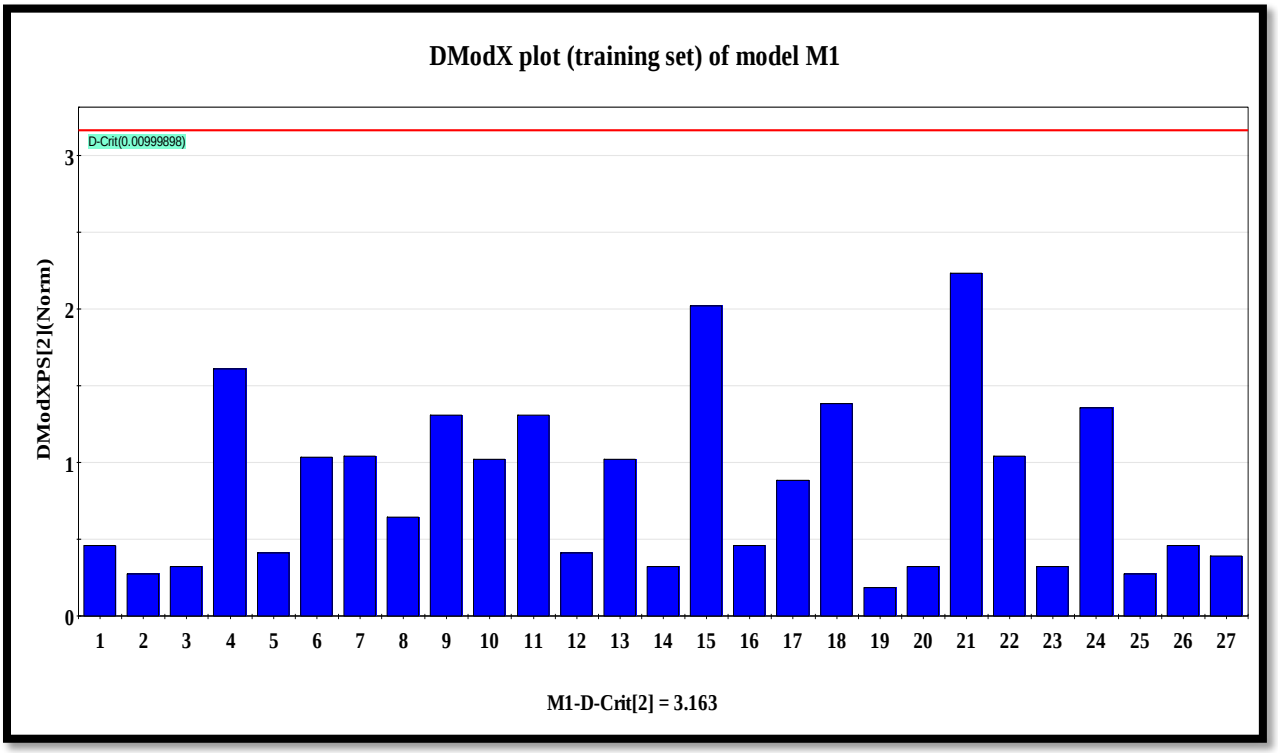
Intelligent Consensus Prediction for addressing ecotoxicological effects of diverse