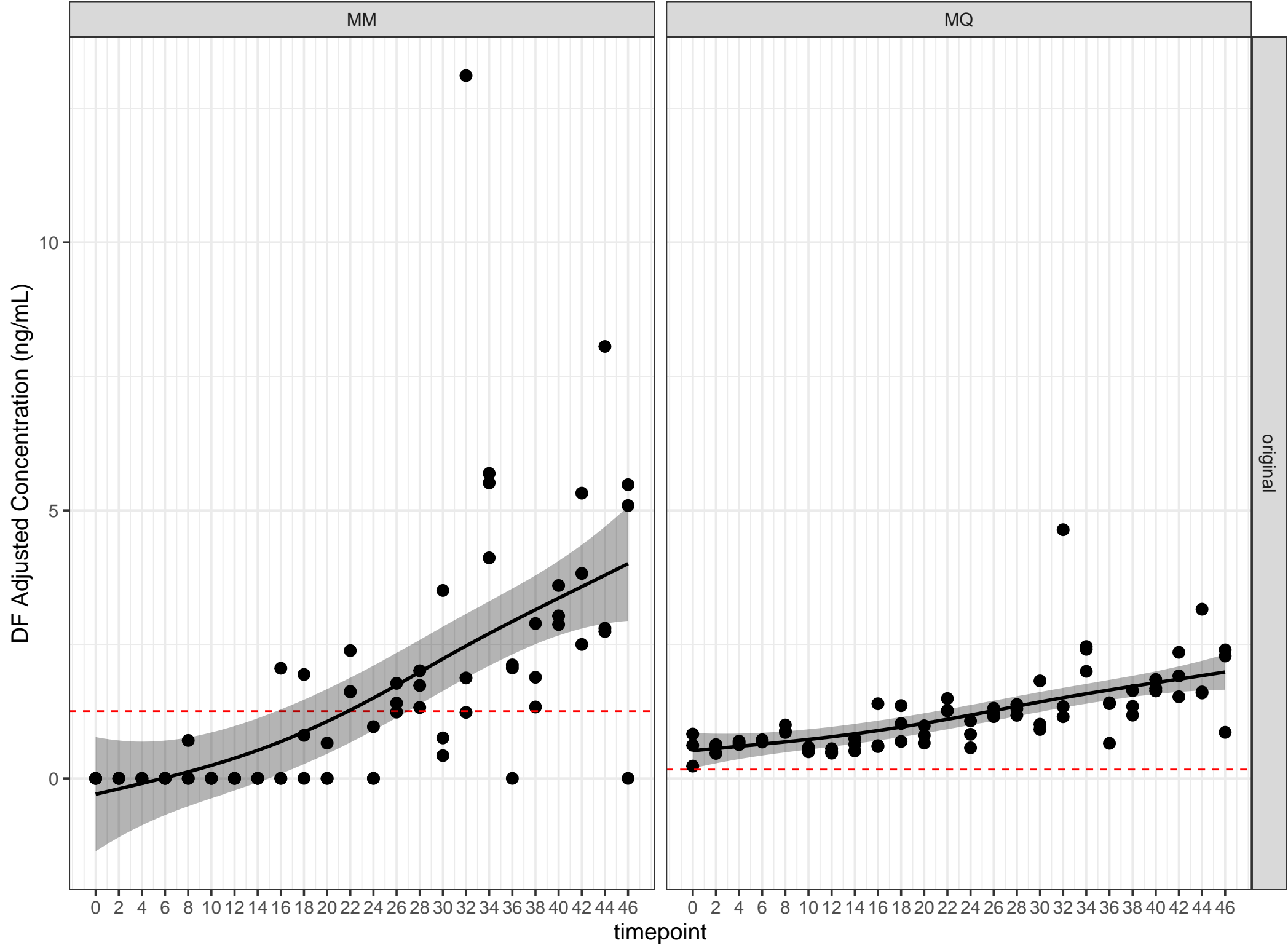
glycerol-3-phosphate pos



guanine



guanosine pos



hemin

DF Adjusted Concentration (ng/mL)

MM

MQ

df10x

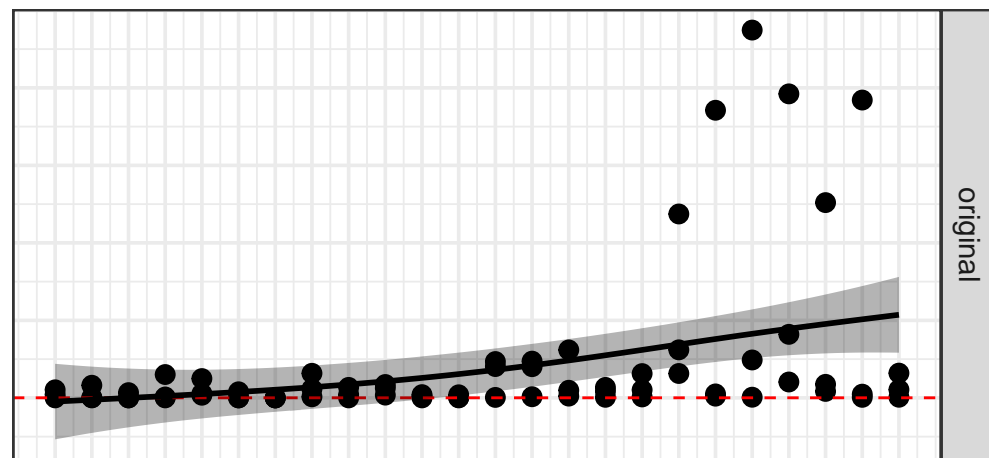
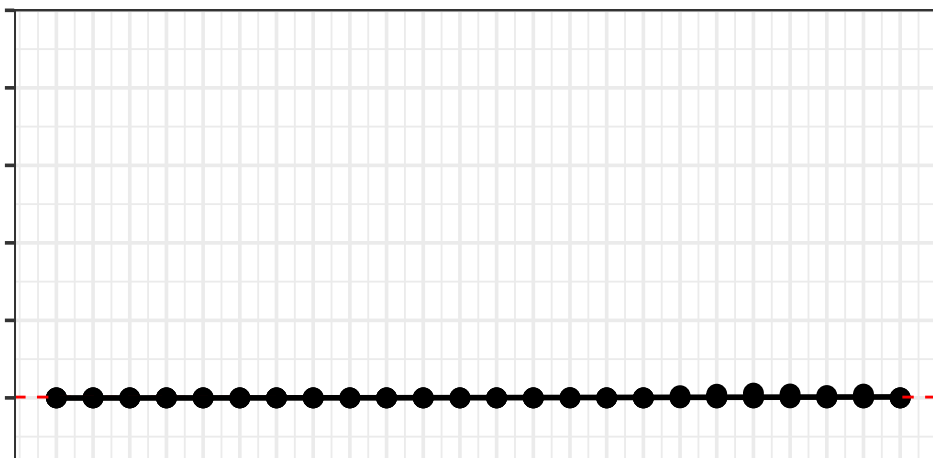
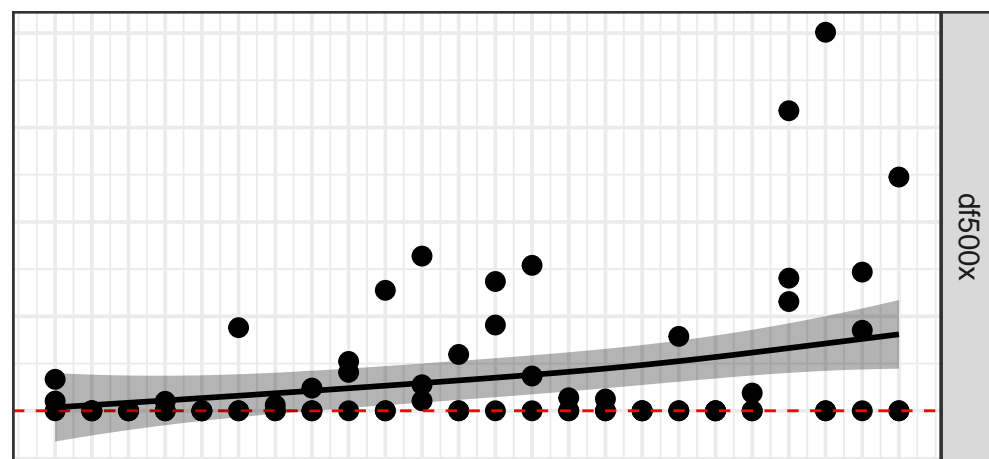
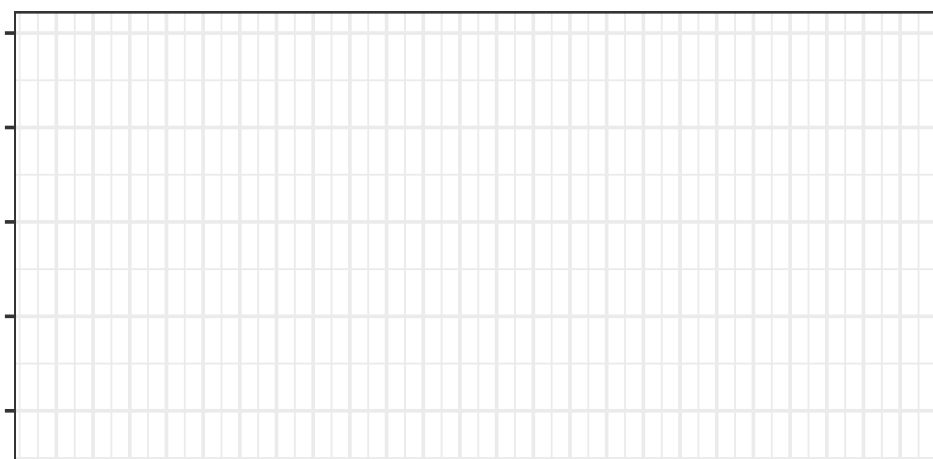
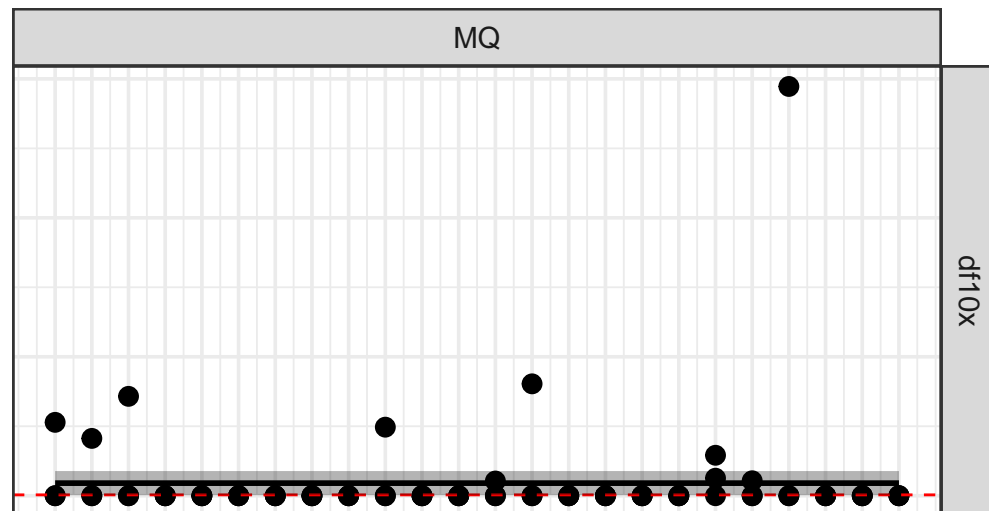
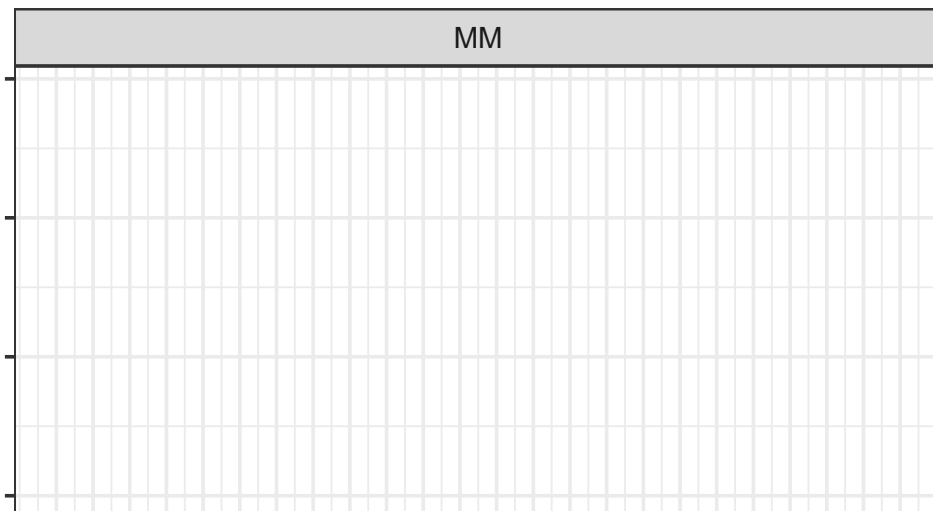
df500x

original

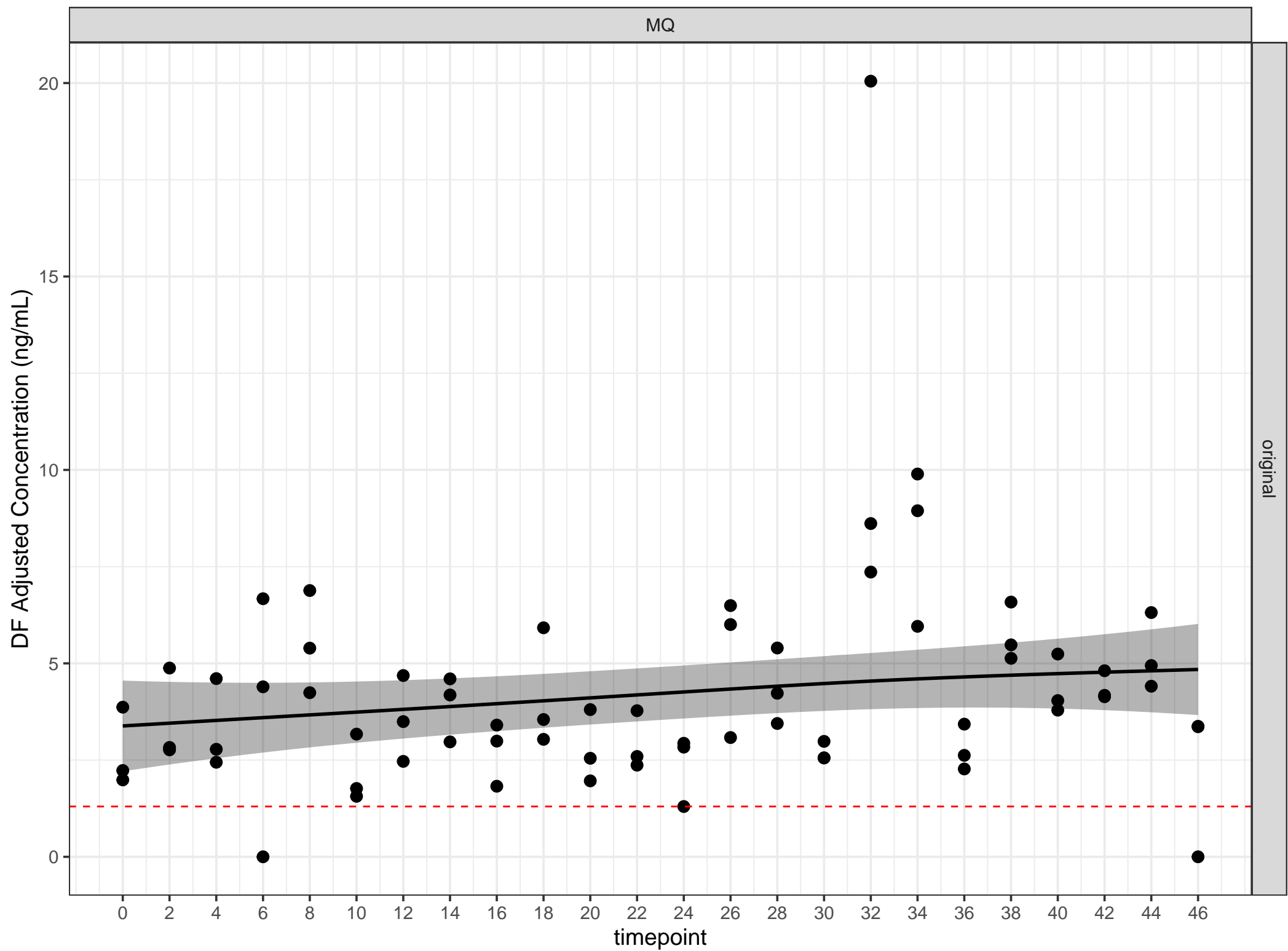
300
200
100
0
20000
15000
10000
5000
0
25000
20000
15000
10000
5000
0

0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46
timepoint

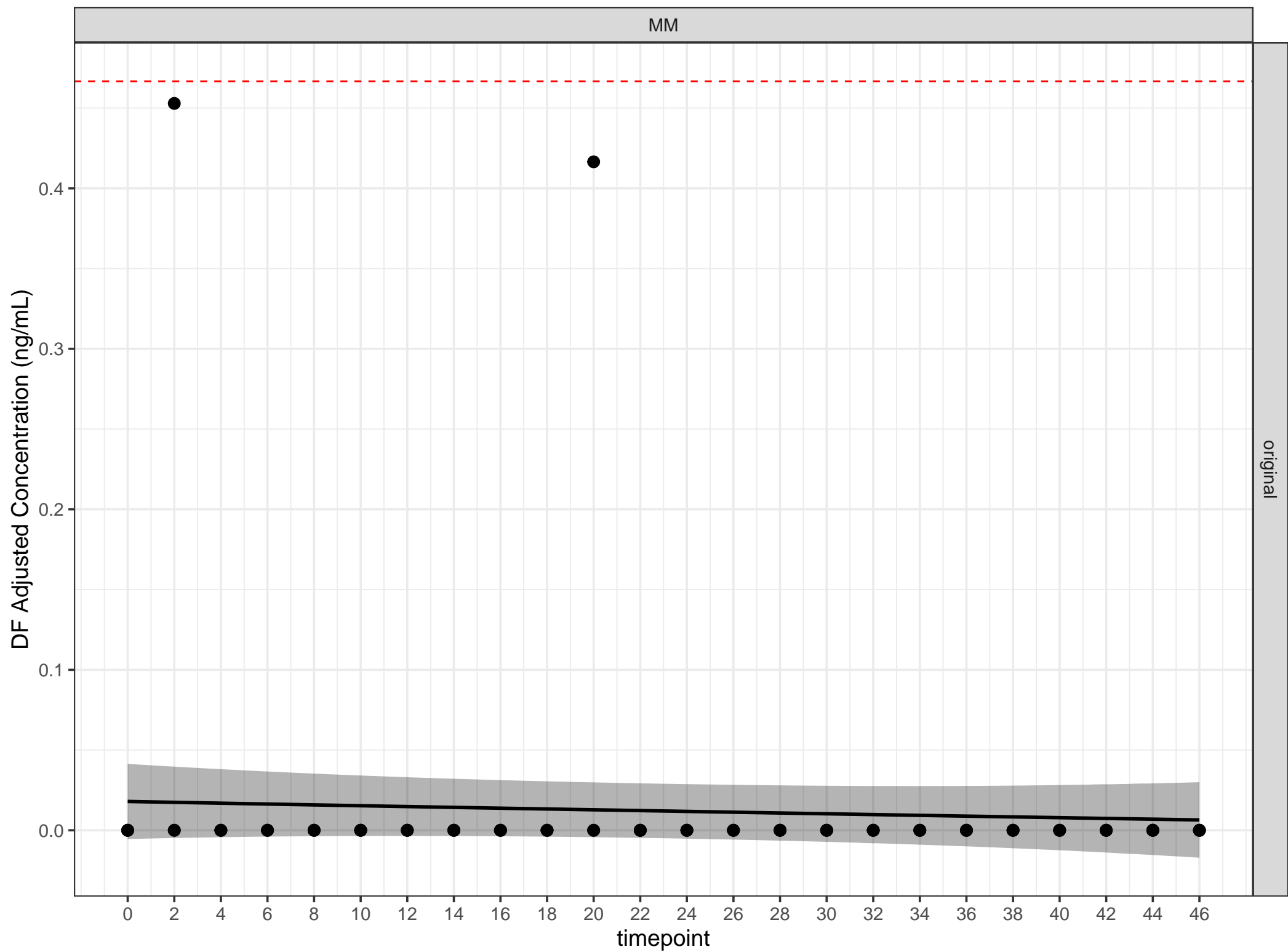
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46