pesticides against *California quail*

Contents

S1; DModX Plot of model M1



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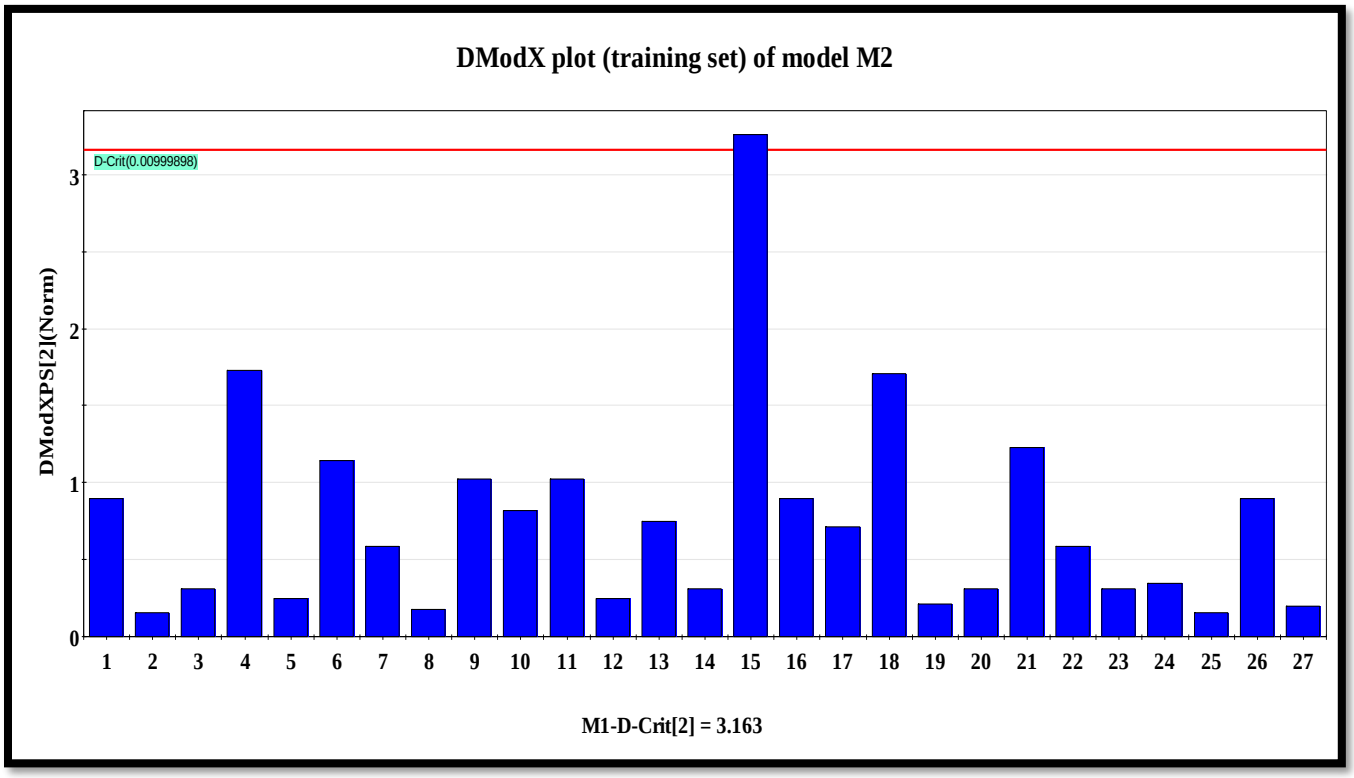
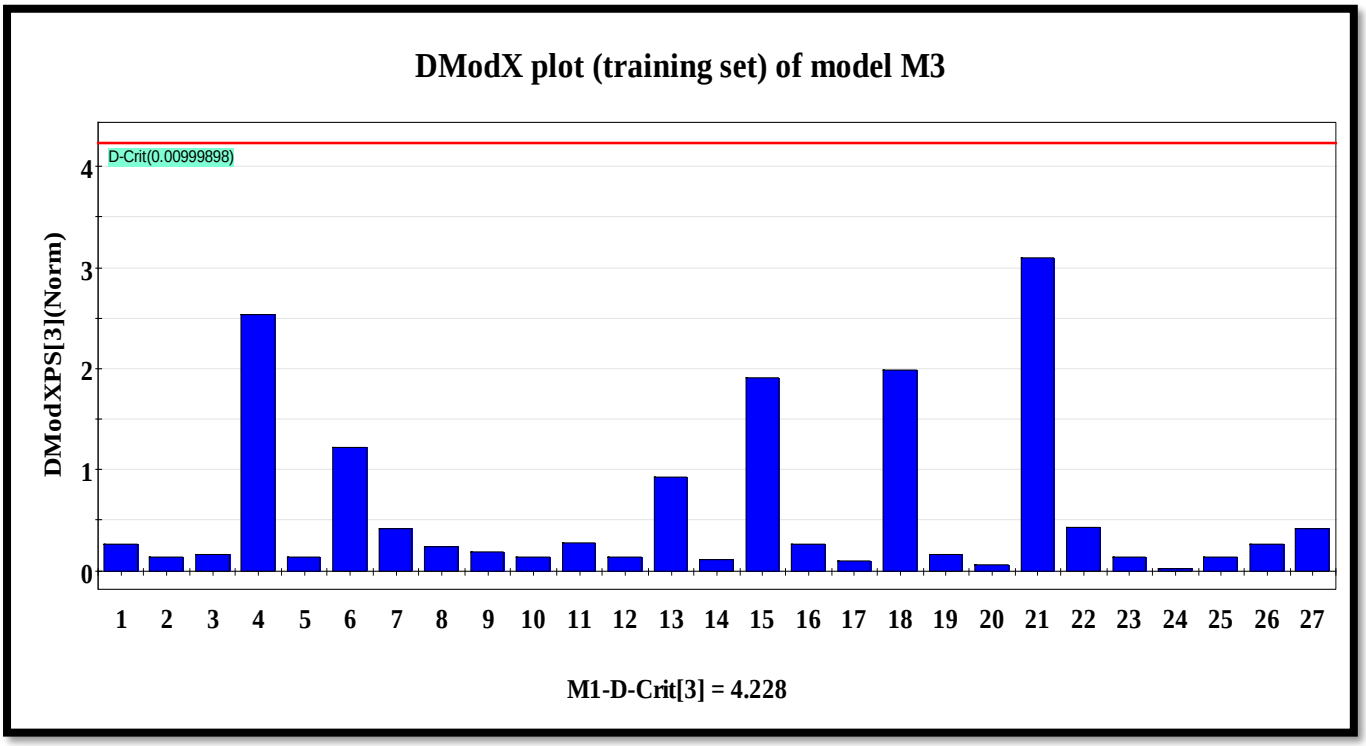
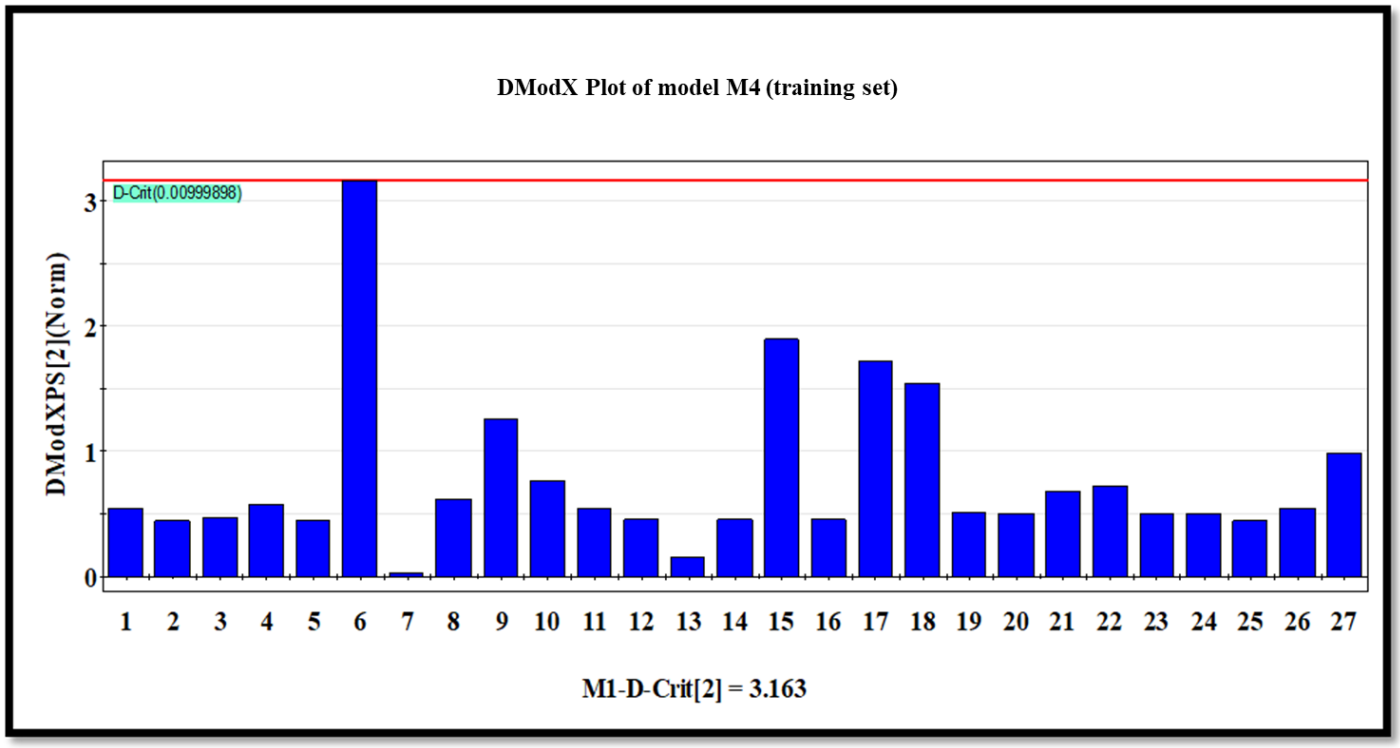