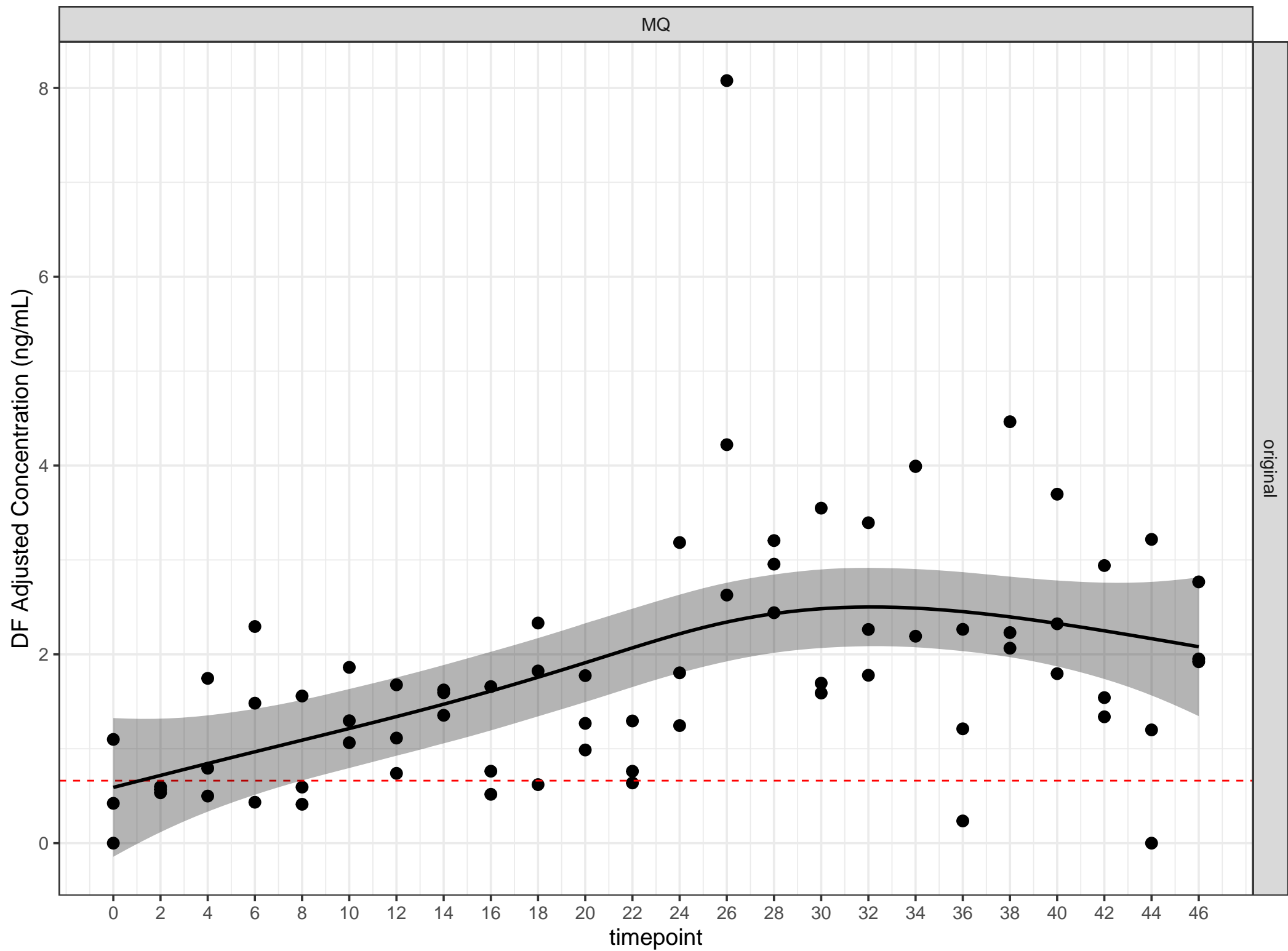
hexose-6-phosphate



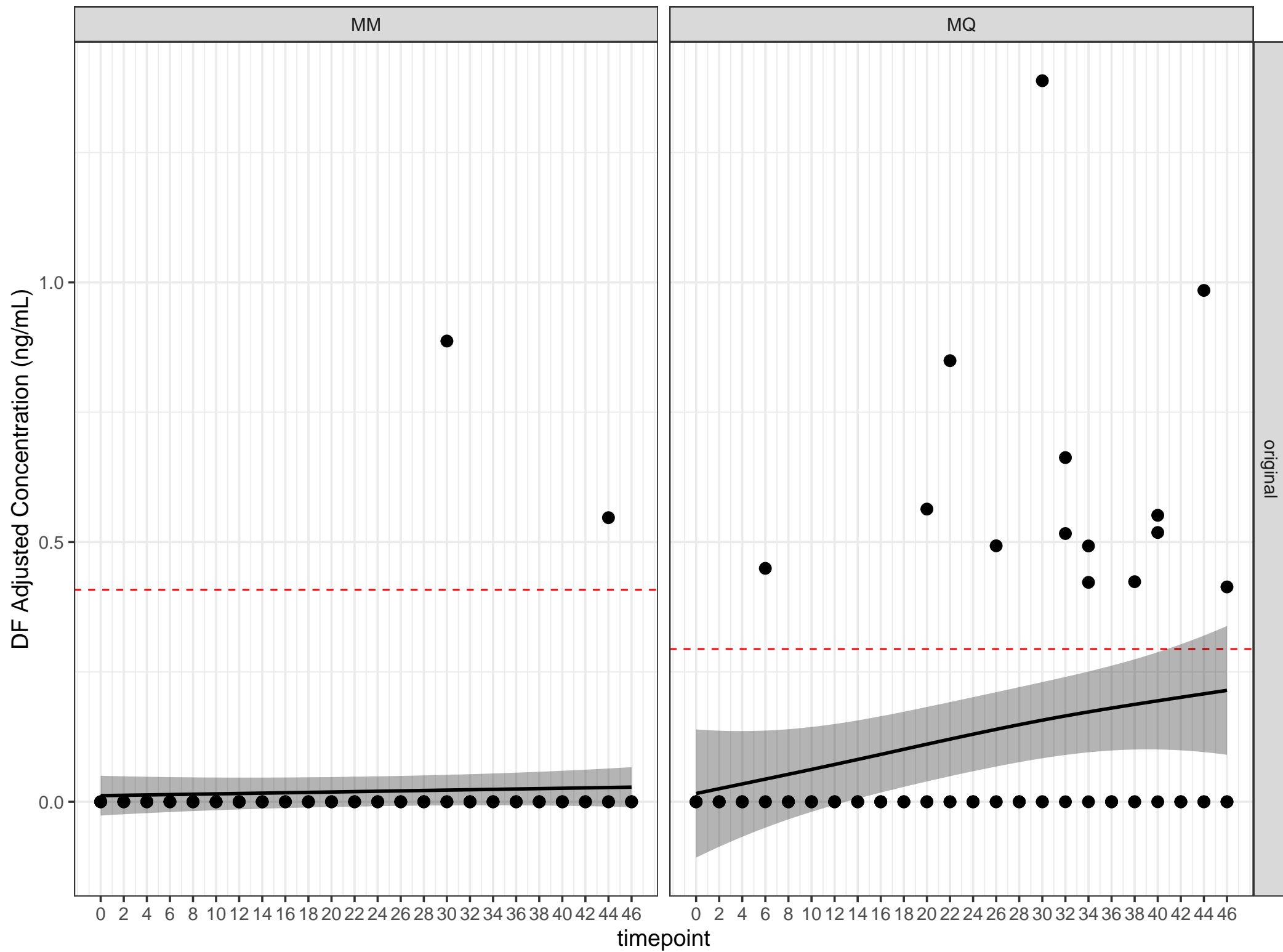
homarine



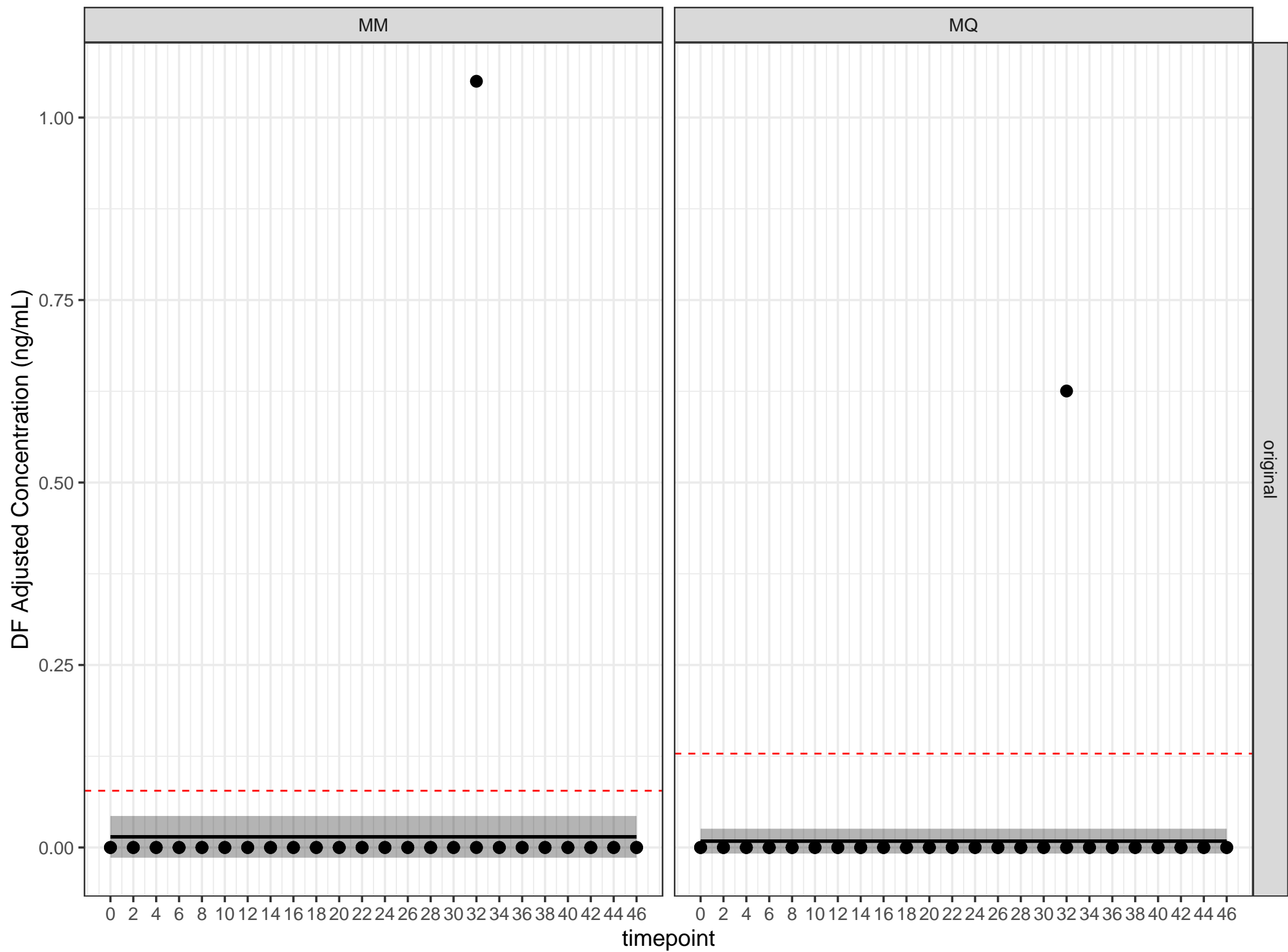
homocysteine



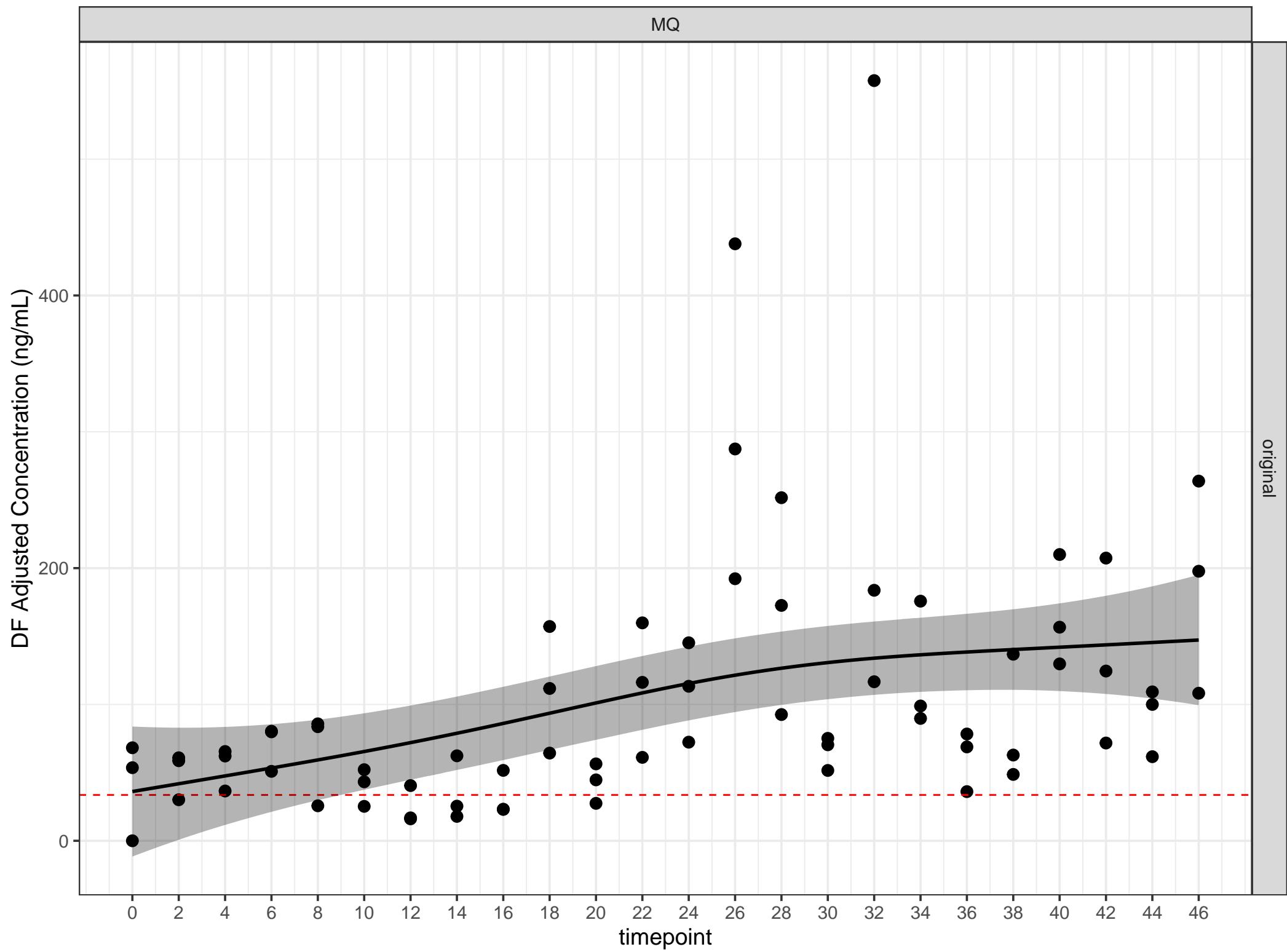
hypoxanthine



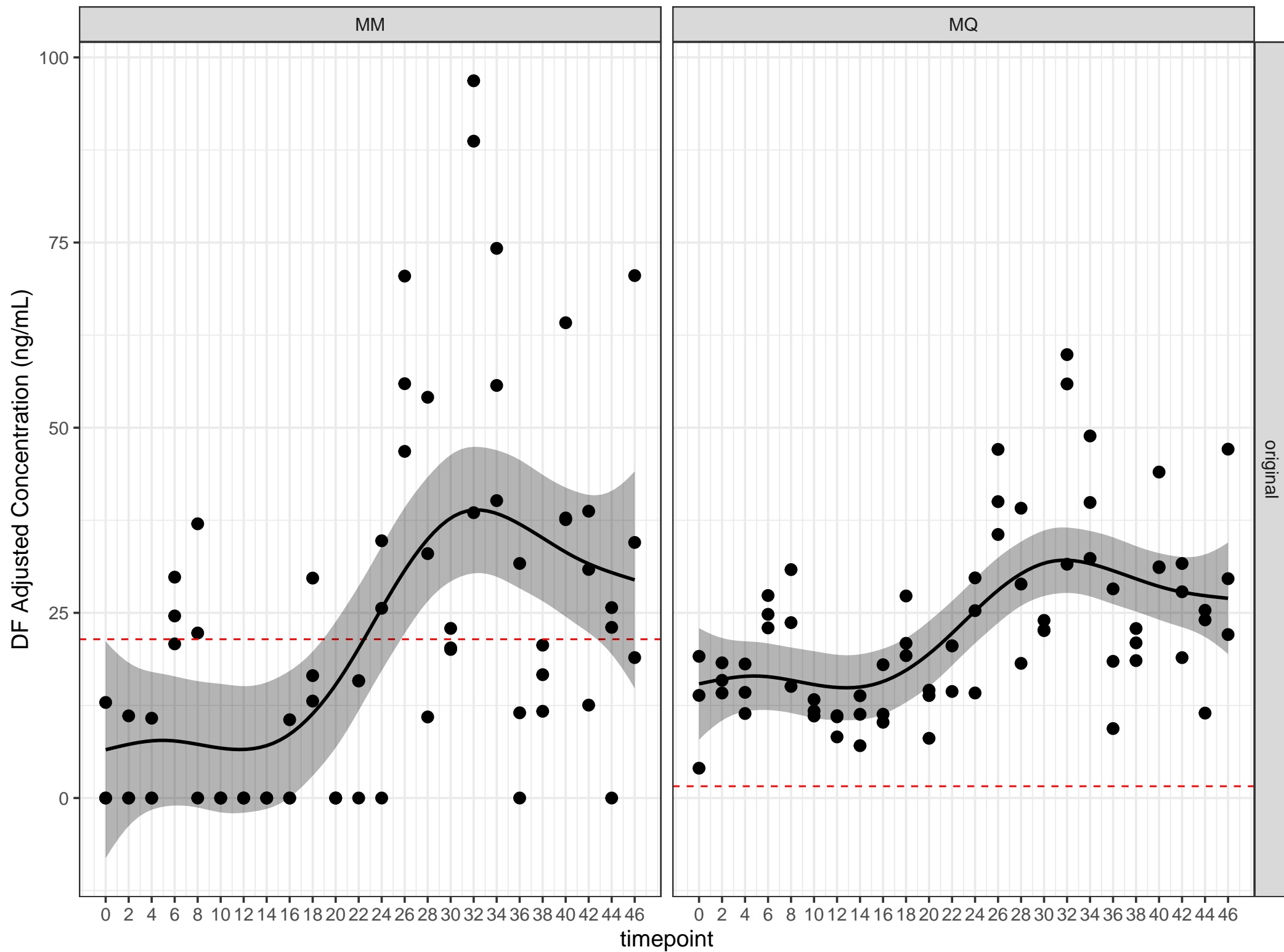
inosine



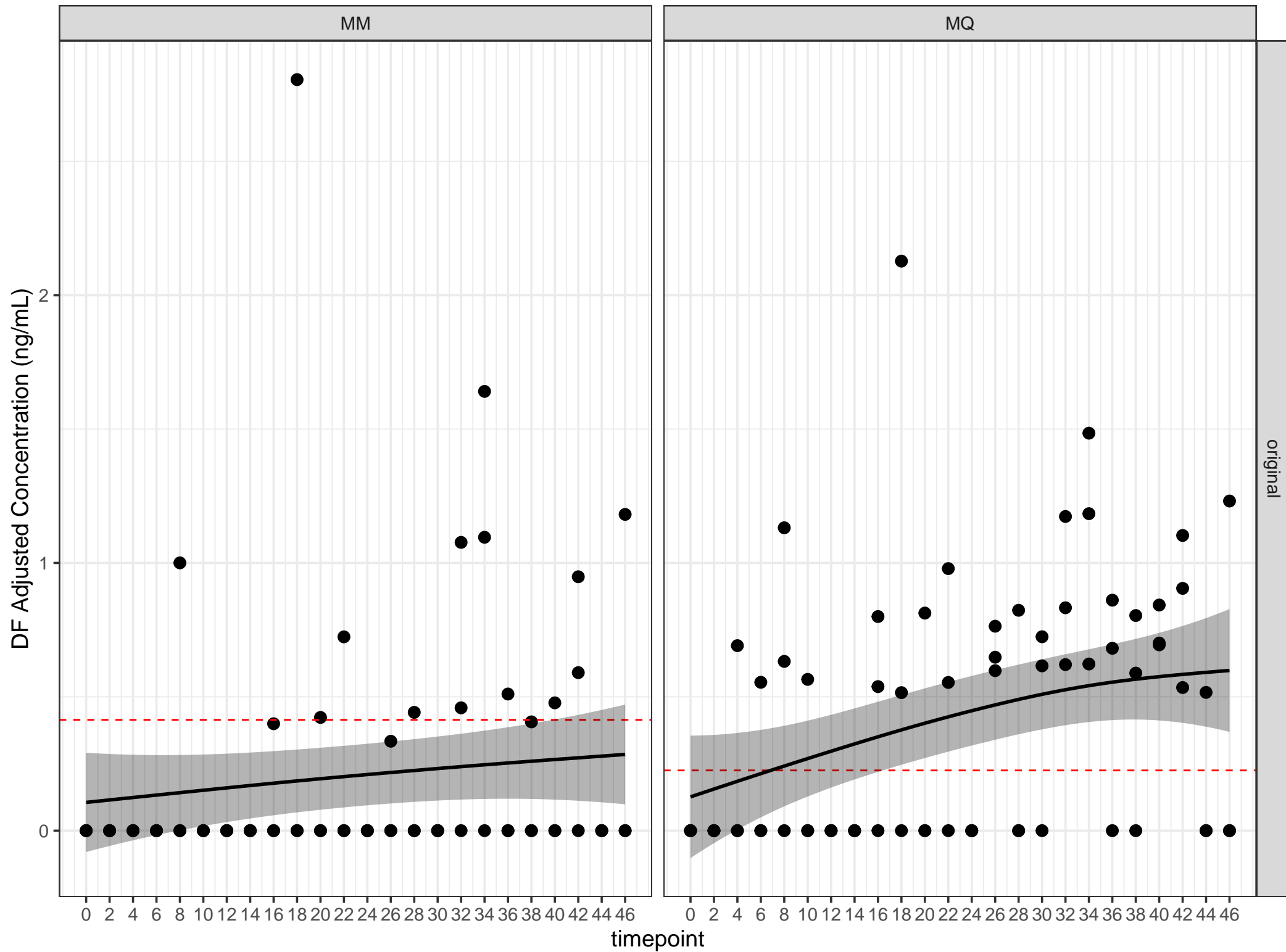
inosine 5-monophosphate pos



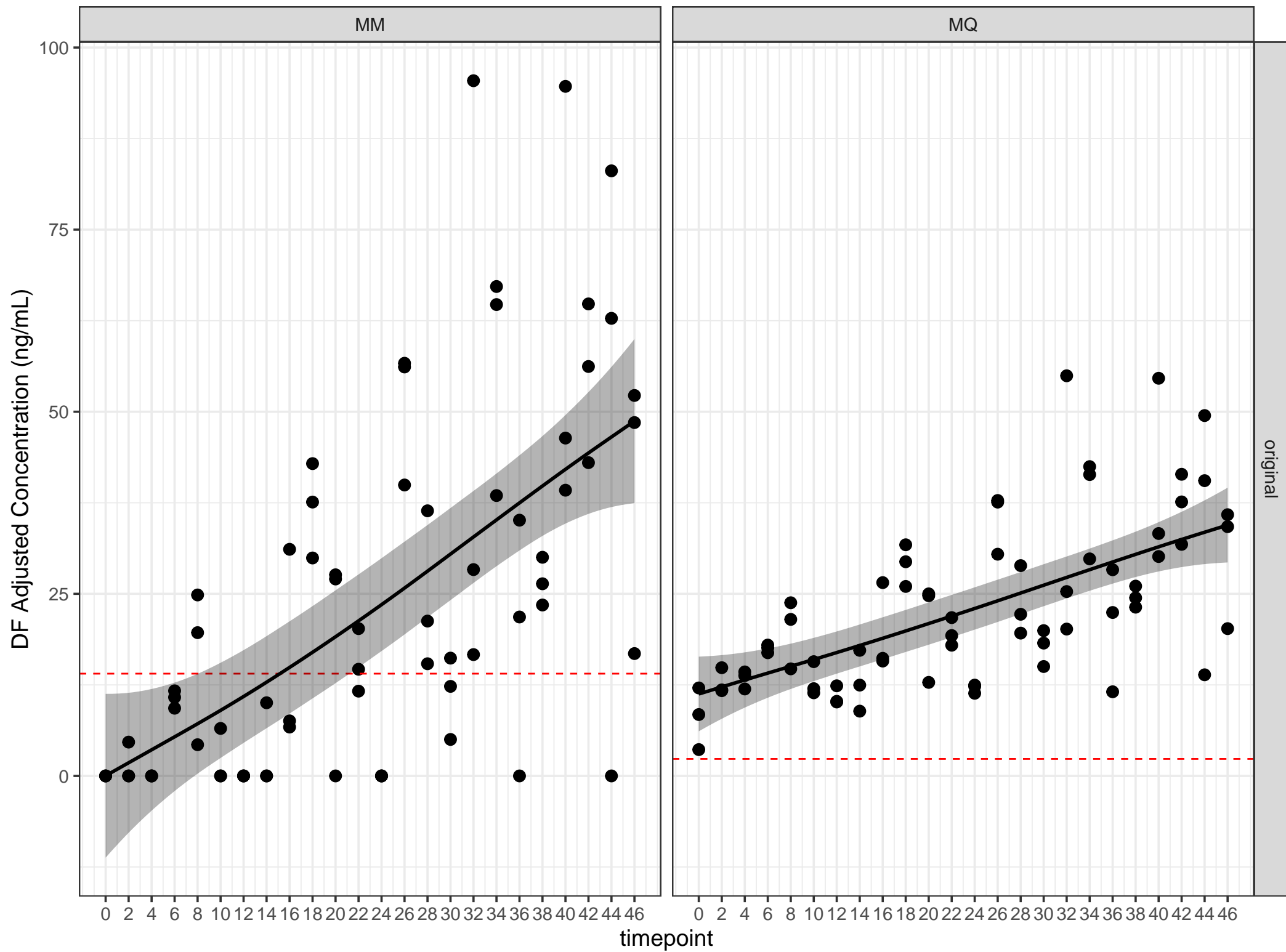
isoleucine



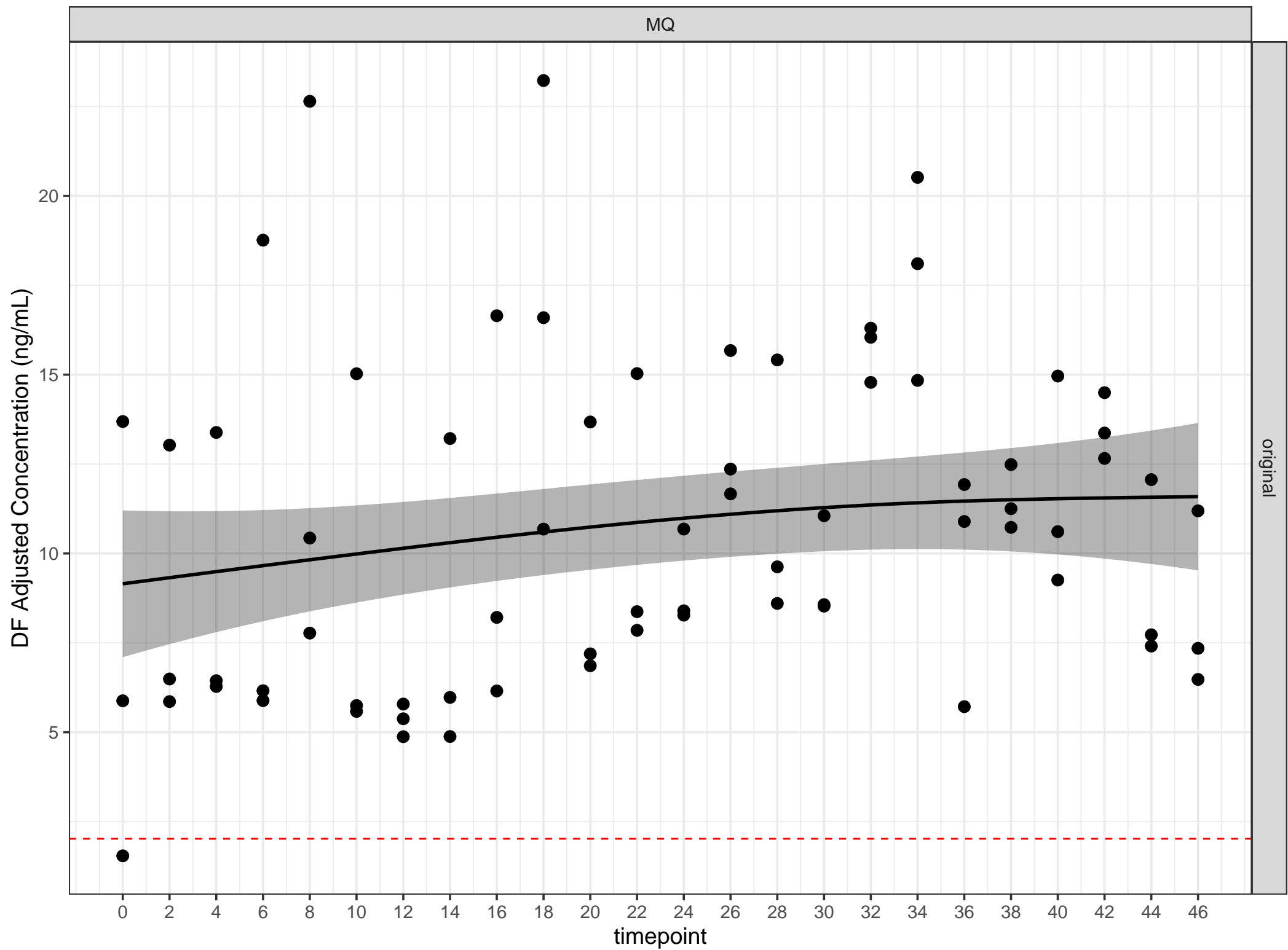
kynurenine



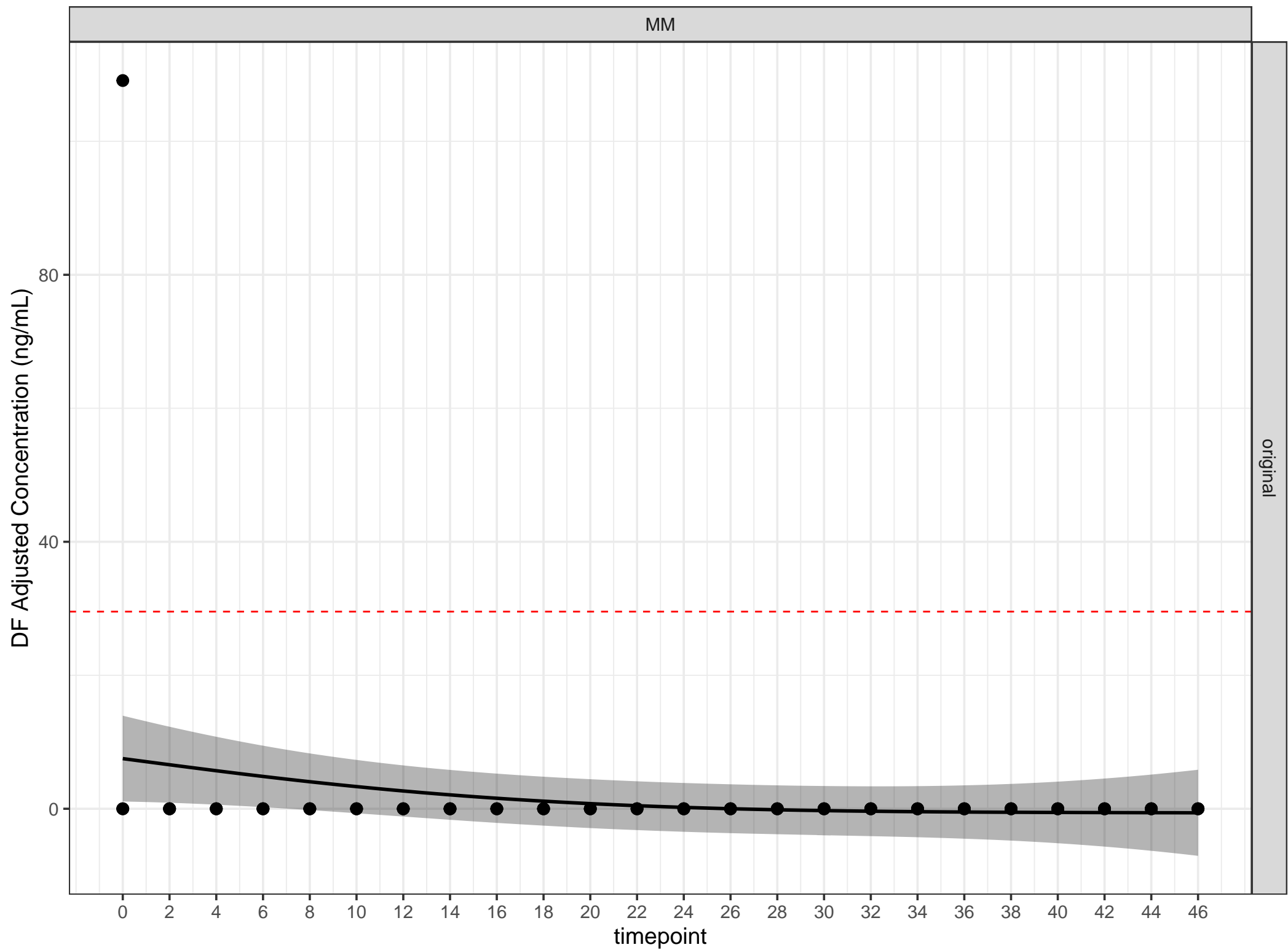
leucine



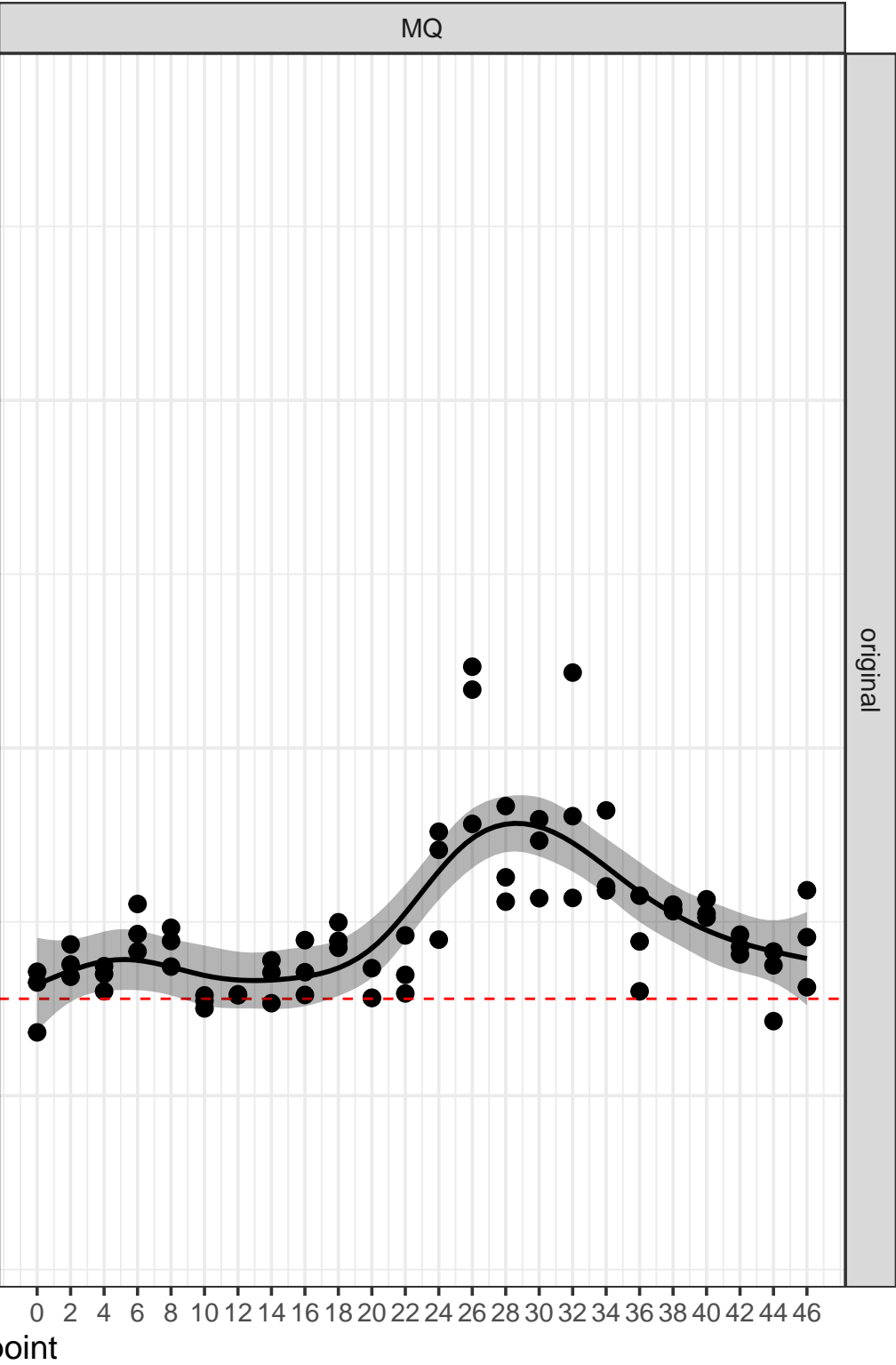
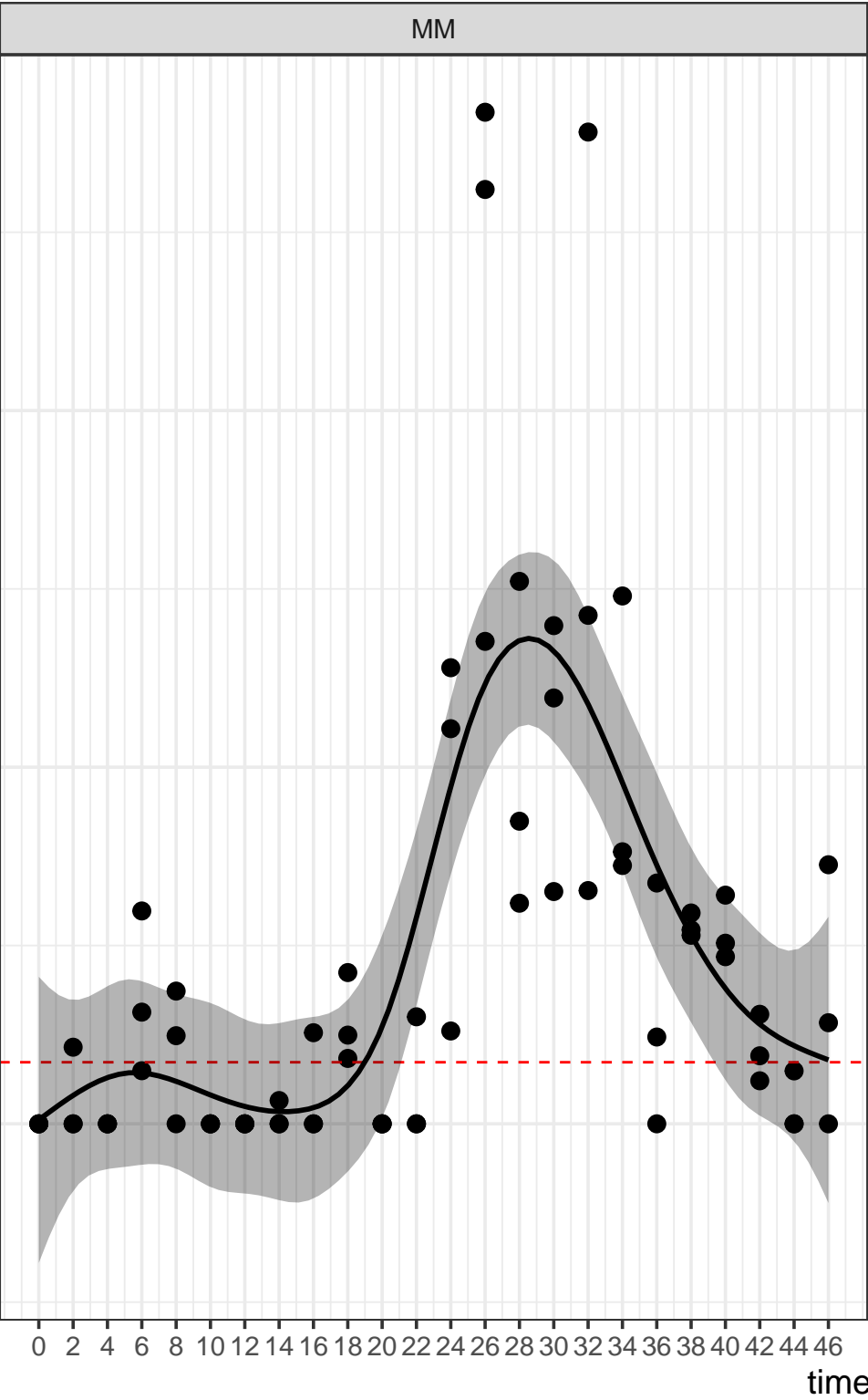
Iumichrome