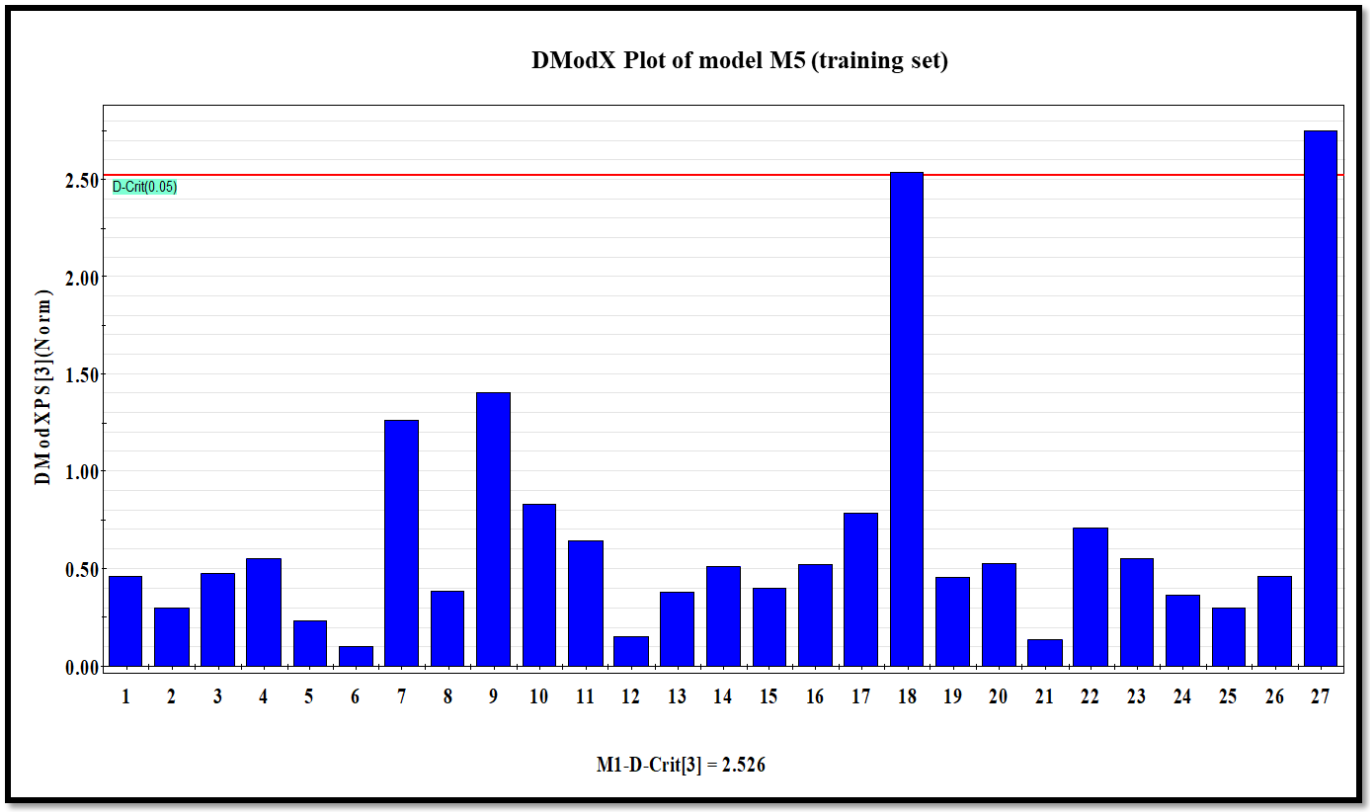
S3; DModX Plot of model M3



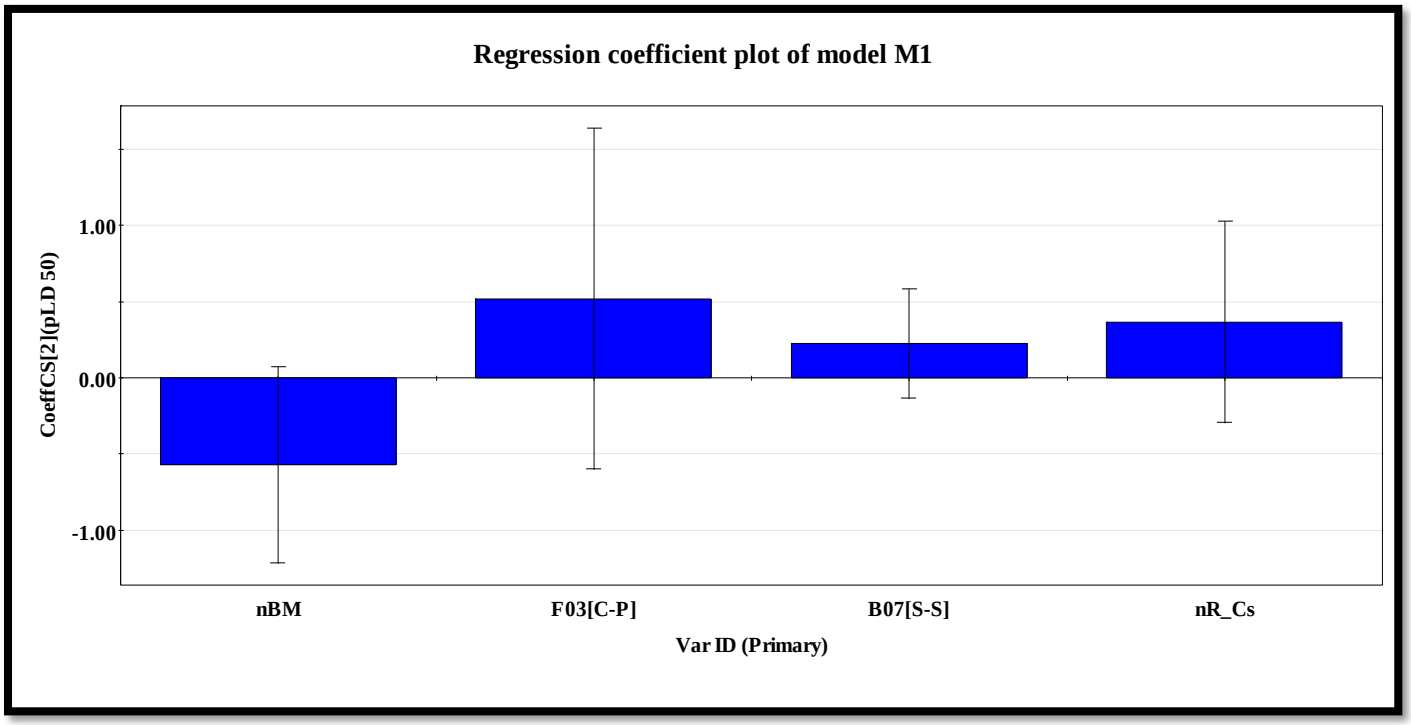