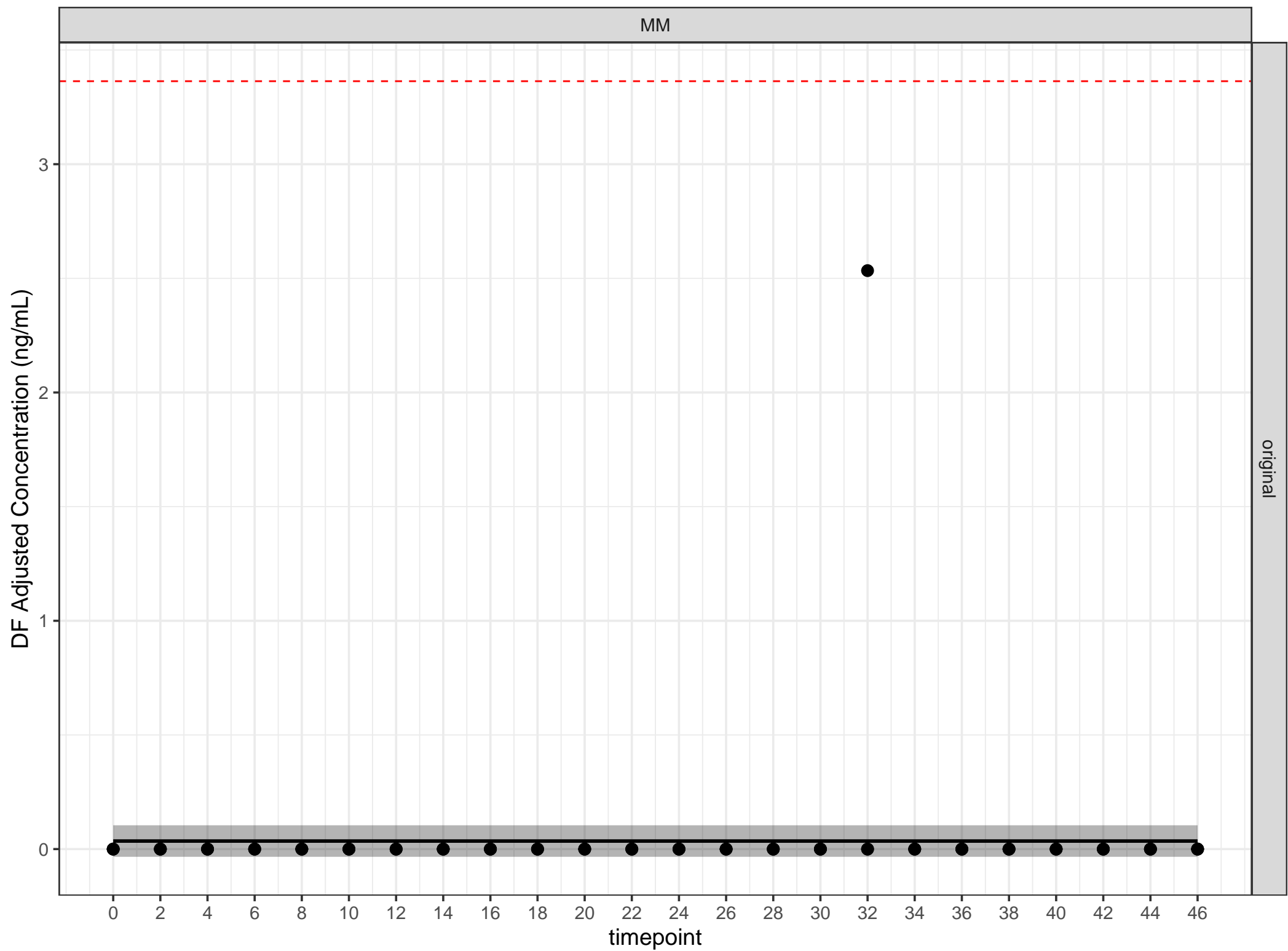
malic acid



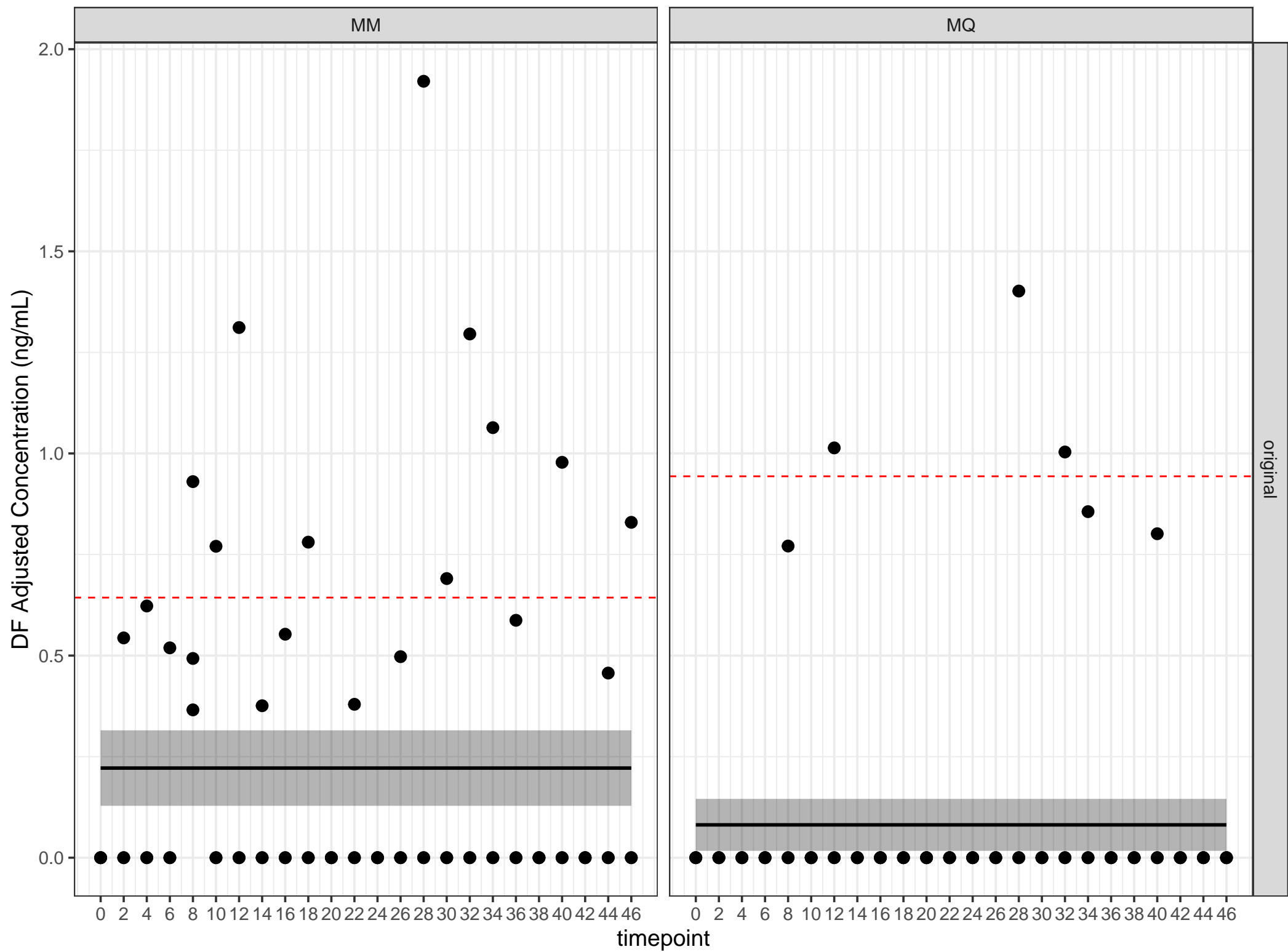
methionine



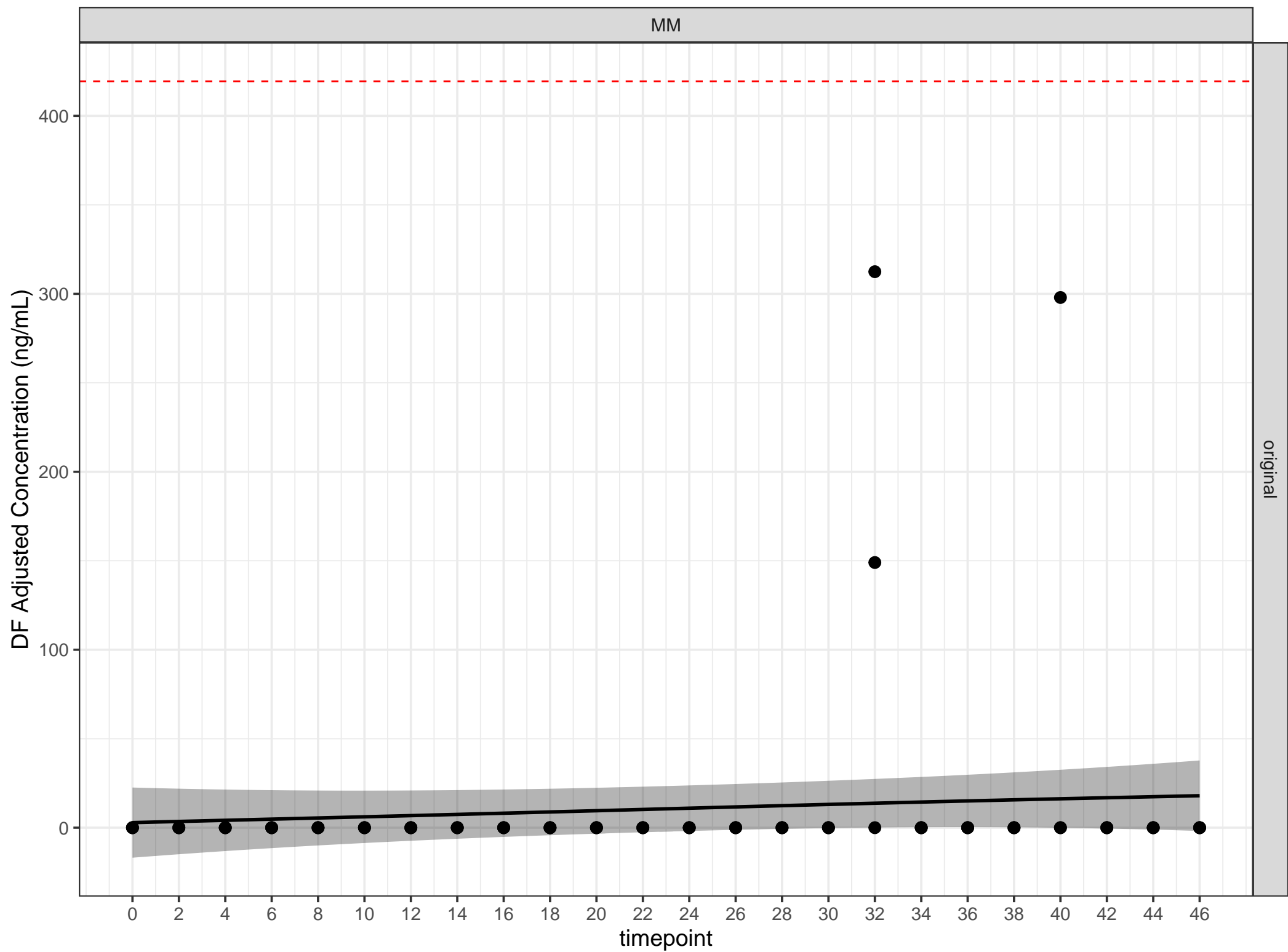
methylmalonic acid



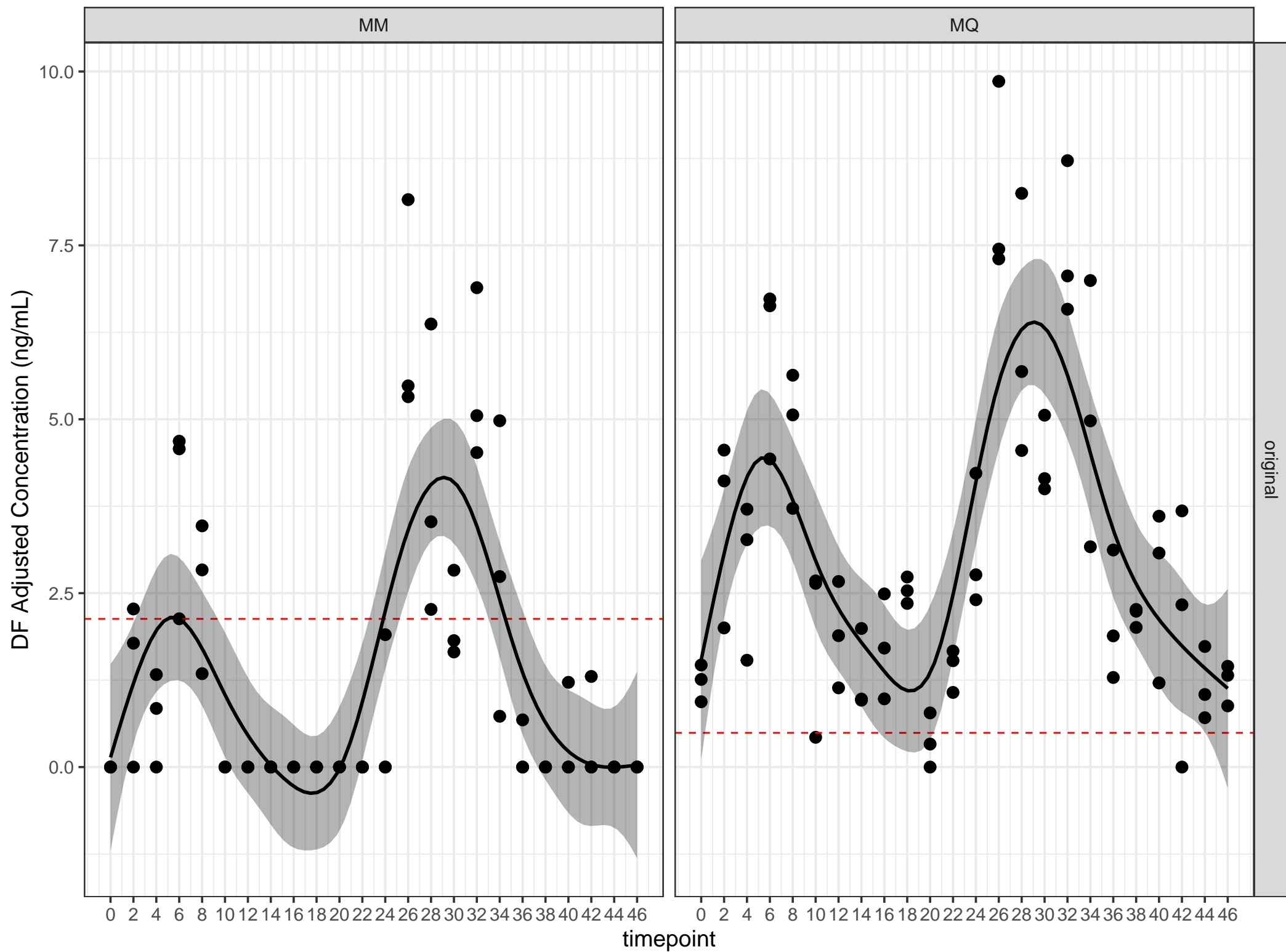
muramic acid pos



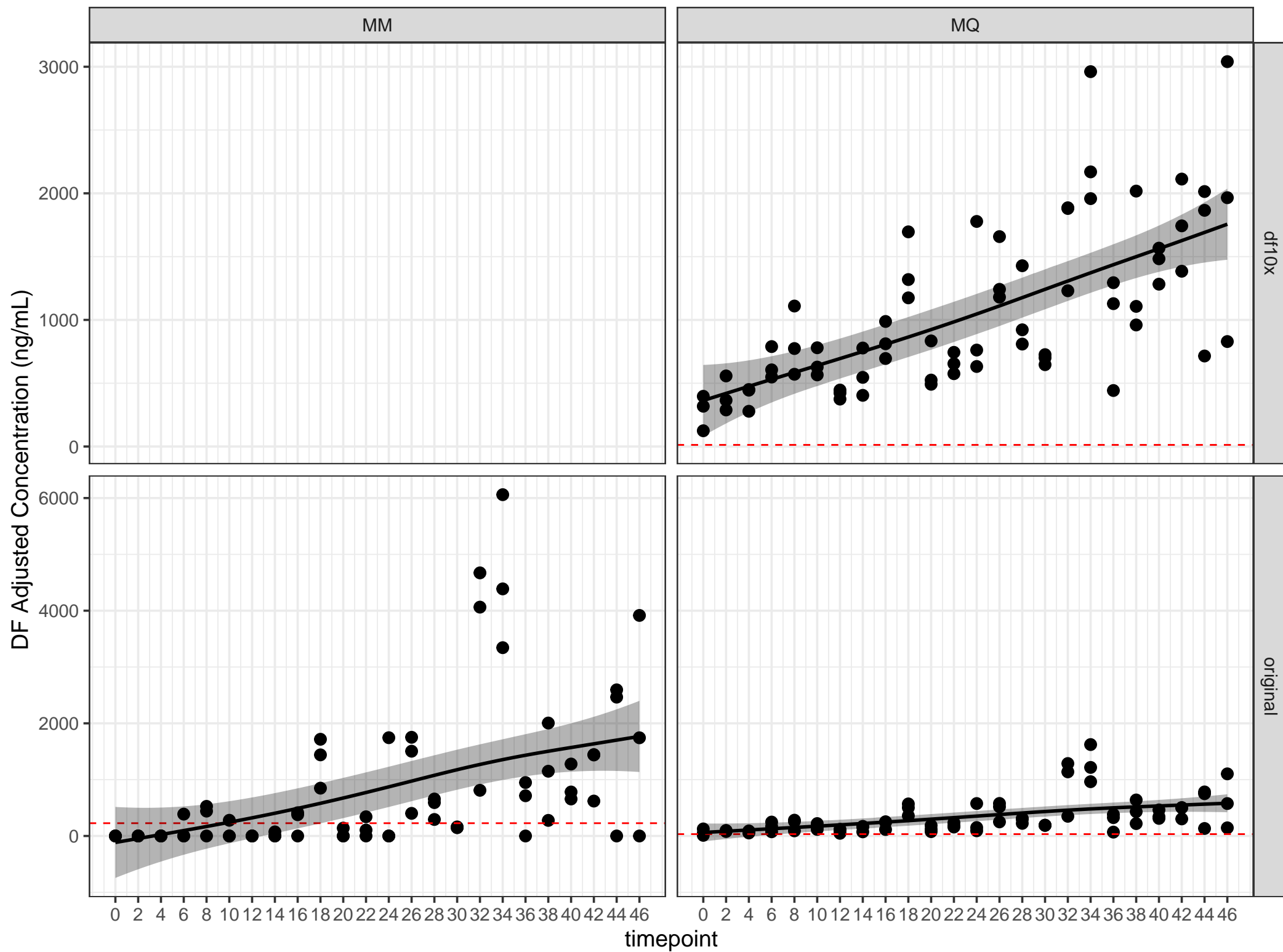
n-acetyl-glucosamine-6-phosphate



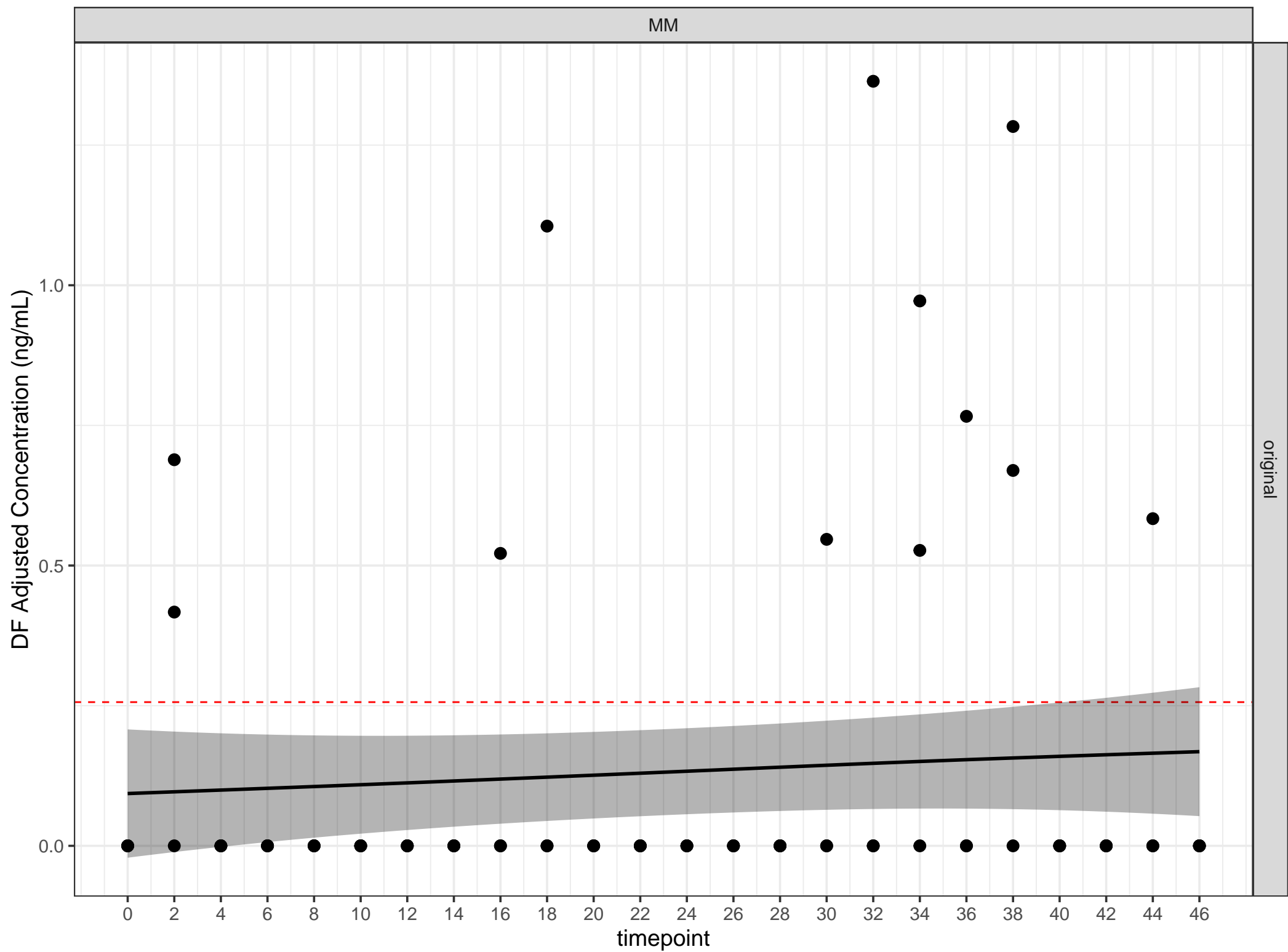
n-acetylglucosamine204



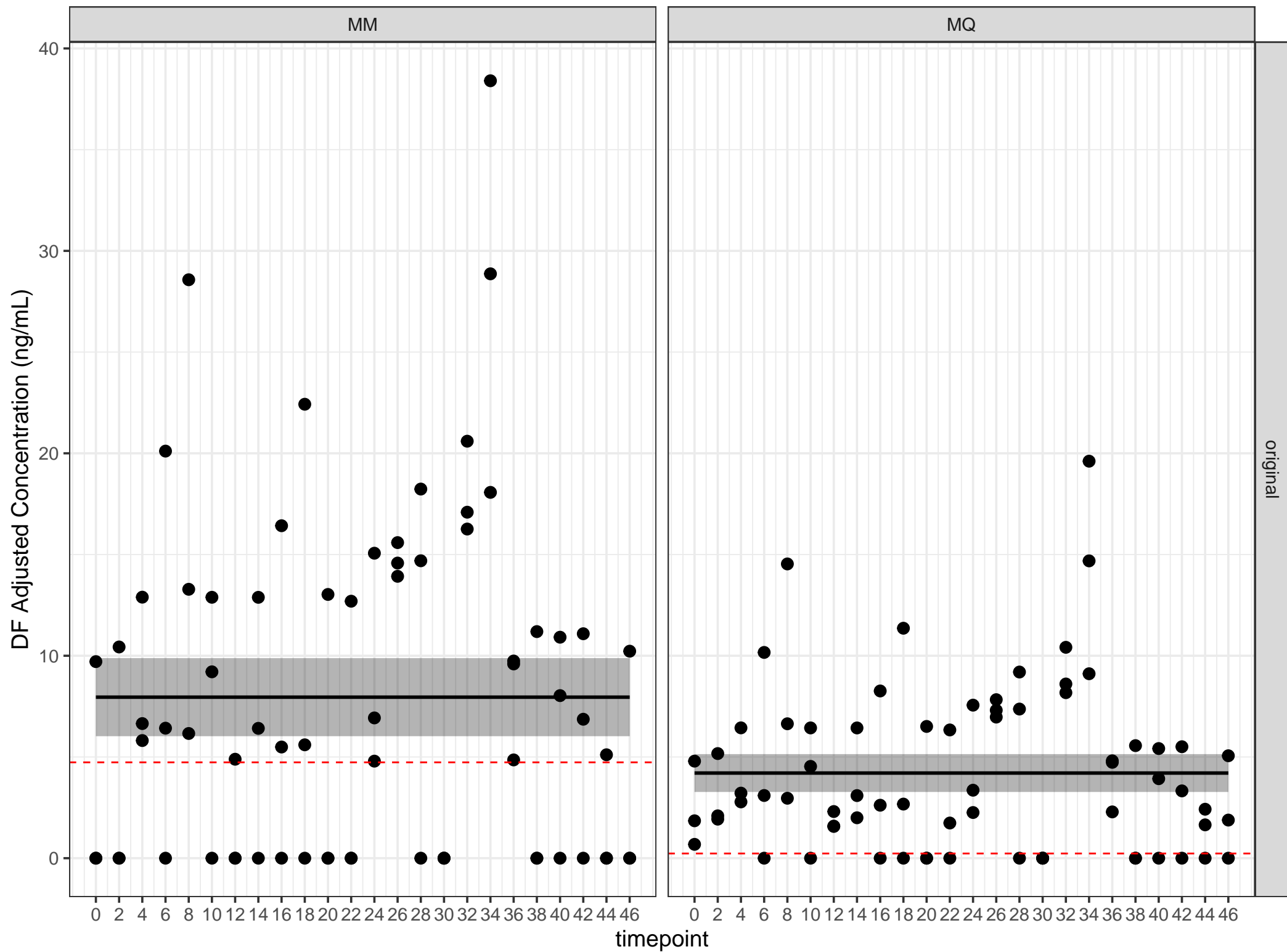