S4; DModX Plot of model M4



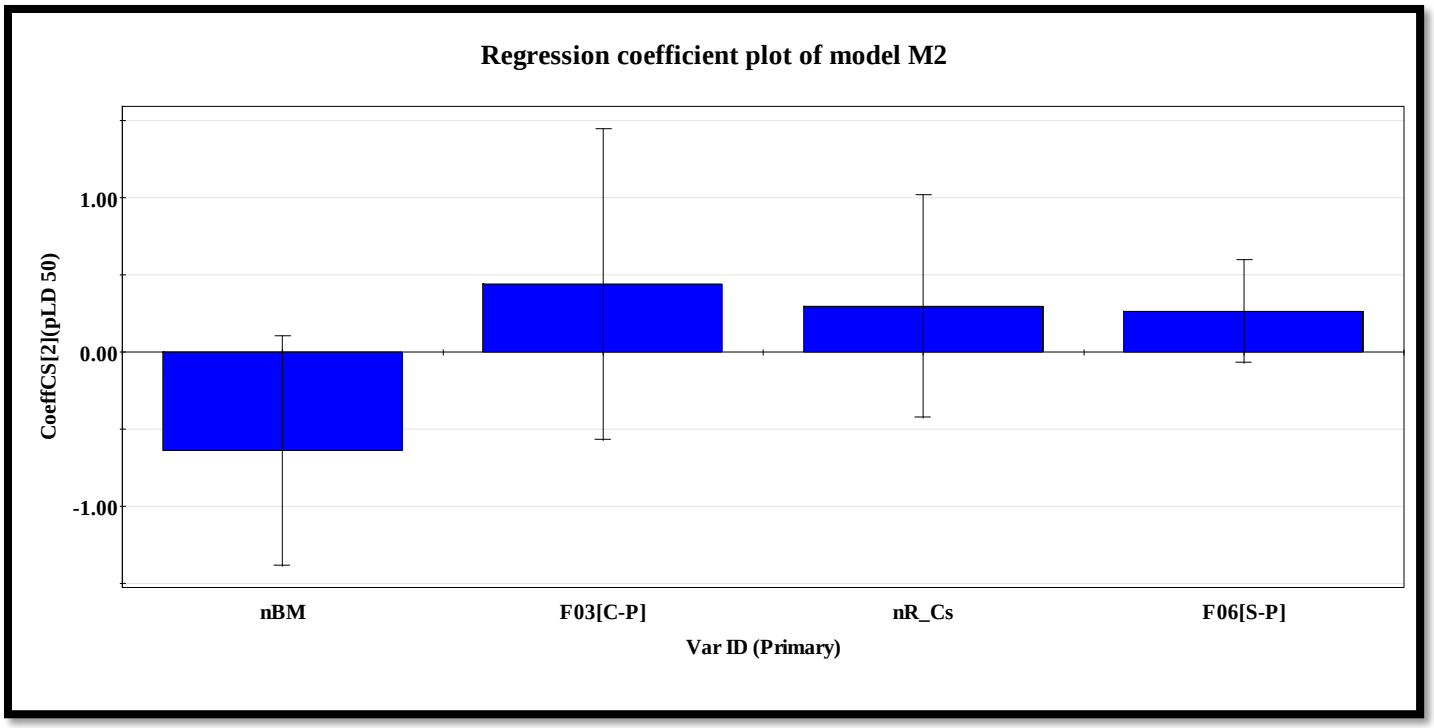
S5; DModX Plot of model M5



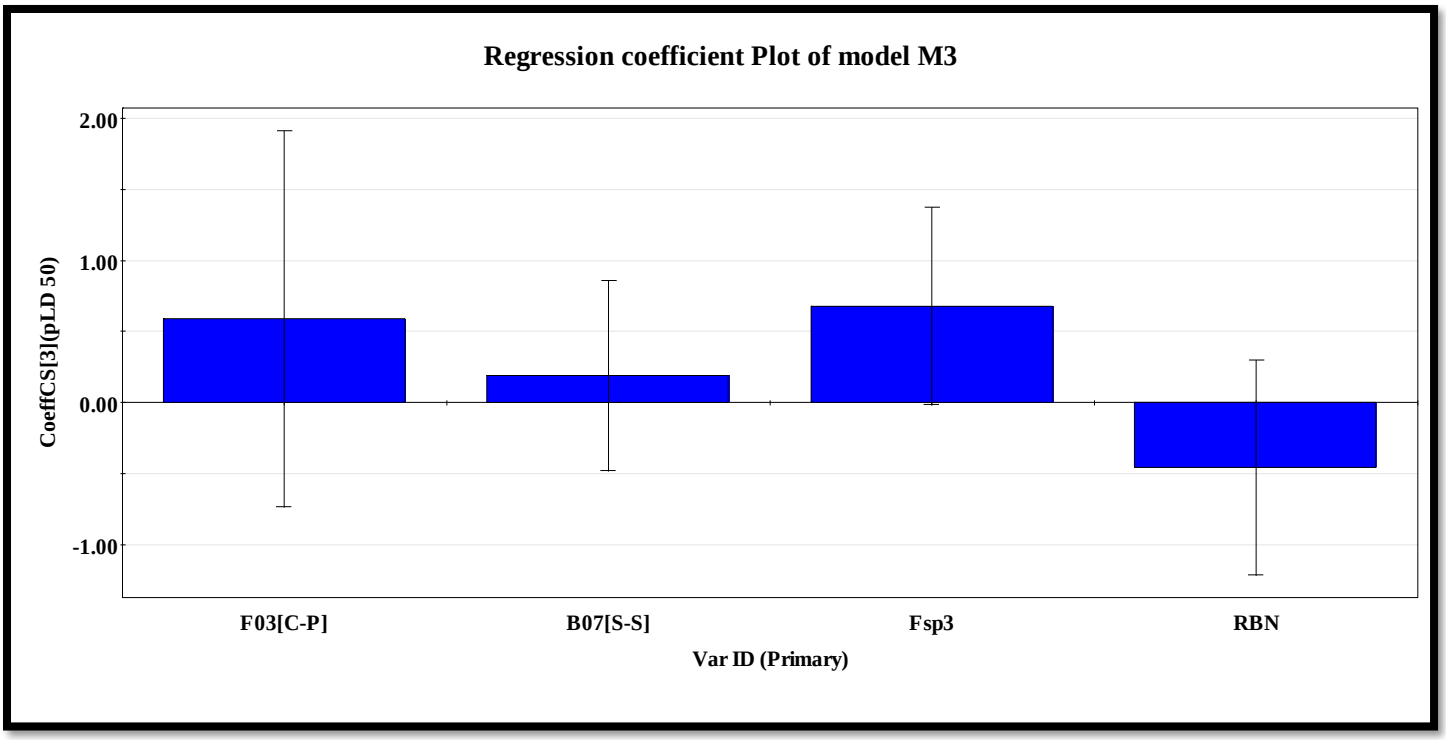
S6; Regression coefficient plot of Model M1



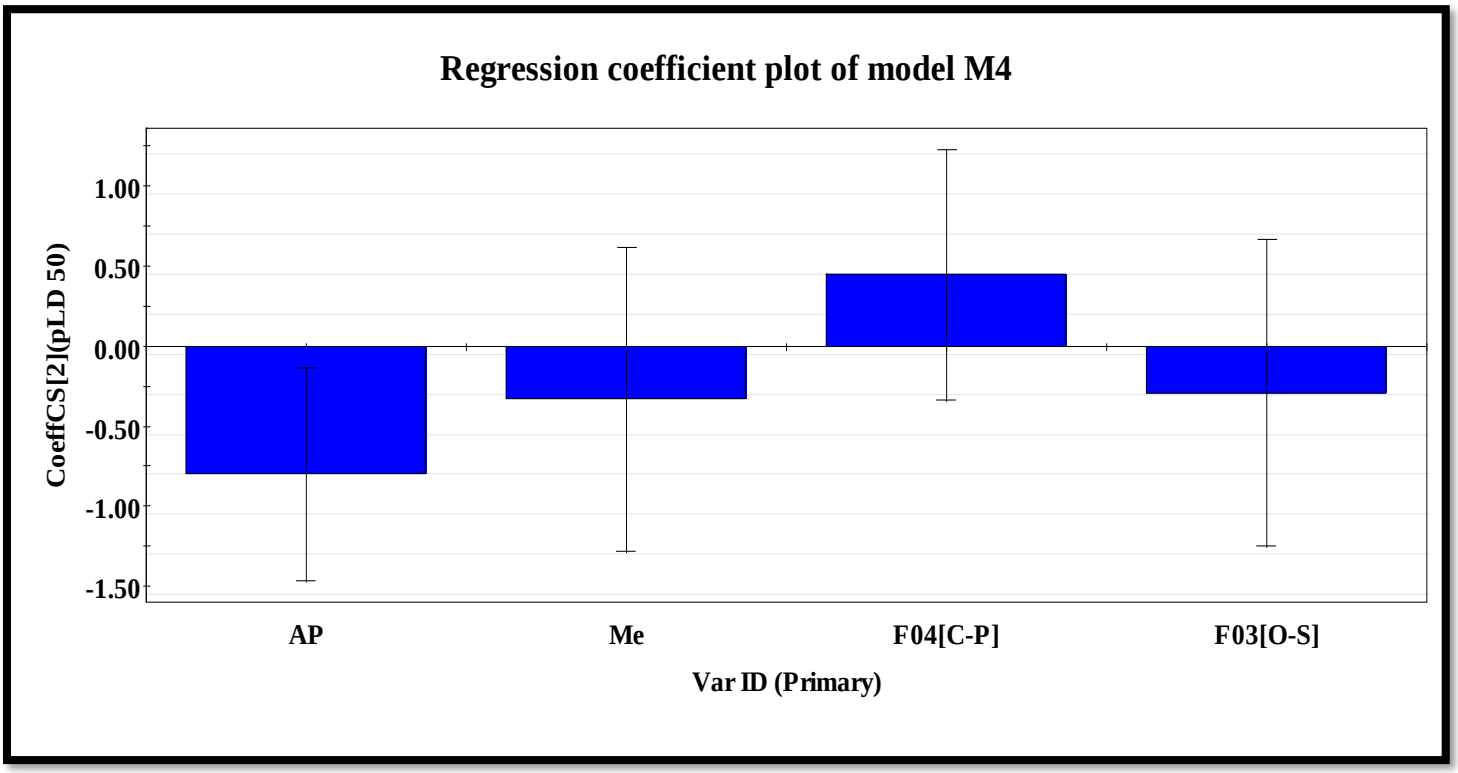
S7; Regression coefficient plot of Model M2