n-acetylglutamic acid



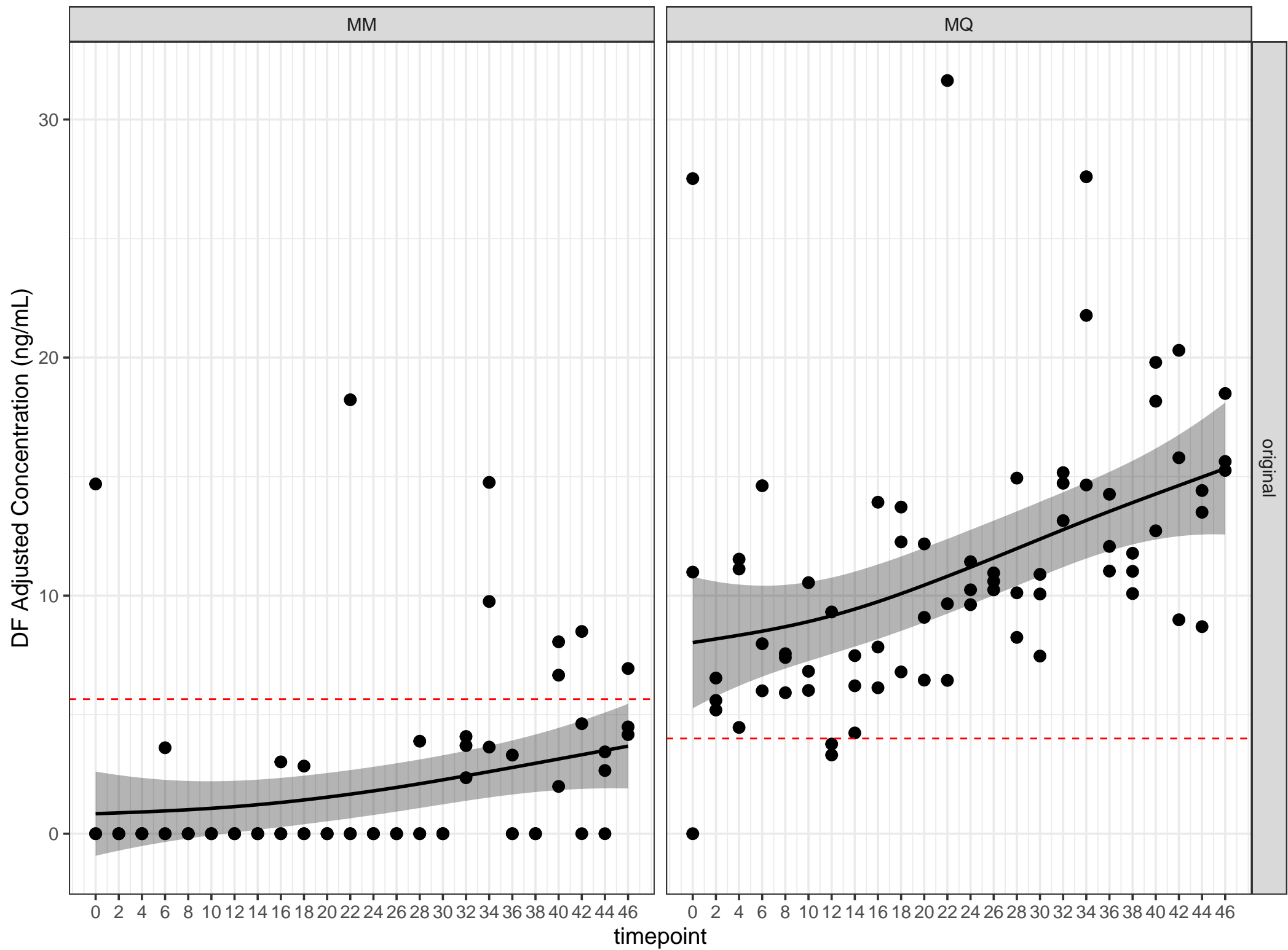
n-acetylmuramic acid276



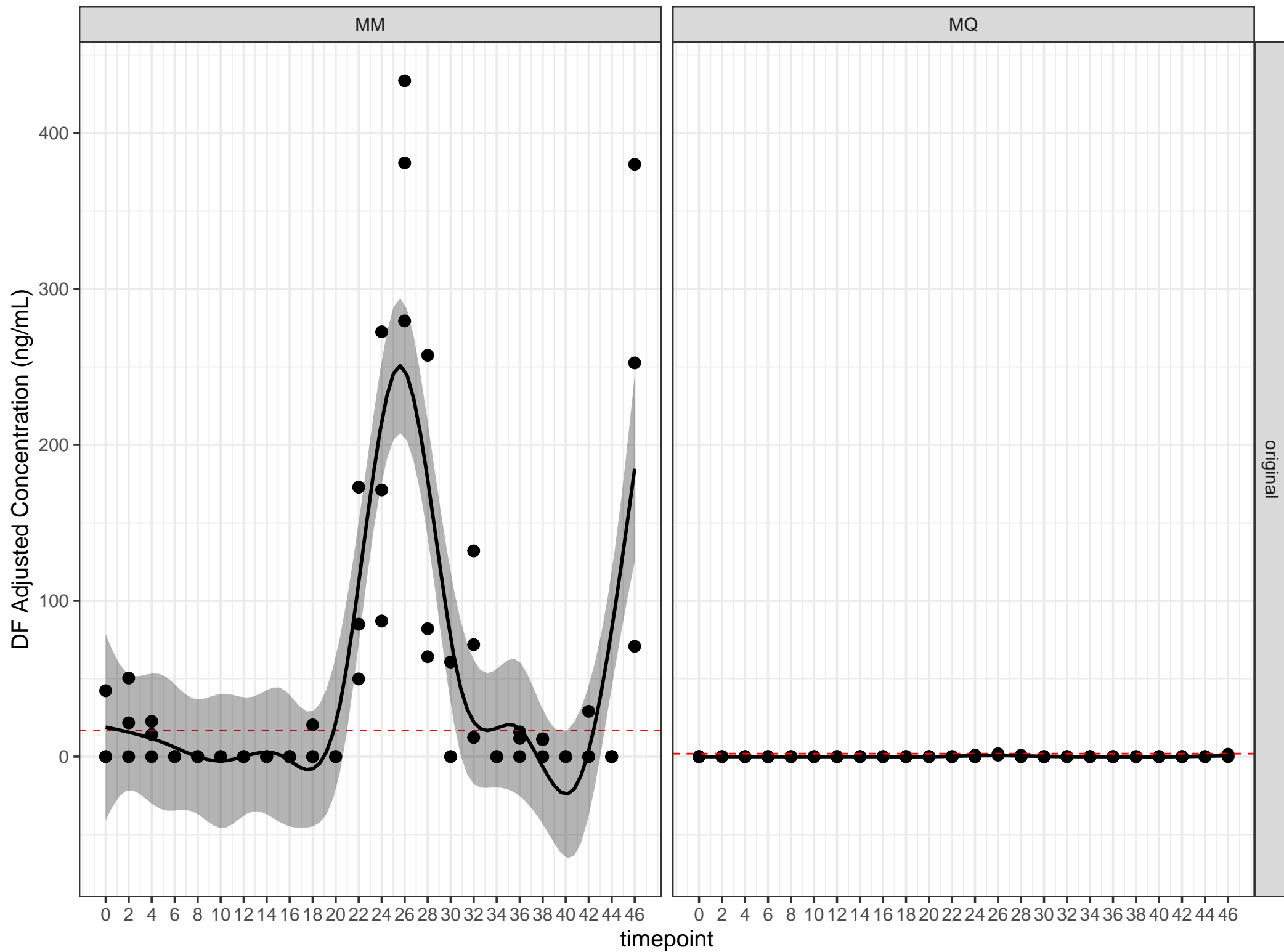
niacin



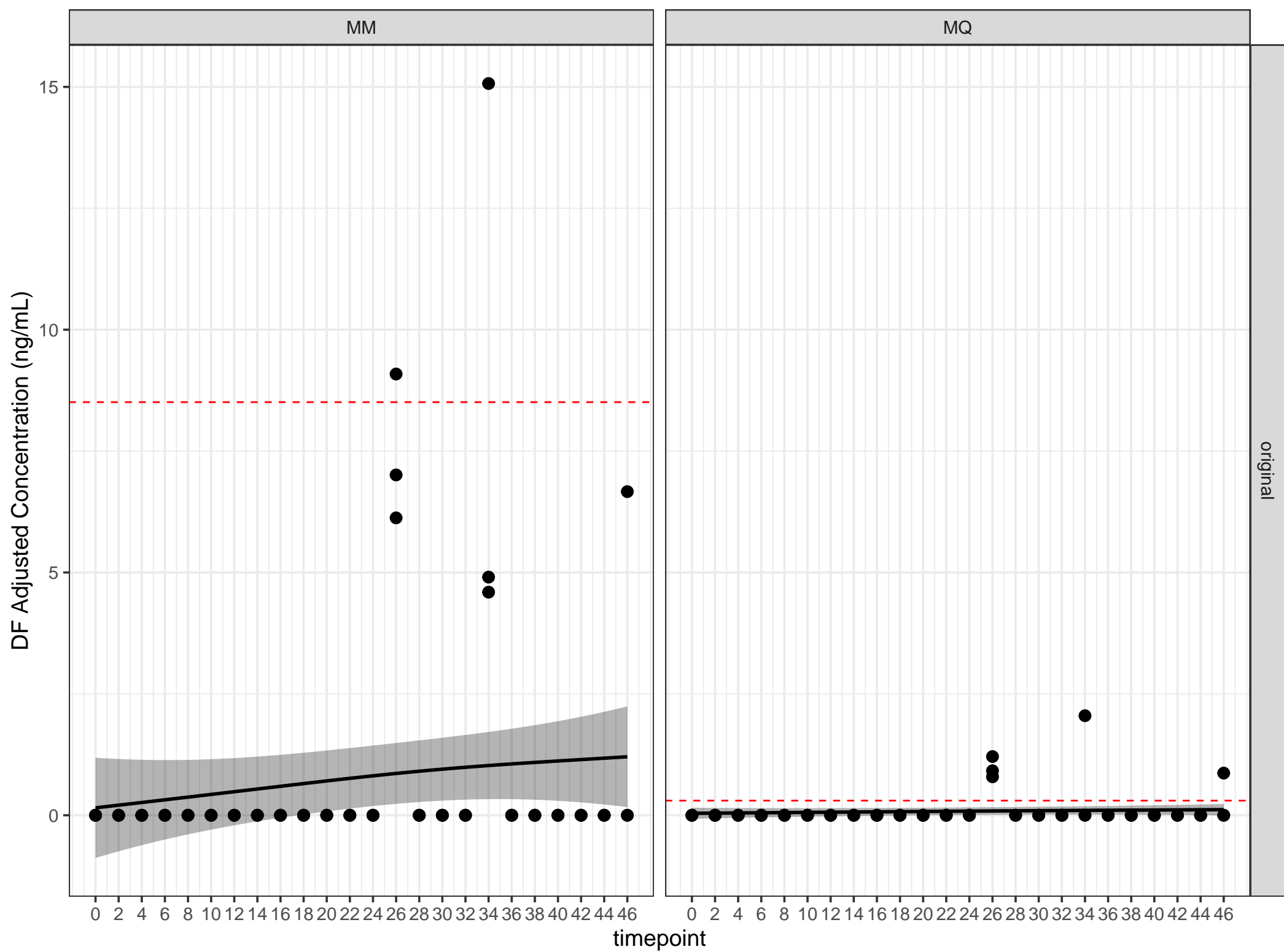
nicotinamide



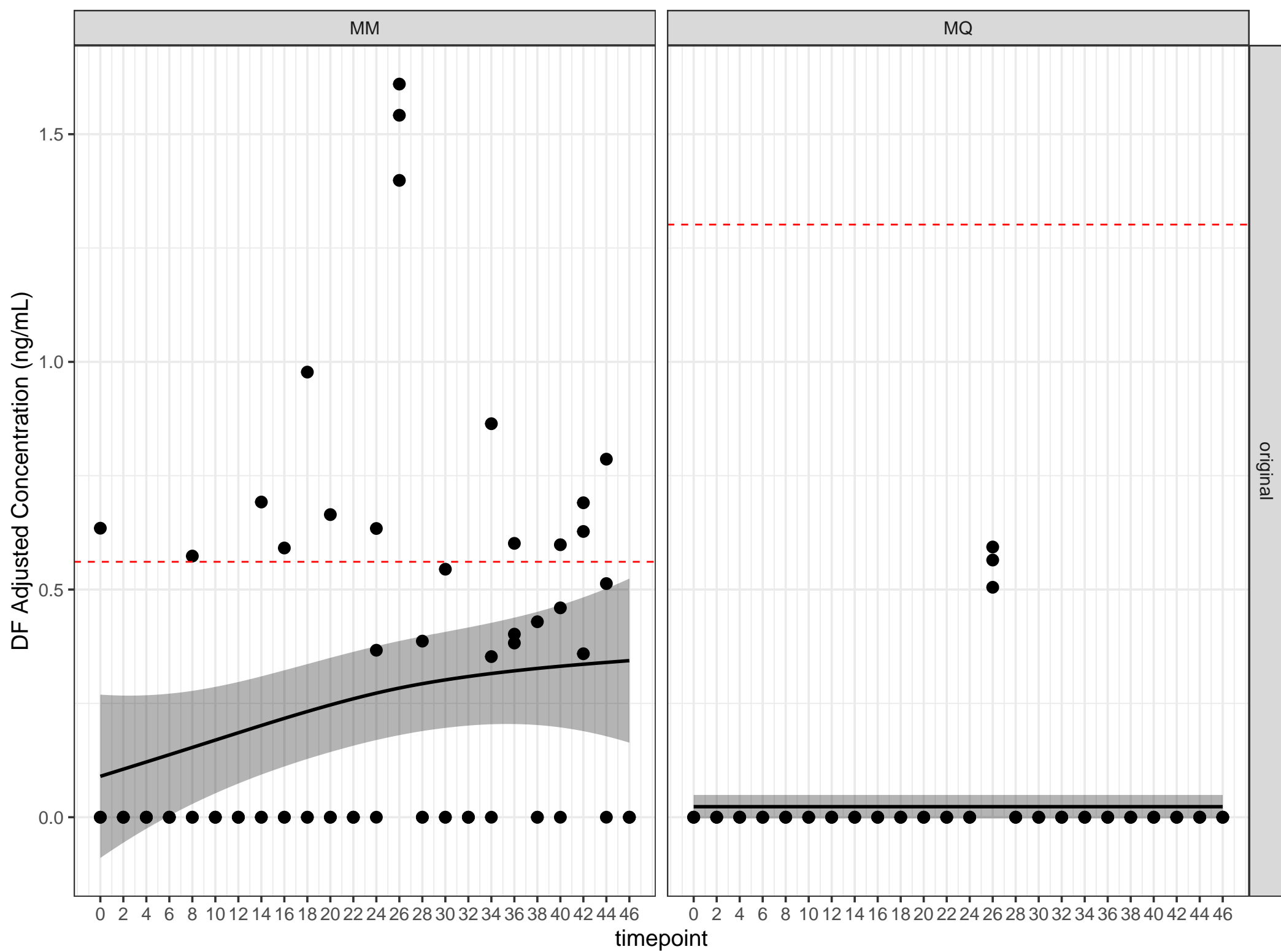
ornithine



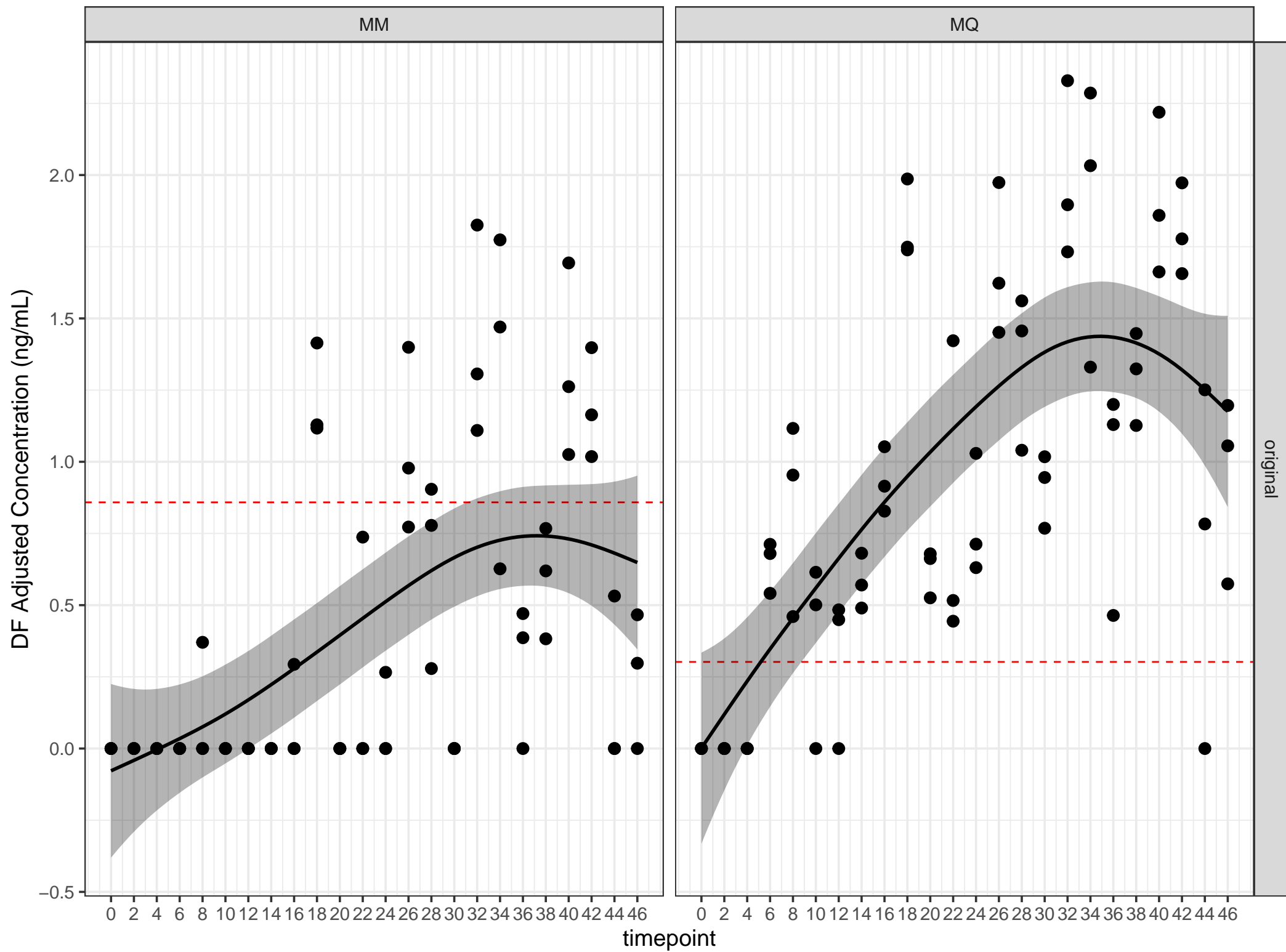
orotic acid



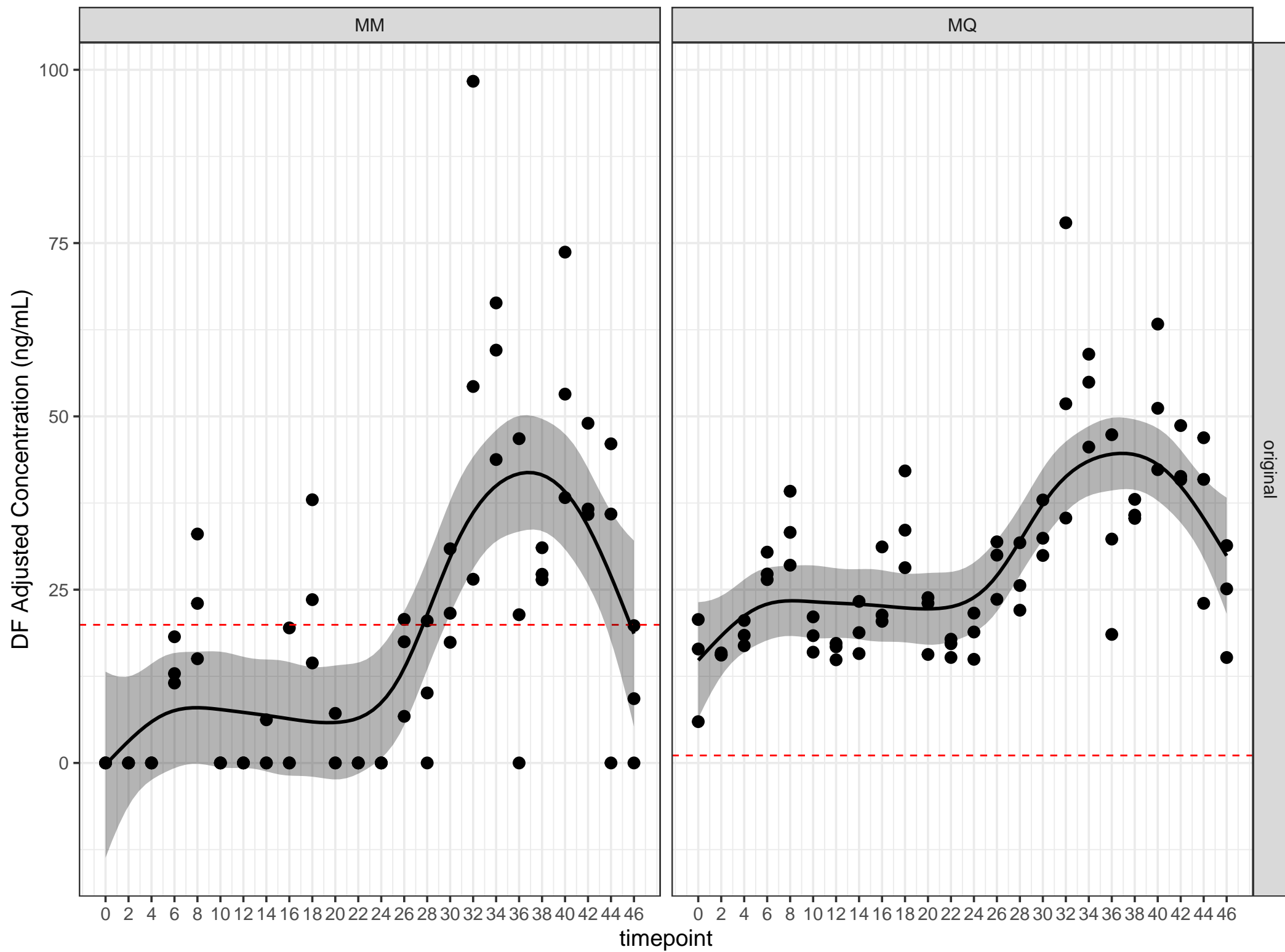
pantoic acid



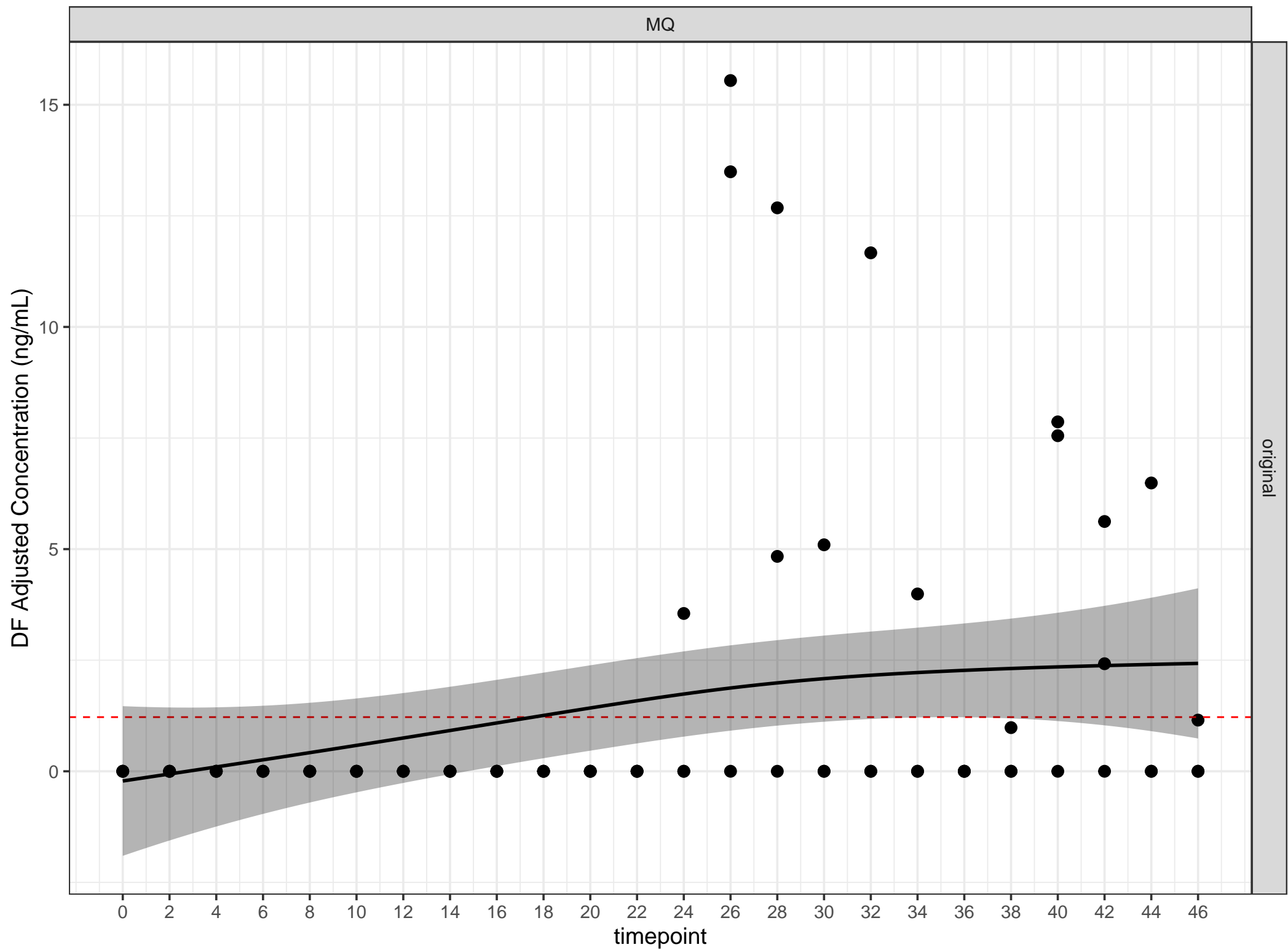
pantothenic acid neg



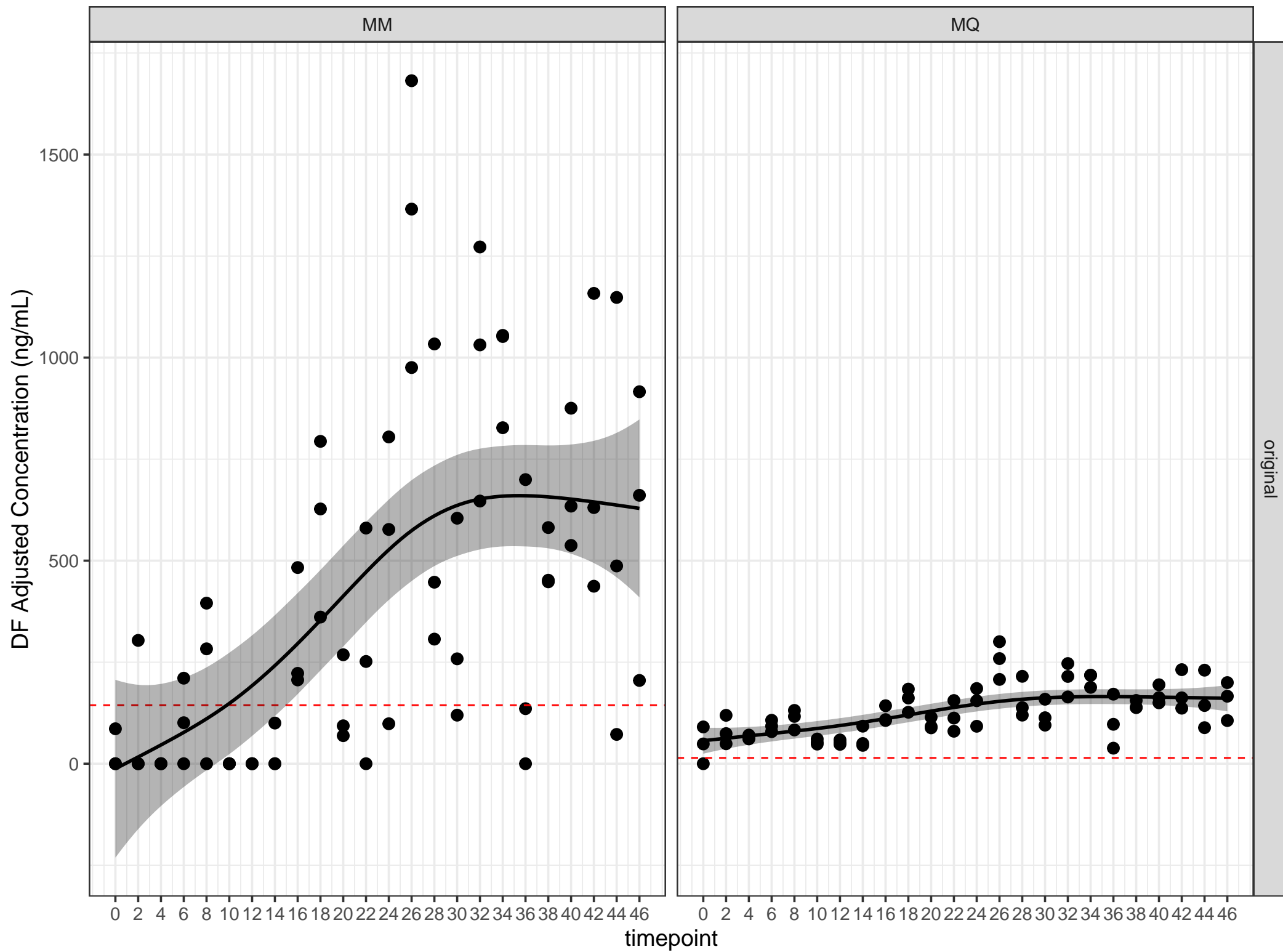
phenylalanine



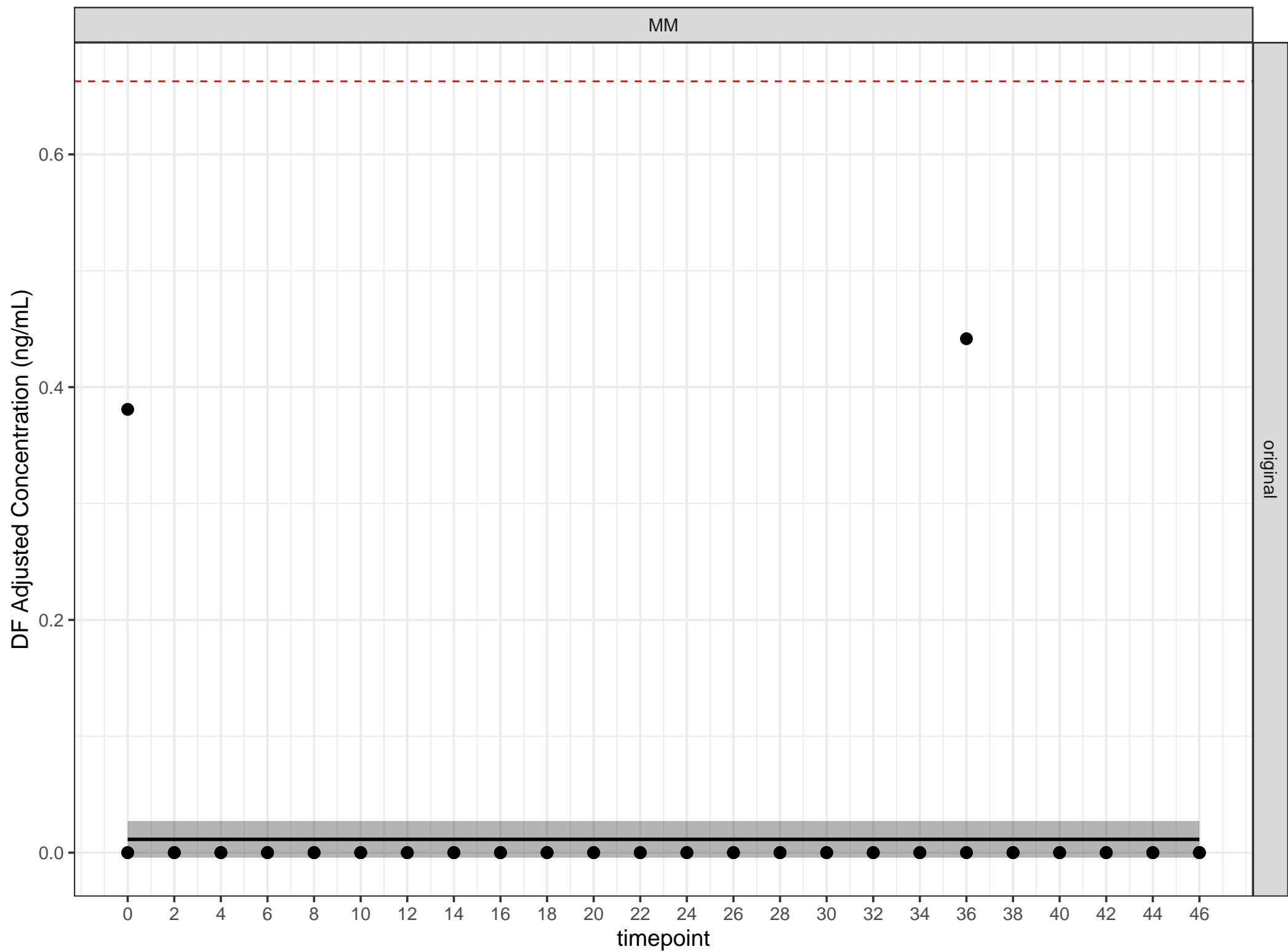
phosphoglyceric acid



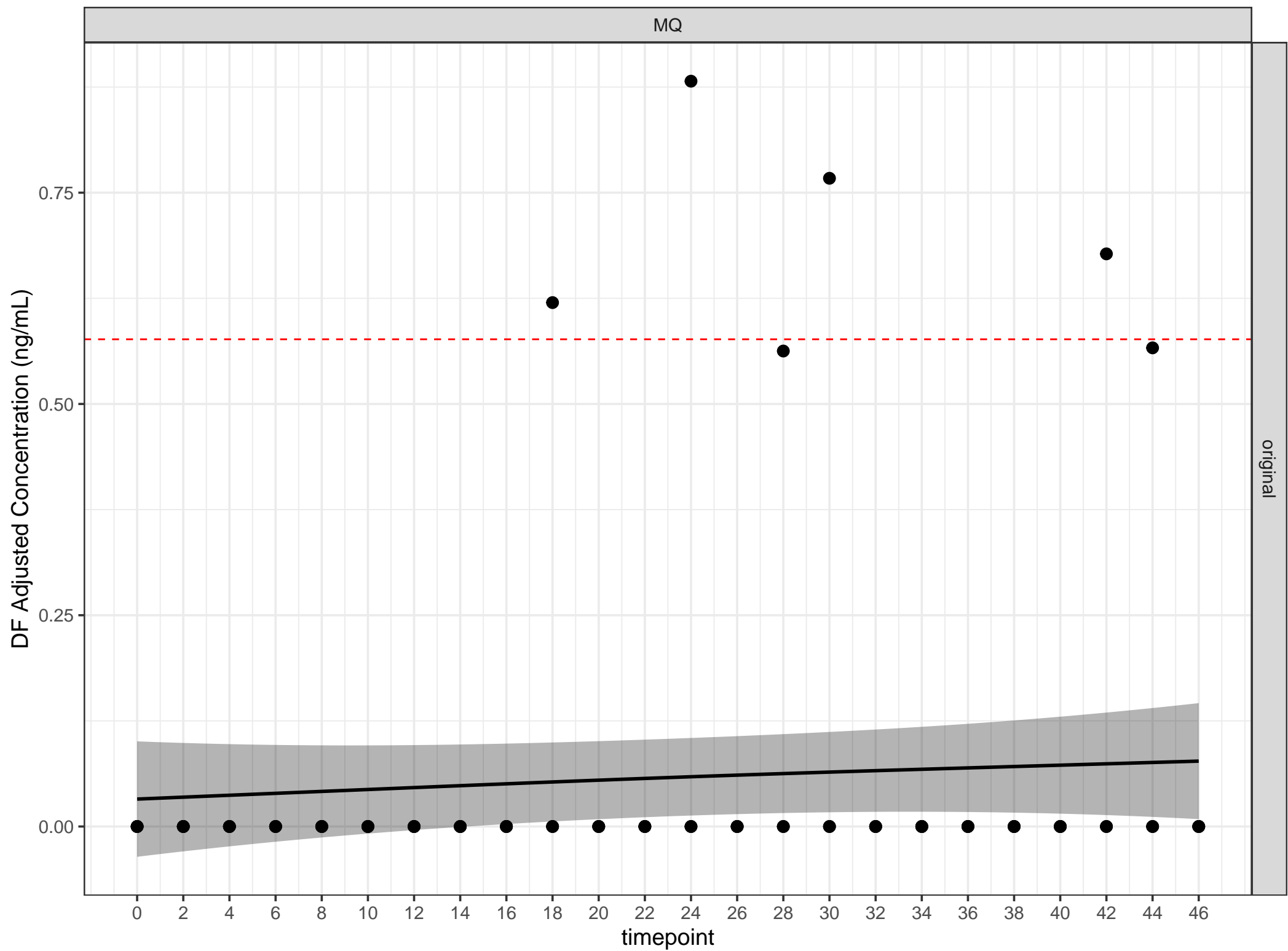
proline



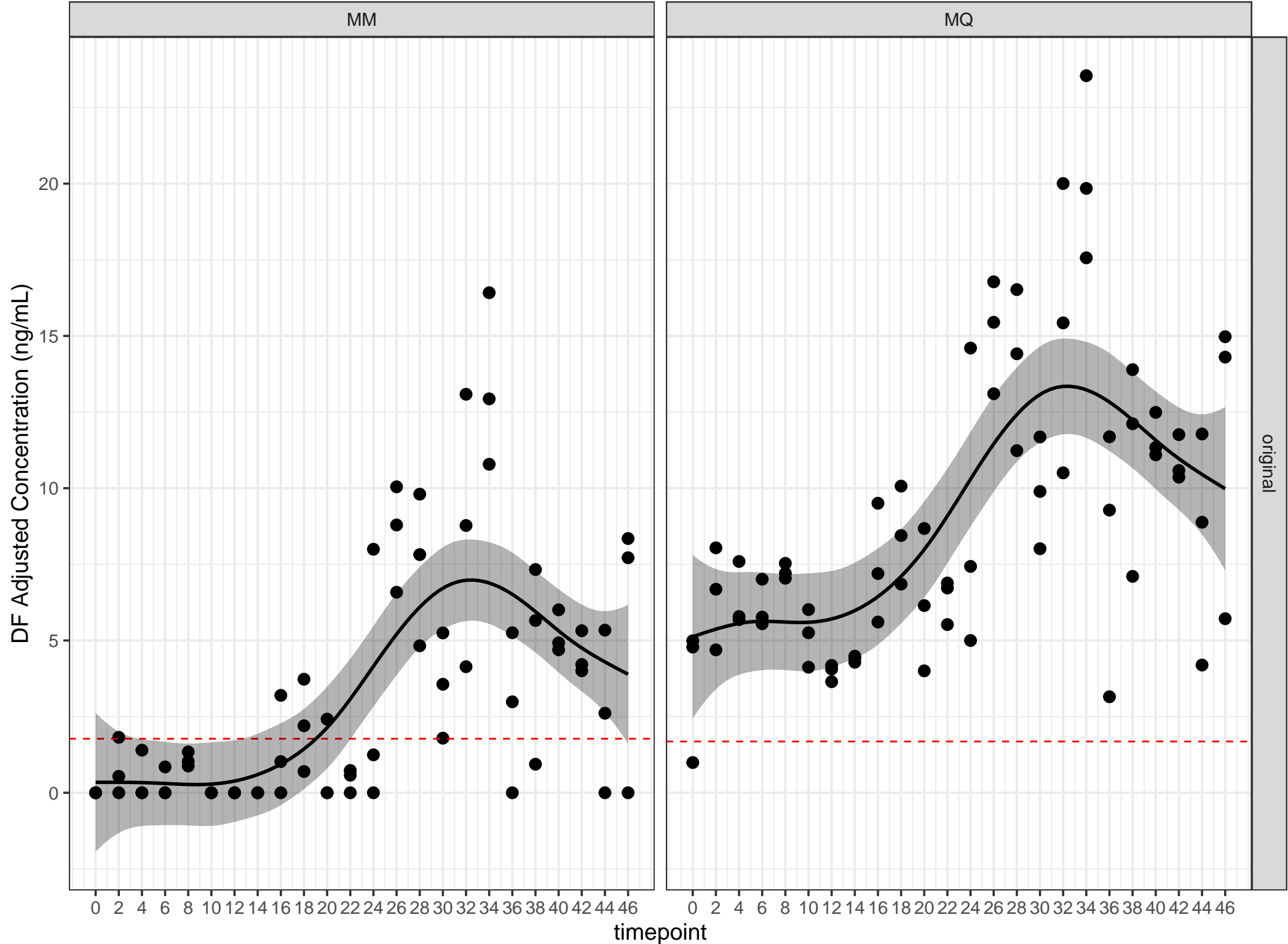
pyridoxine



ribose-5-phosphate



s-(5'-adenosyl)-L-homocysteine pos



s-adenosyl-l-methionine

DF Adjusted Concentration (ng/mL)

MM

MQ

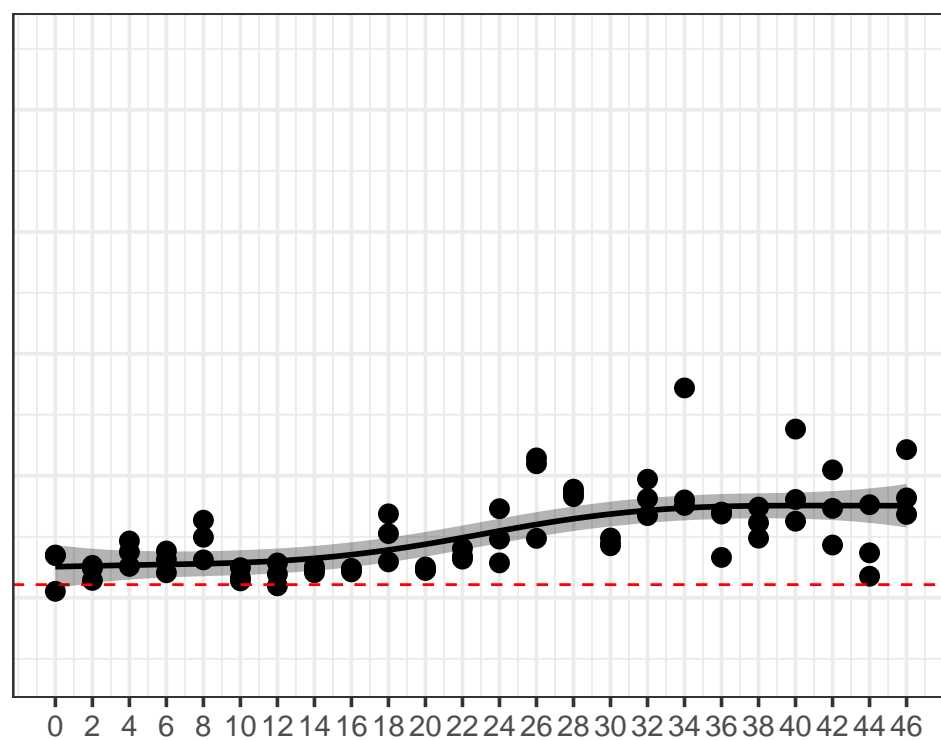
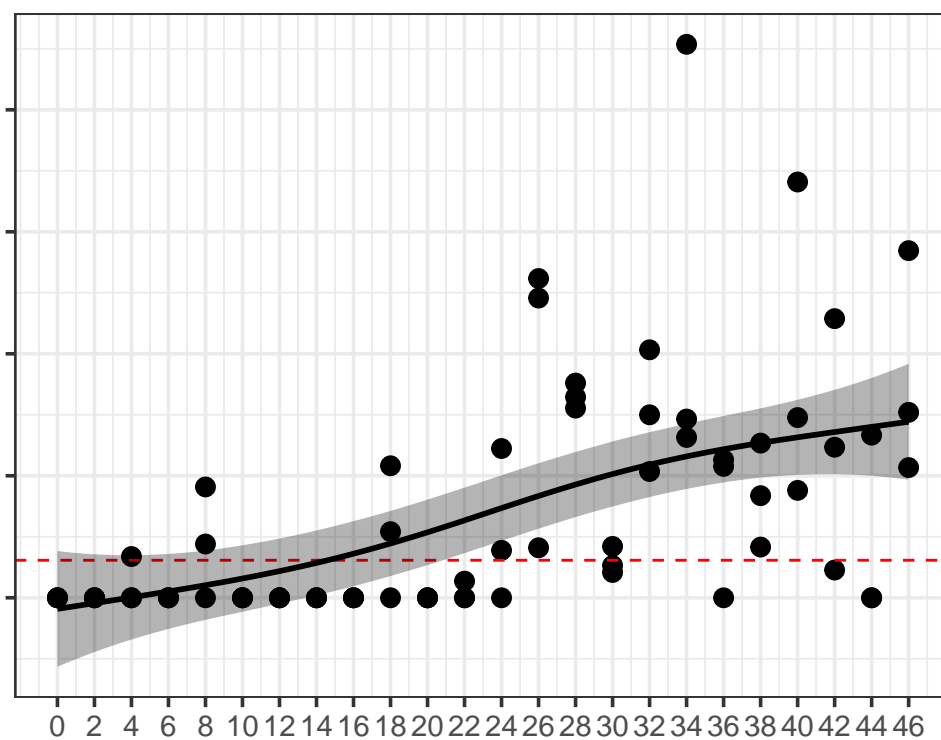
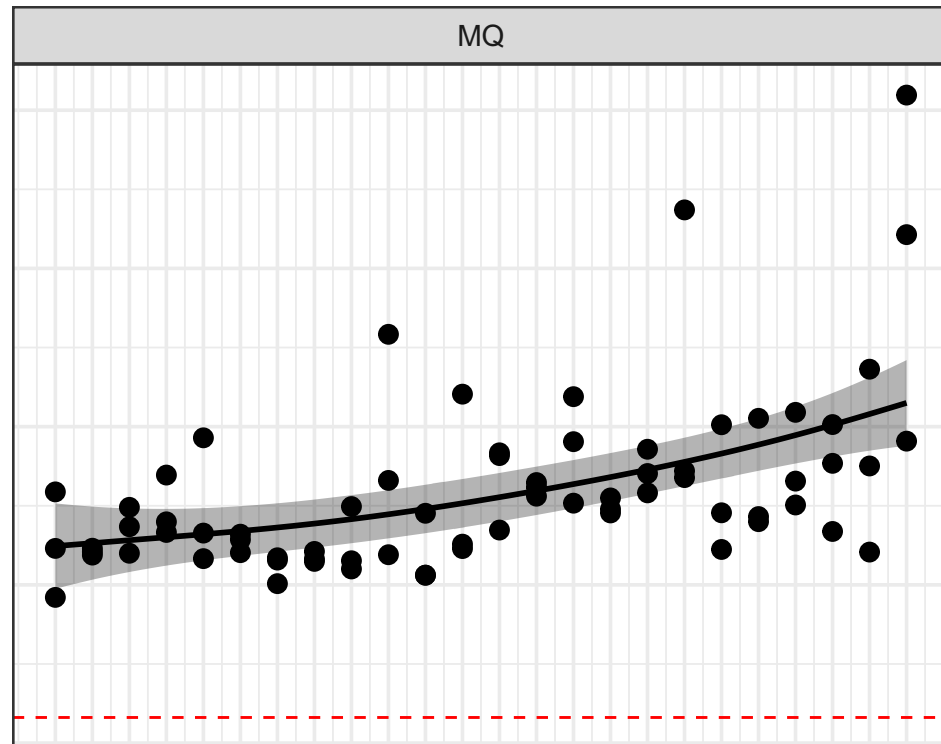
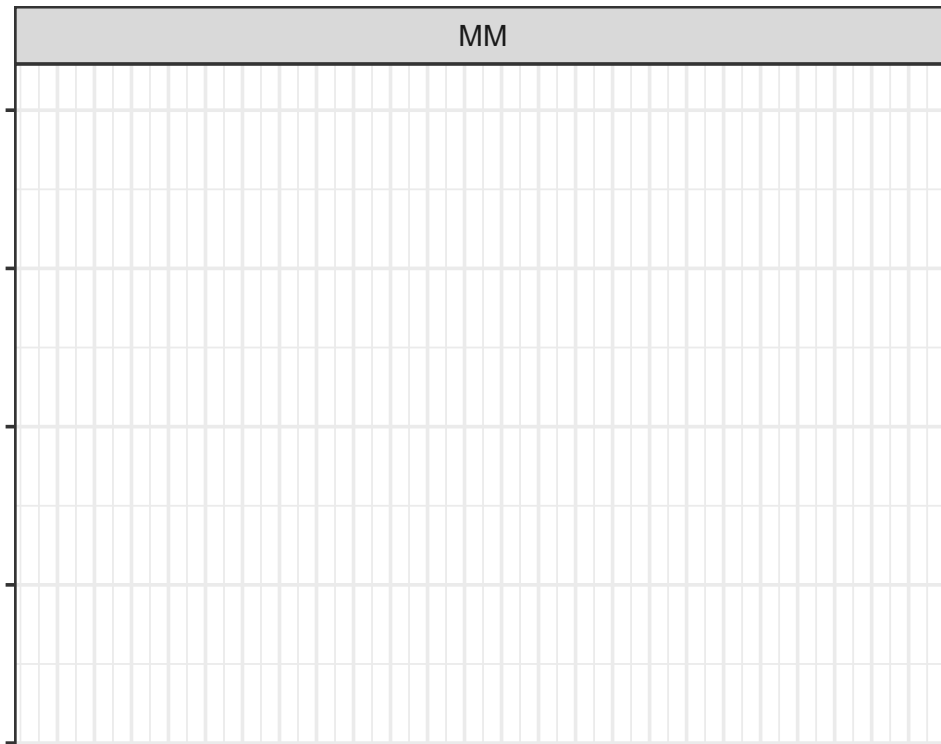
df10x

original

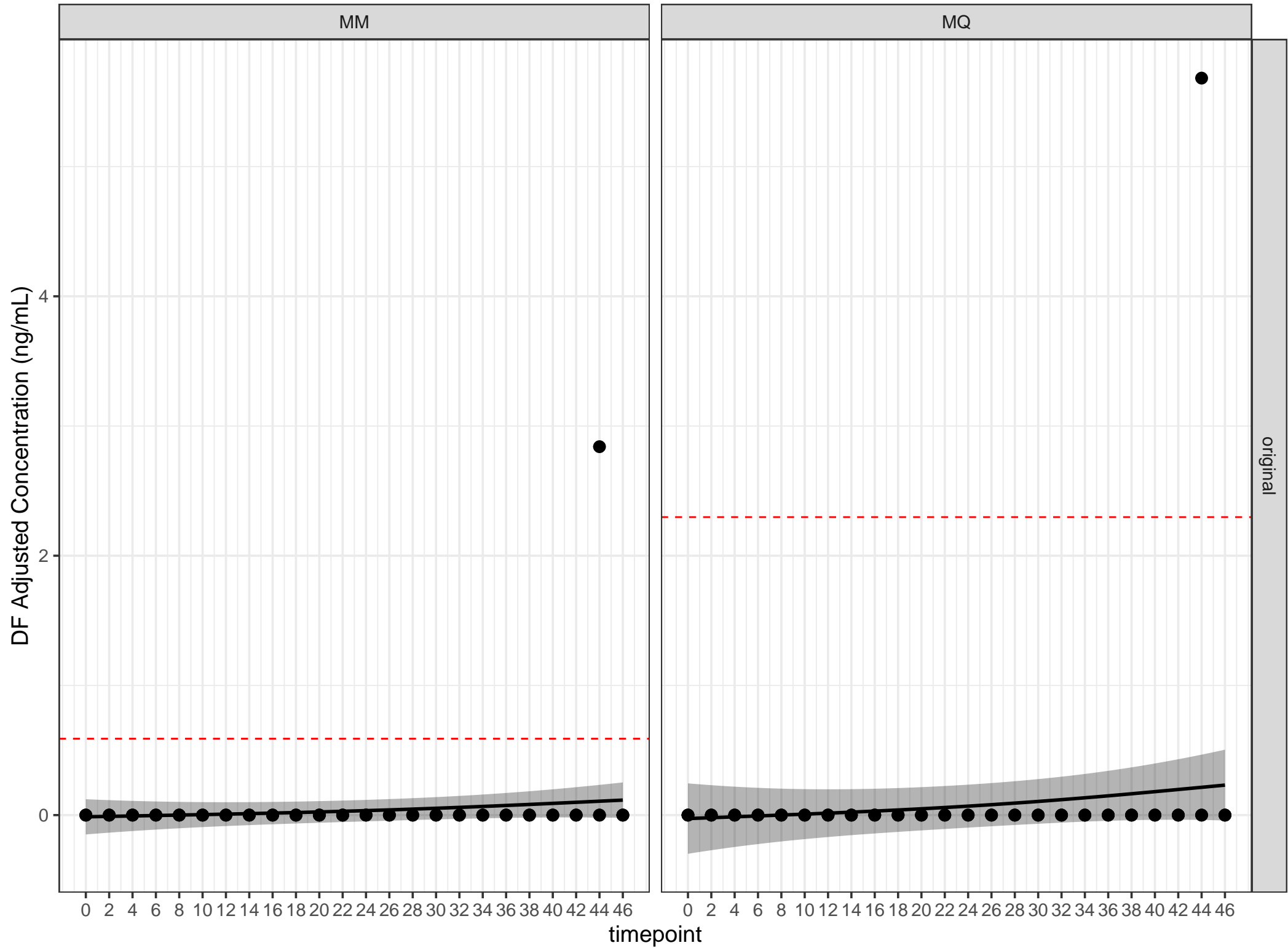
1000
750
500
250
0

4000
3000
2000
1000
0

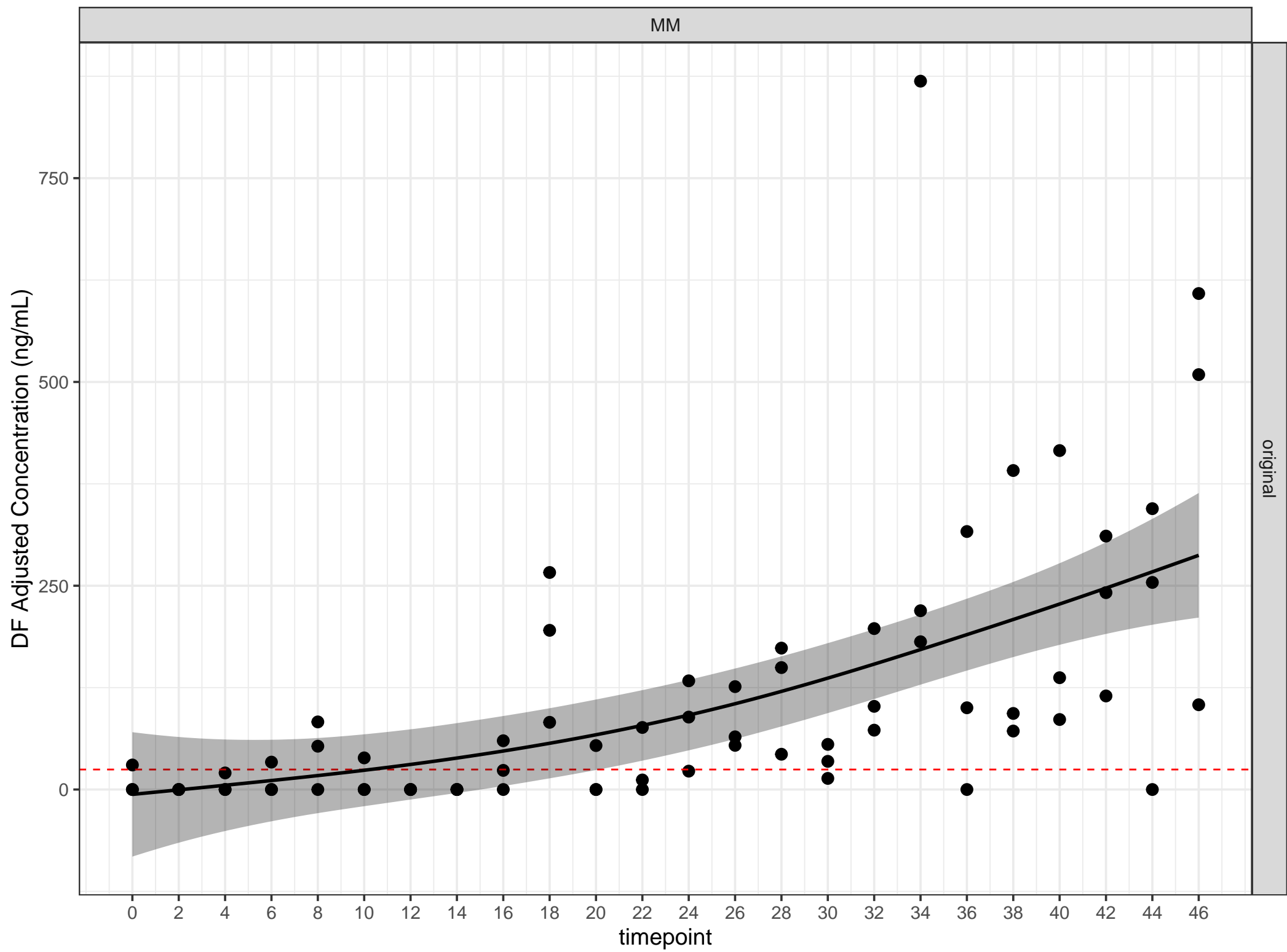
timepoint



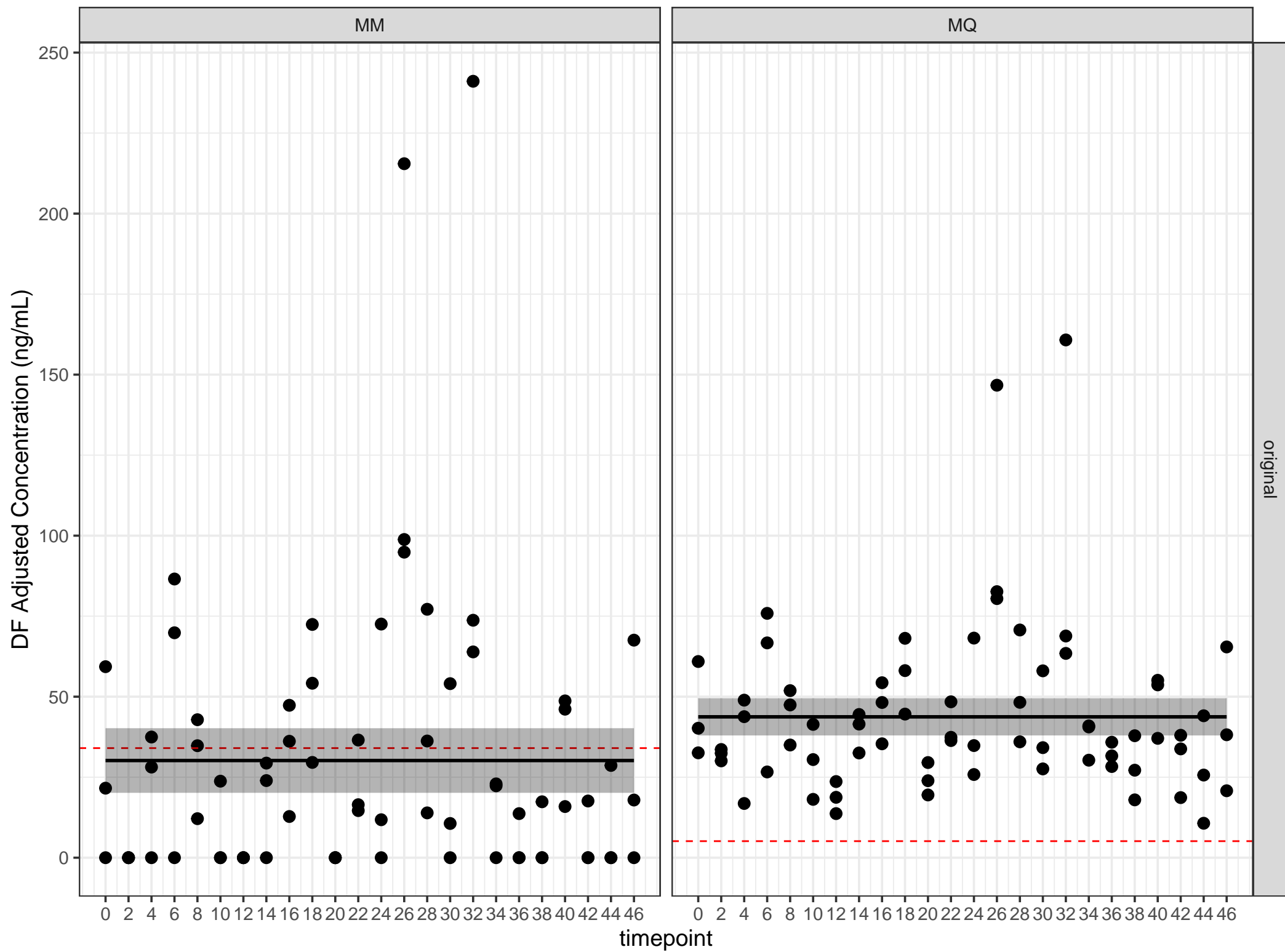
sodium taurocholate



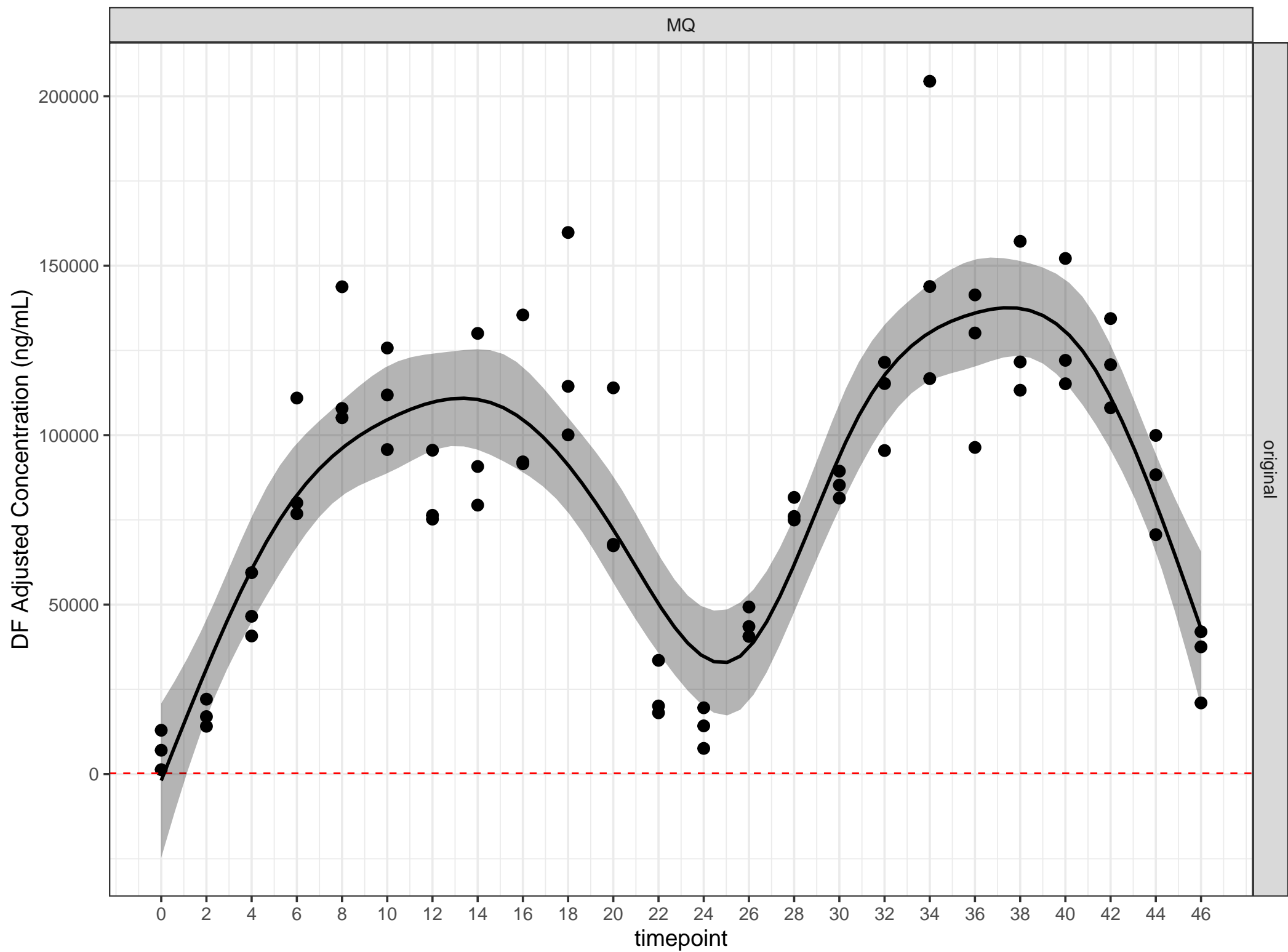
spermidine



succinic acid

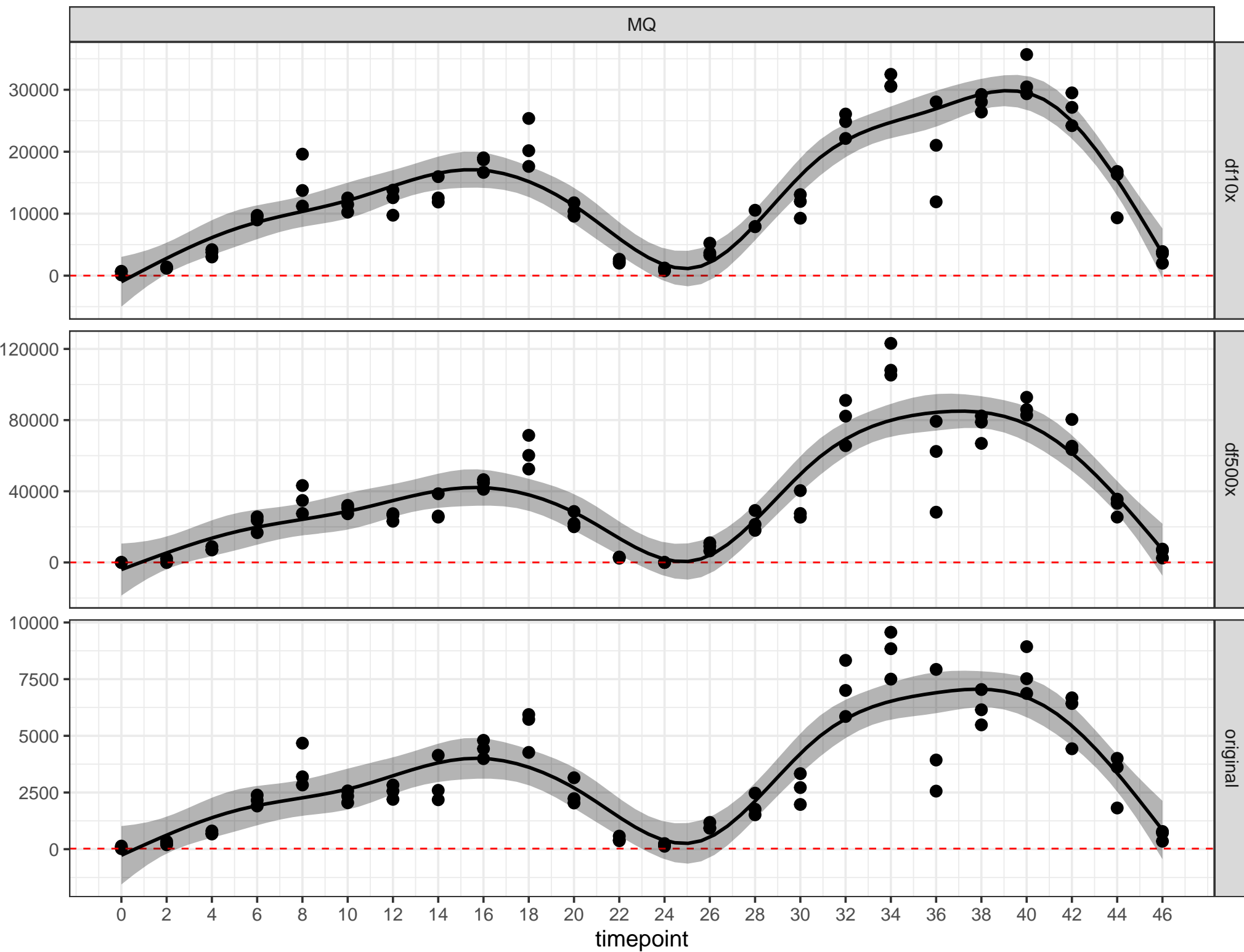


sucrose pos

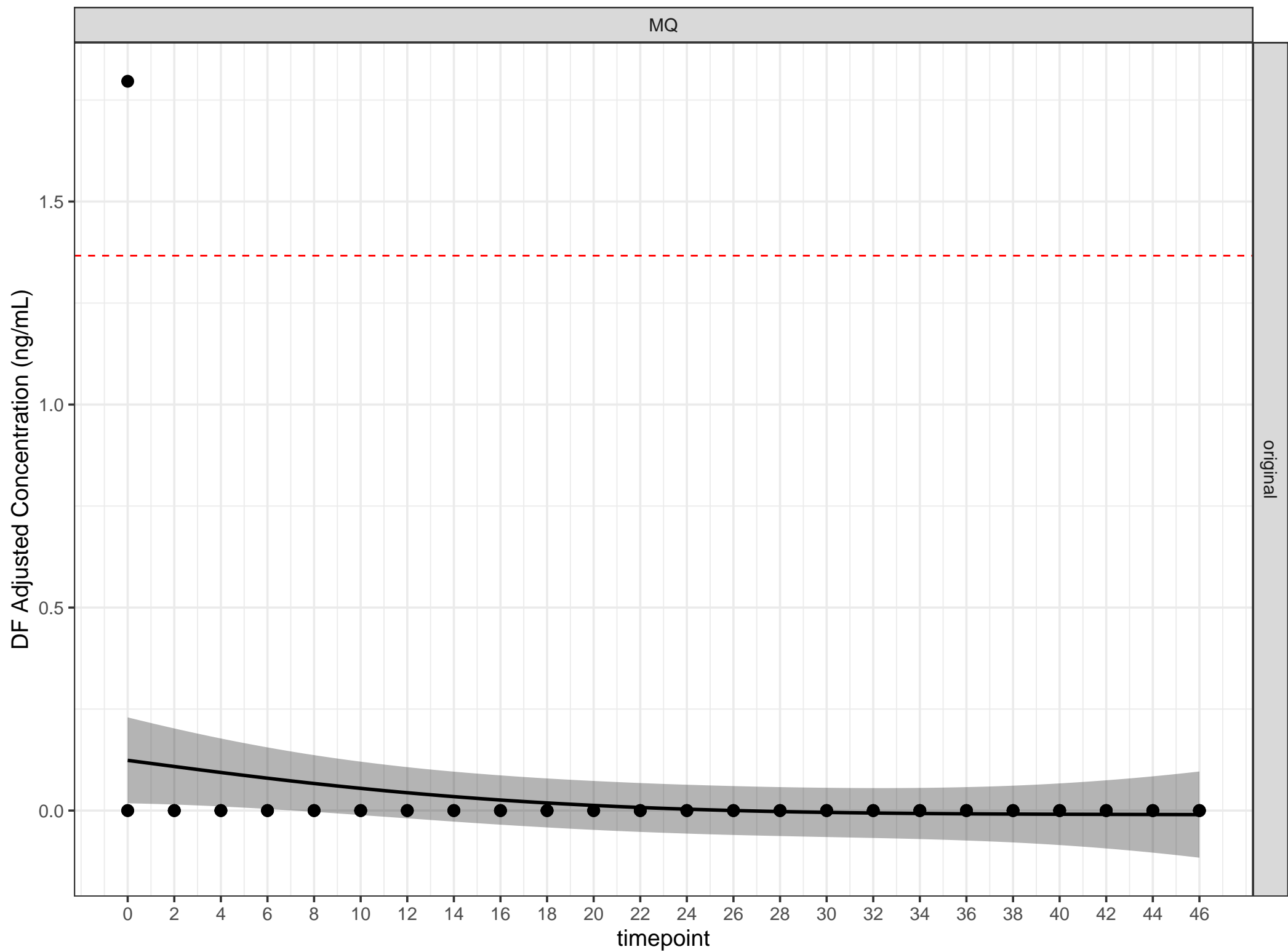


sucrose387 neg

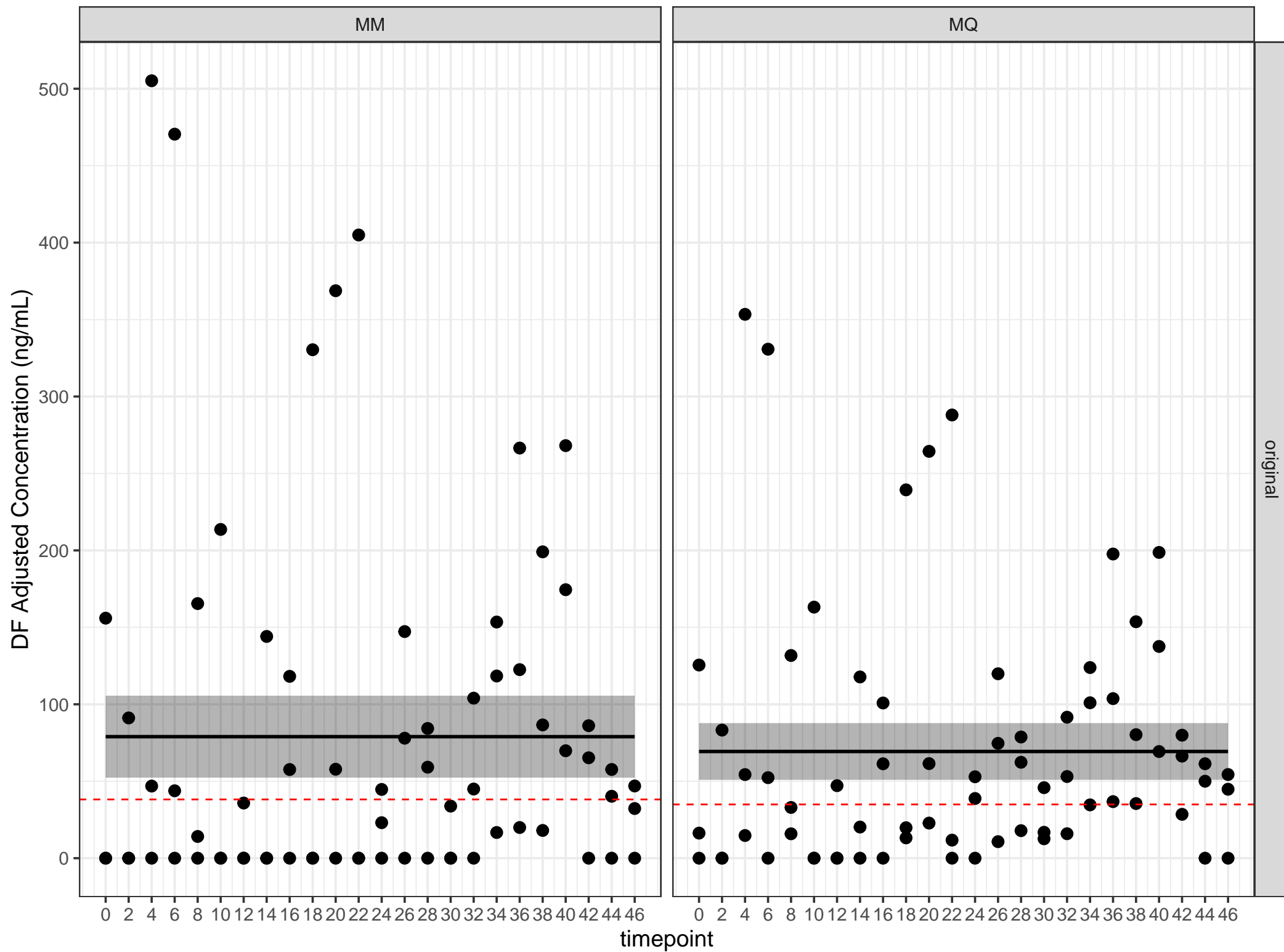
DF Adjusted Concentration (ng/mL)



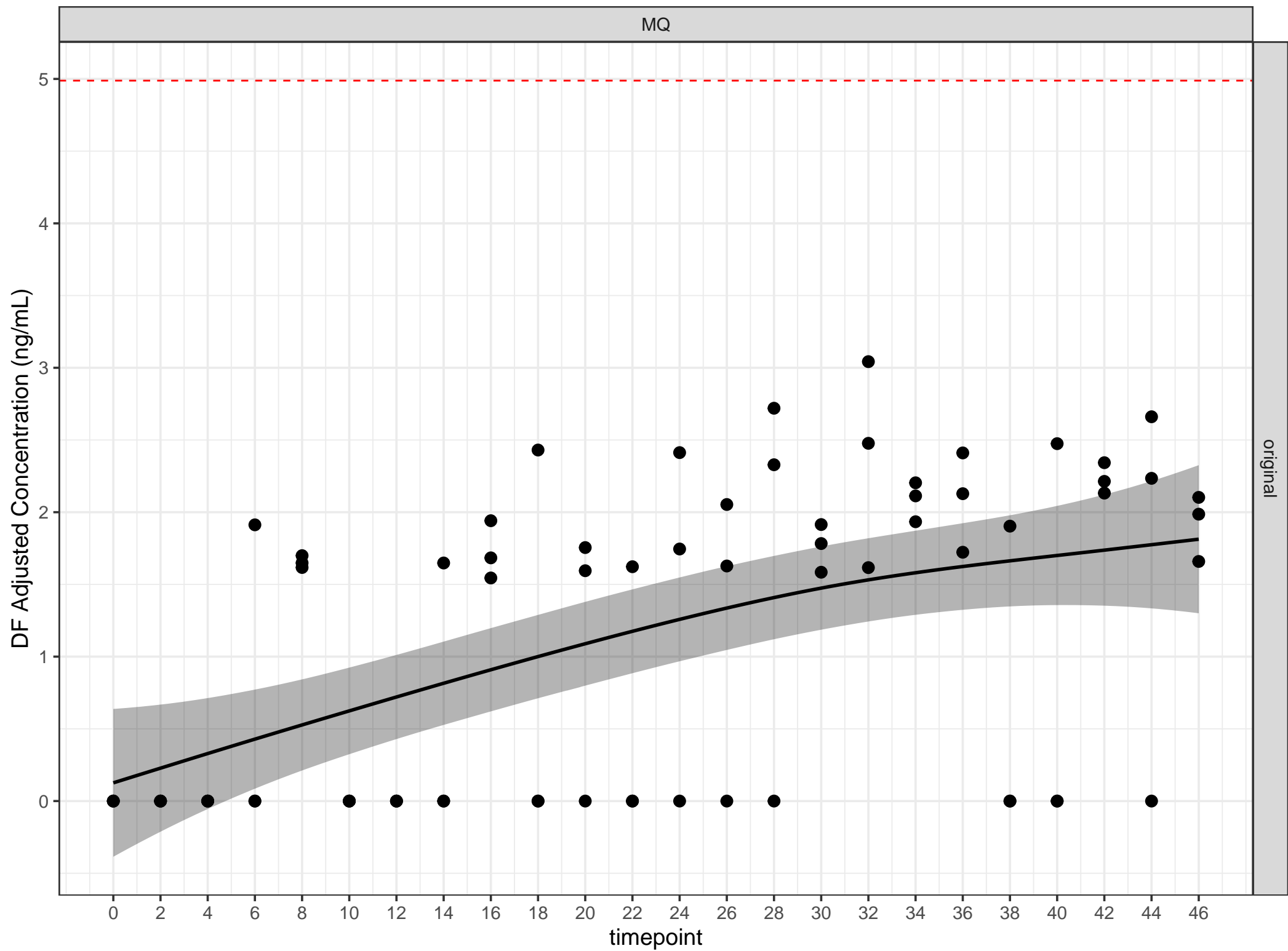
syringic acid



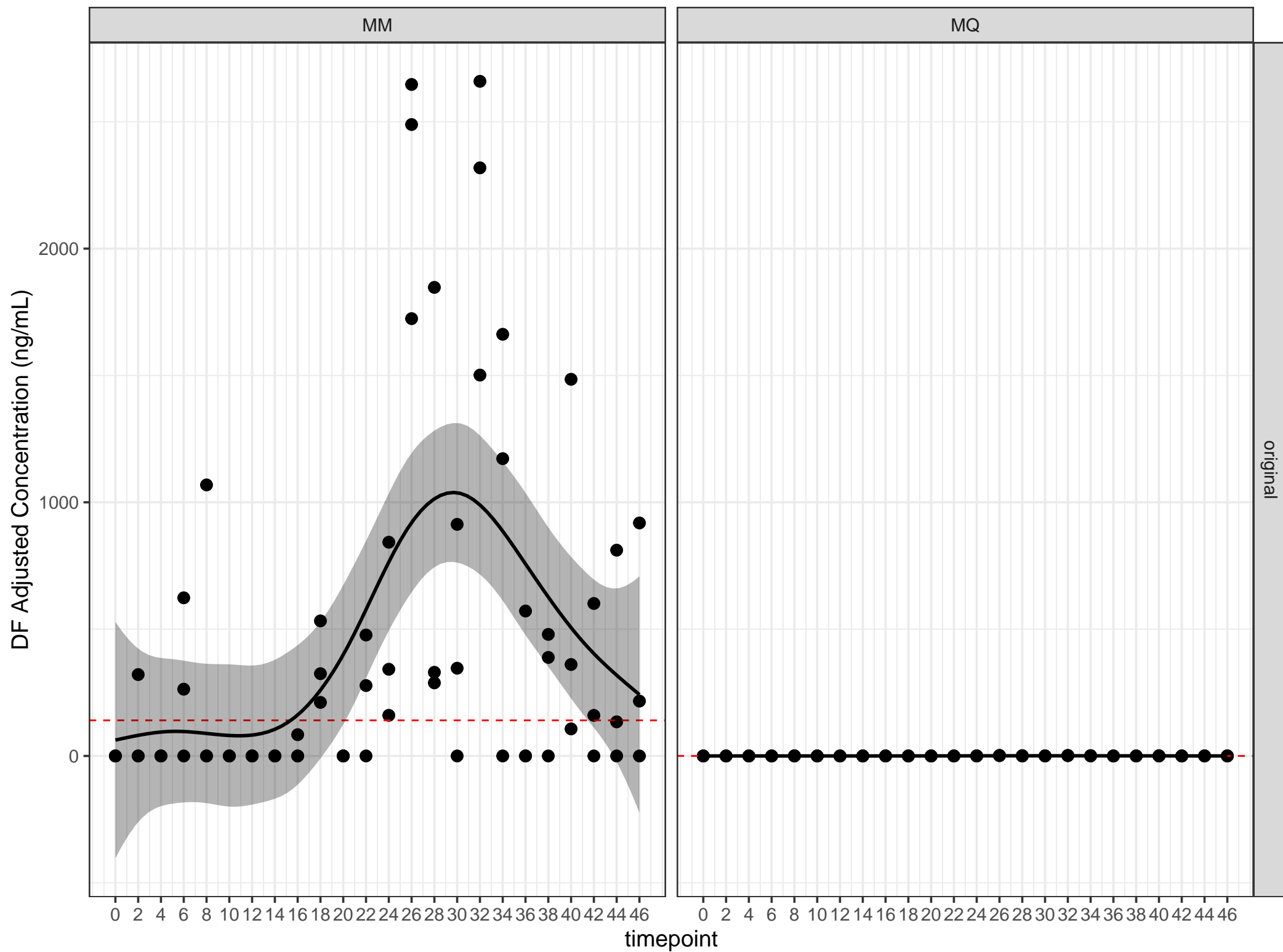
tetrahydrobiopterin240



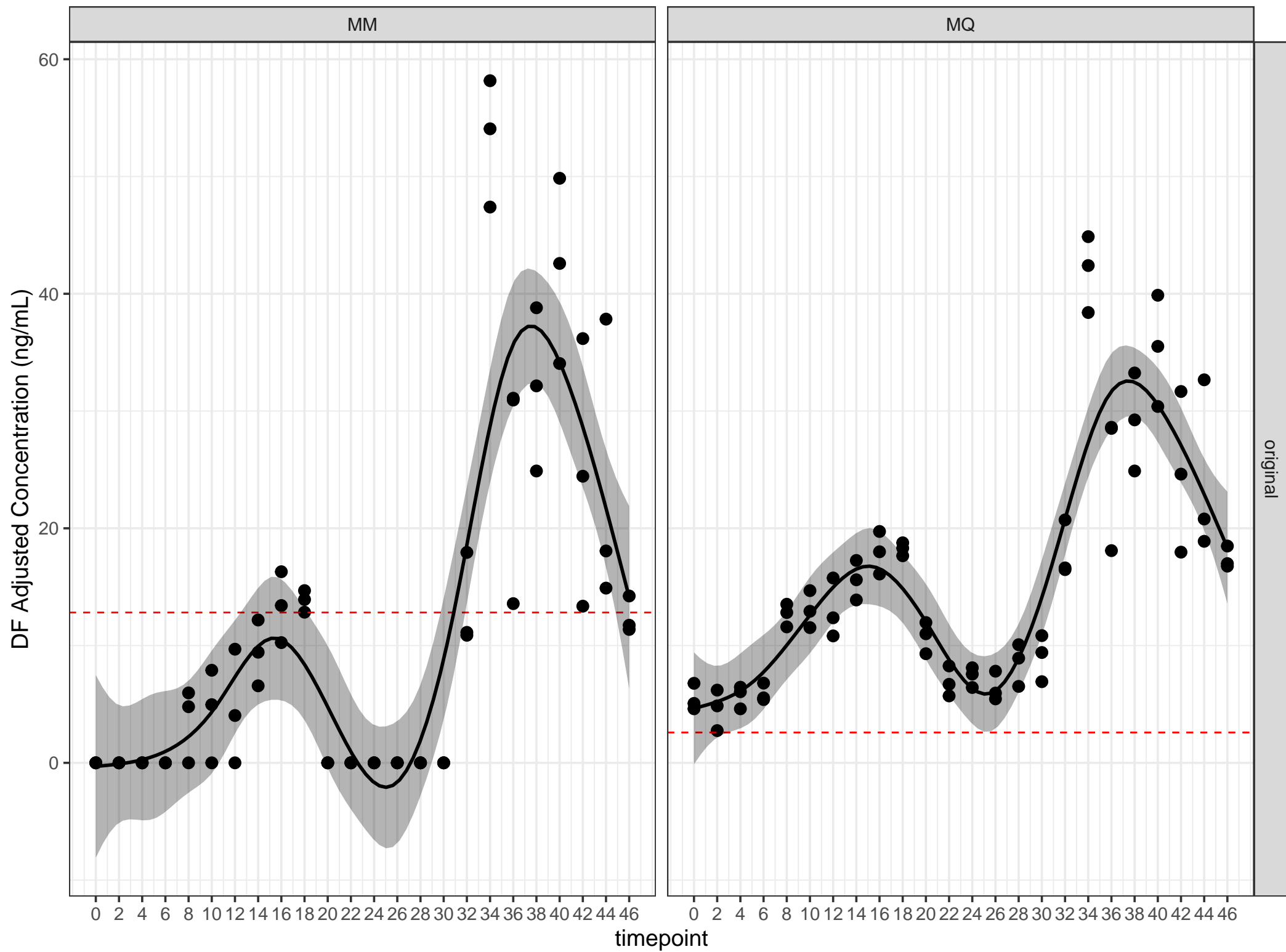
thiamine



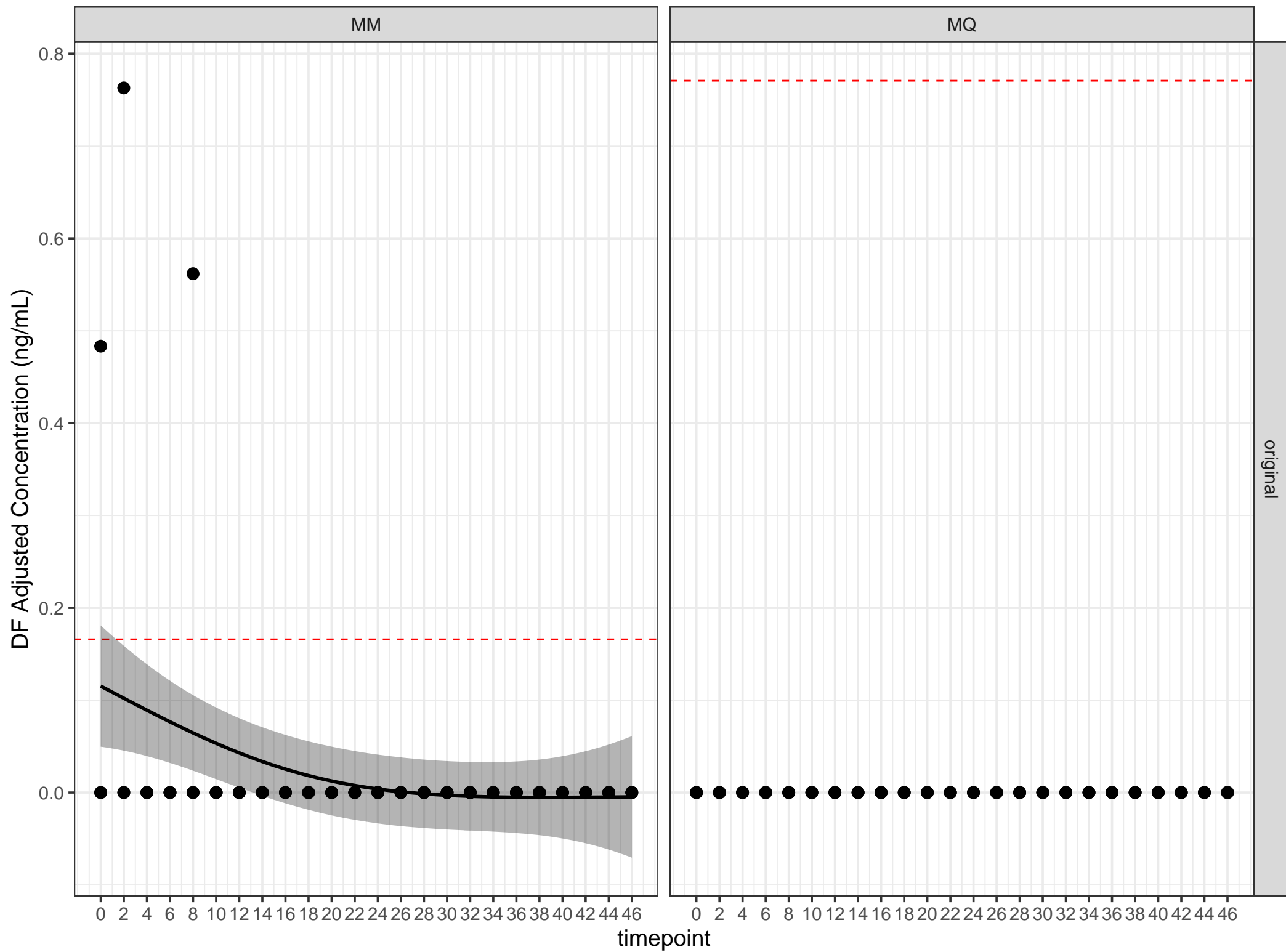
threonine (isom. homoserine)



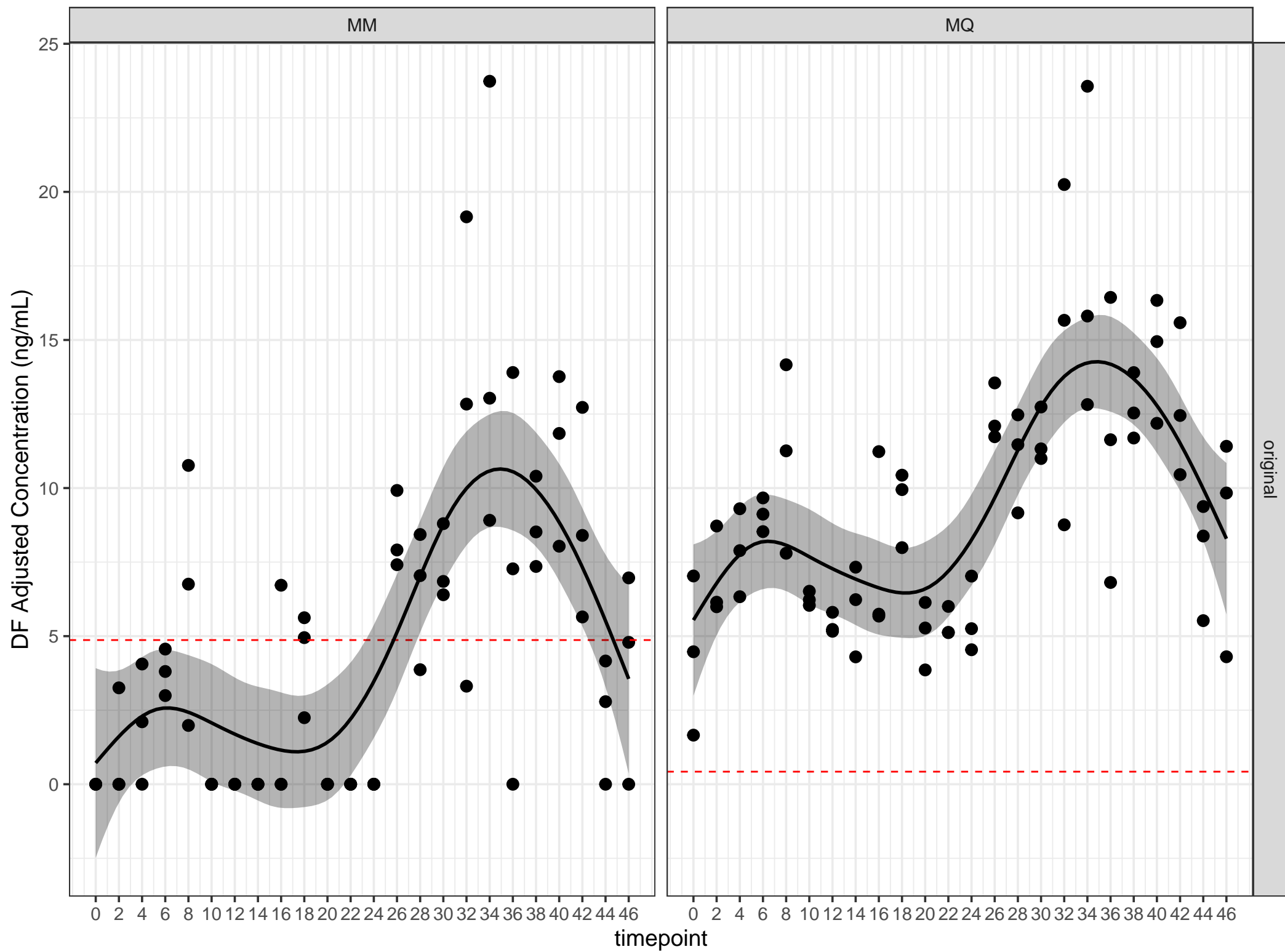
thymidine



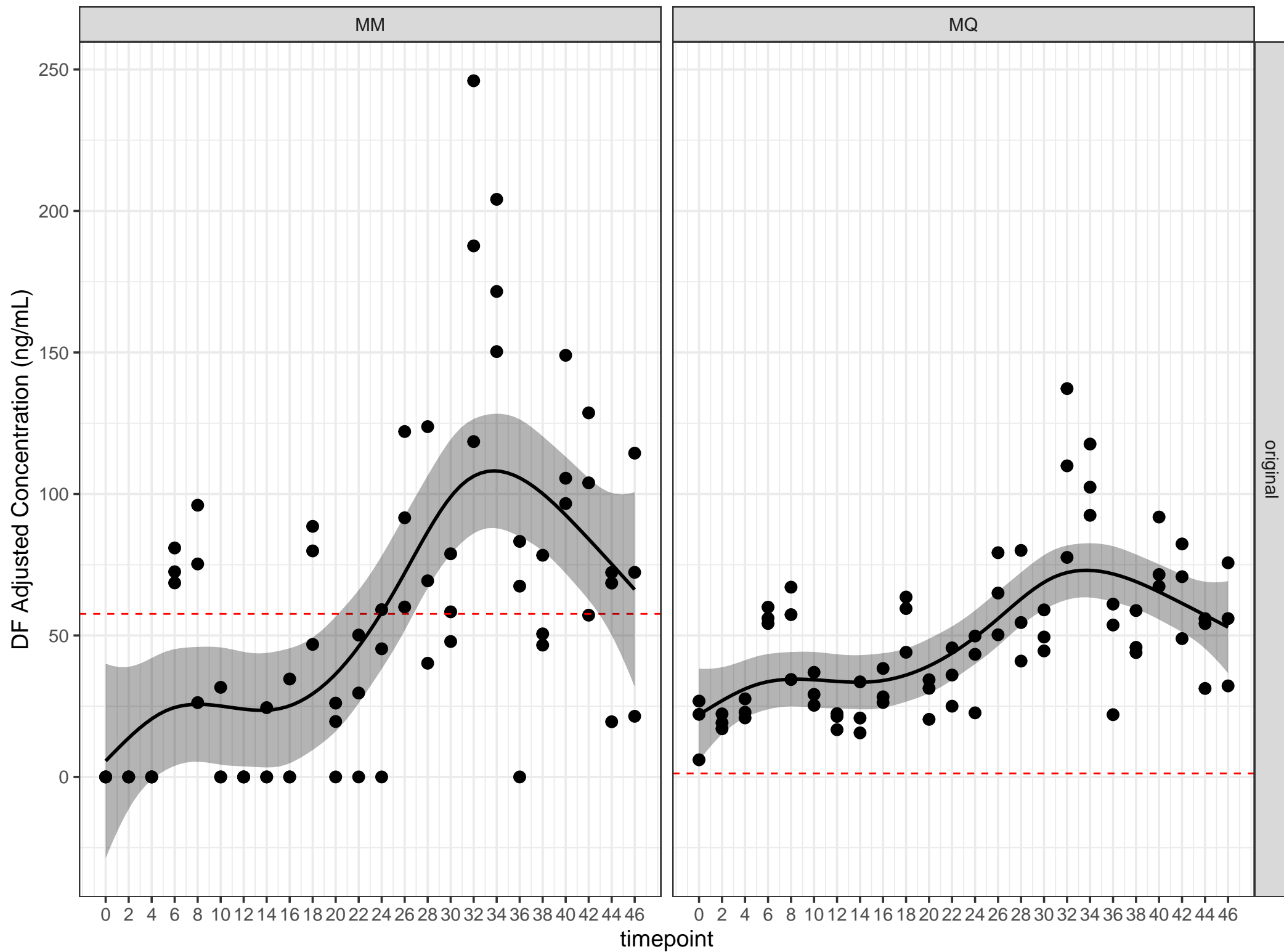
trigonelline



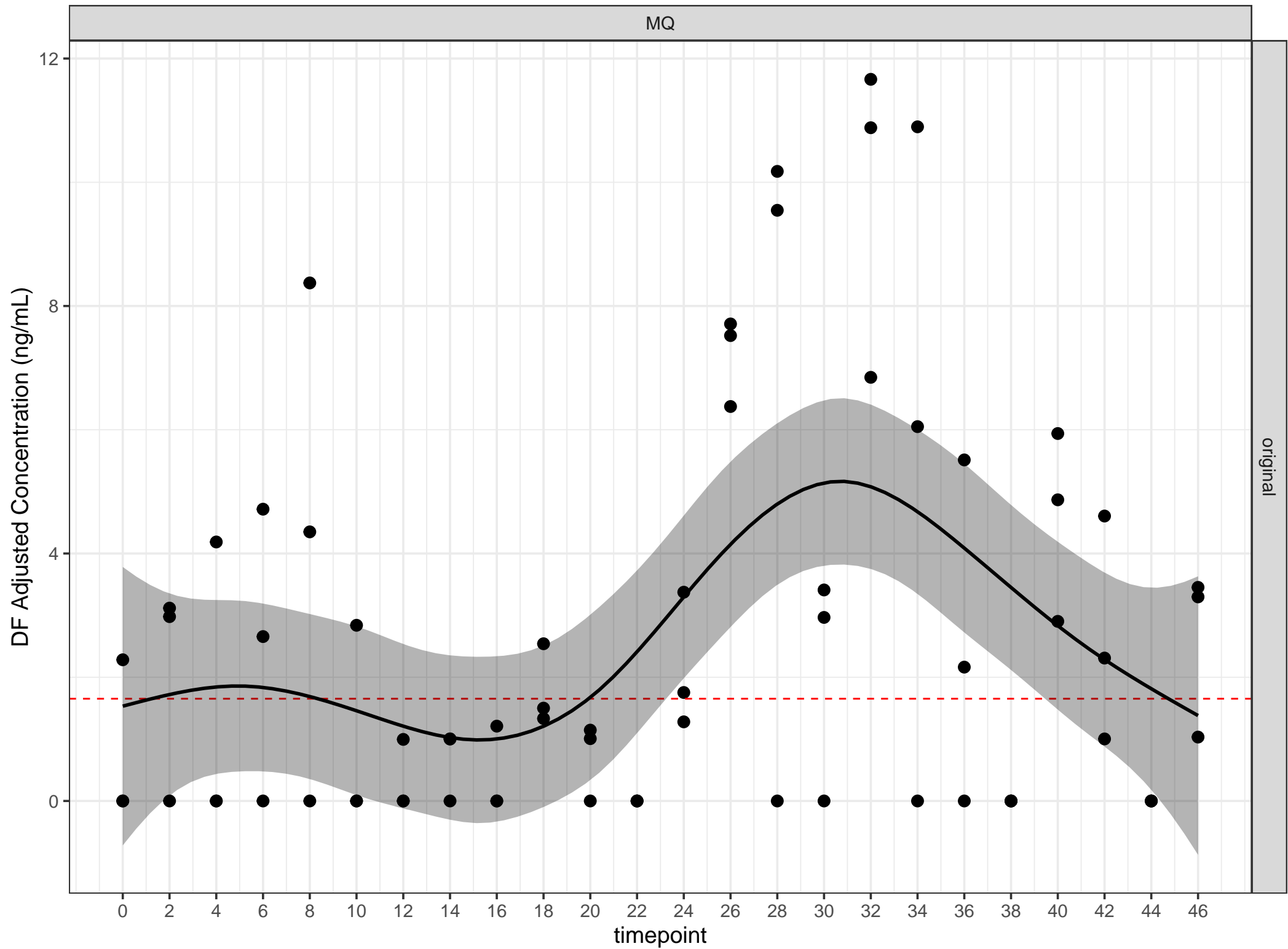
tryptophan



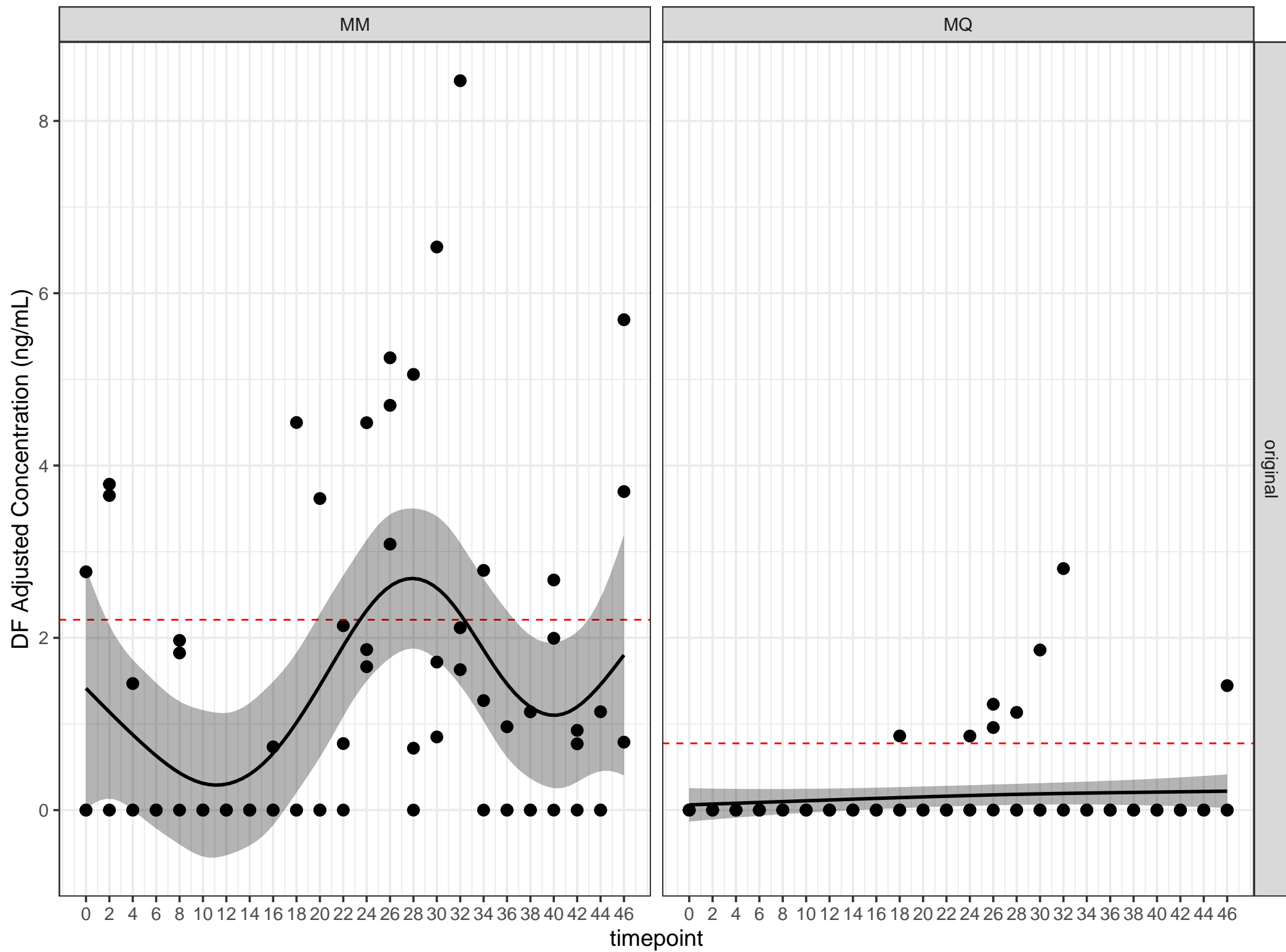
tyrosine



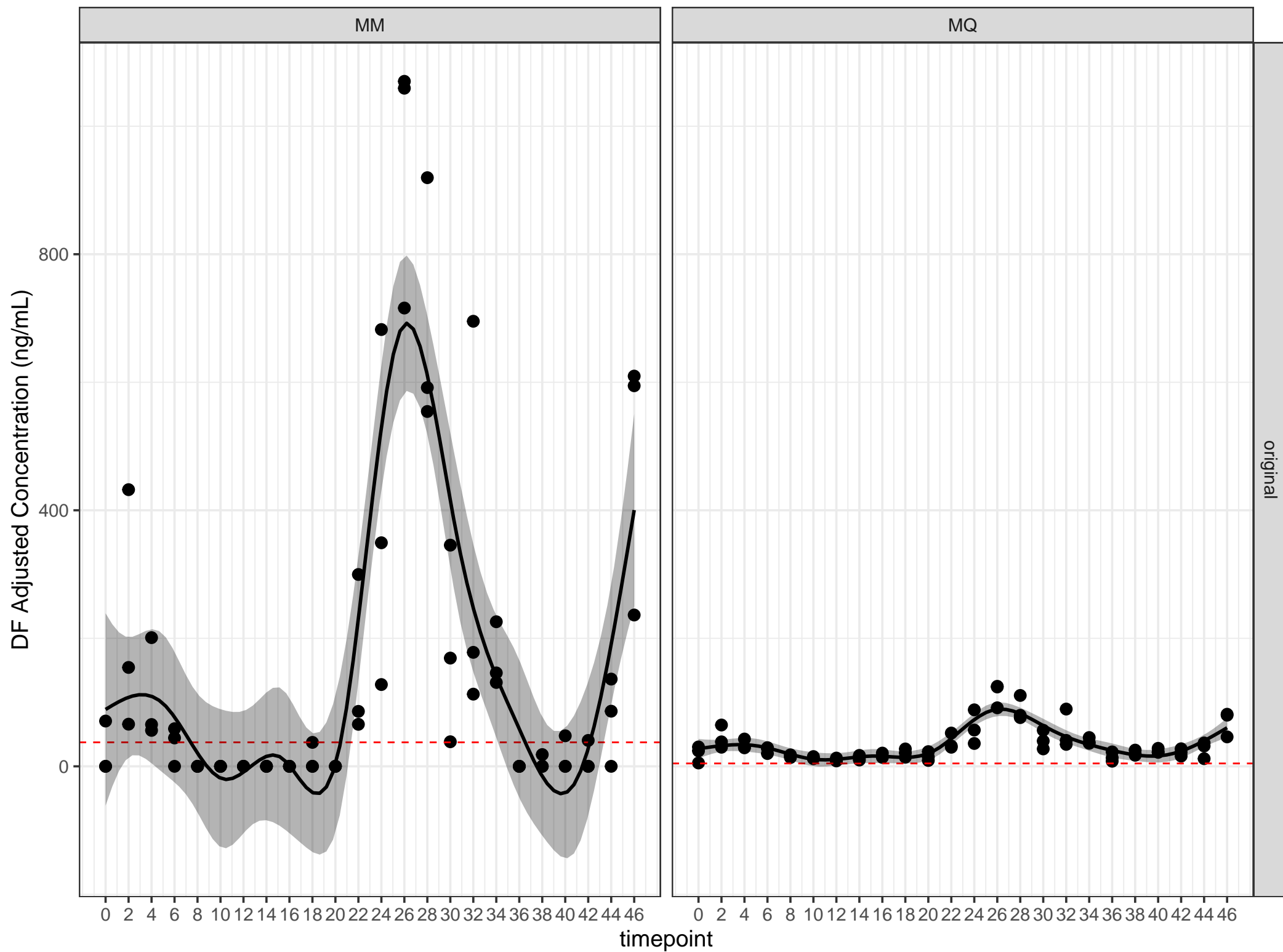
uracil



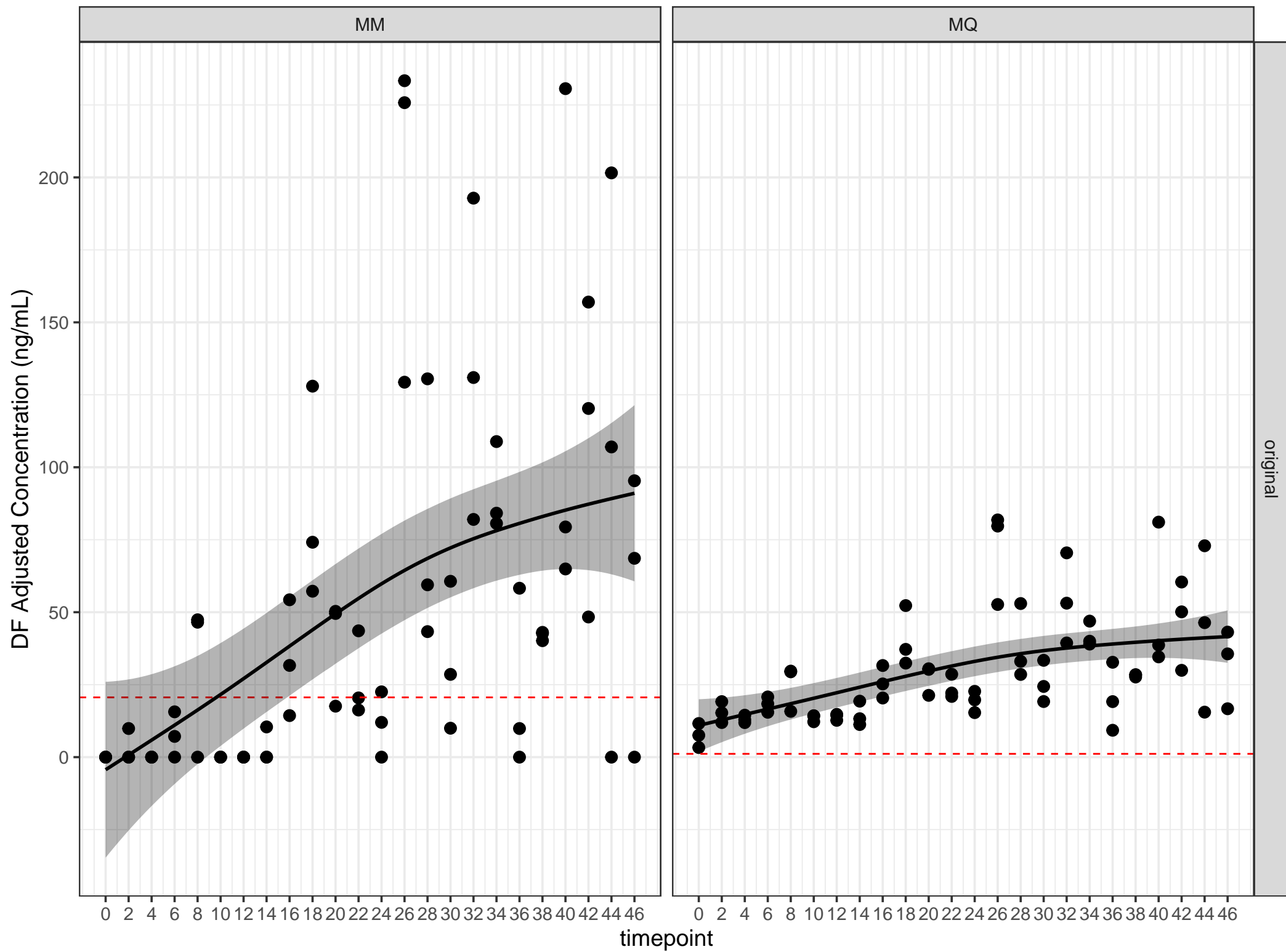
uridine



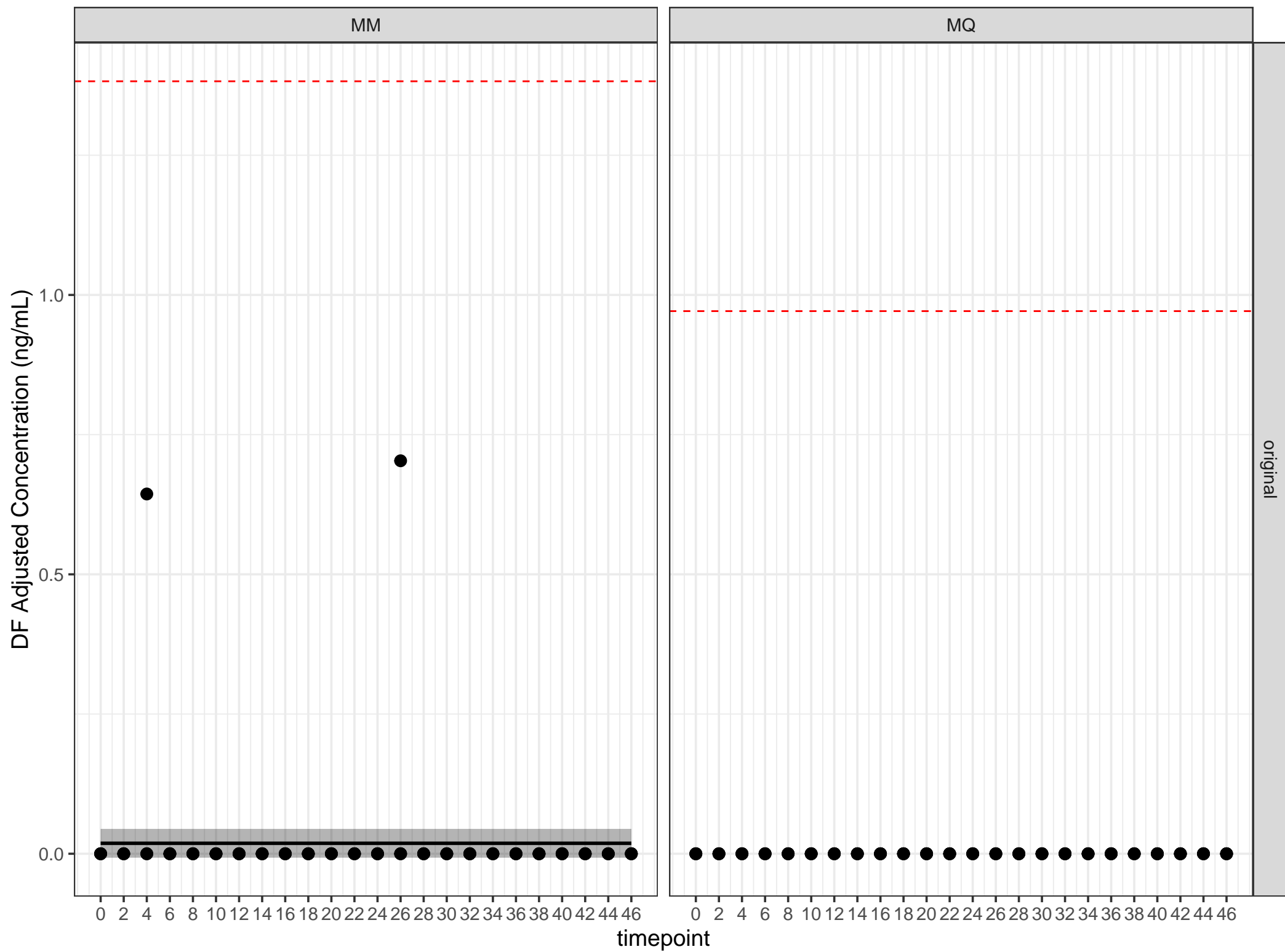
uridine 5-monophosphate pos



valine



xanthine neg



xanthosine neg