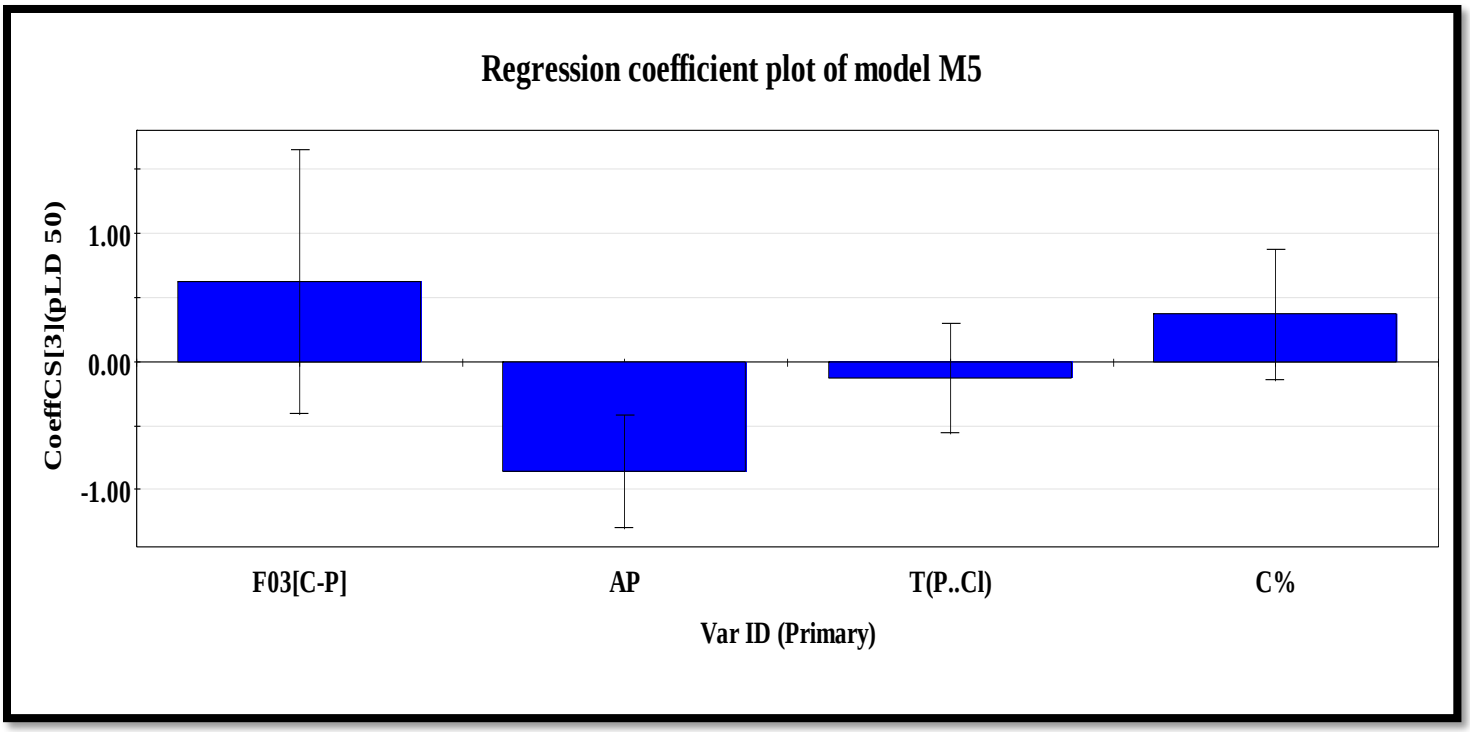
S8; Regression coefficient plot of Model M3



S9; Regression coefficient plot of Model M4



S10; Regression coefficient plot of Model M5



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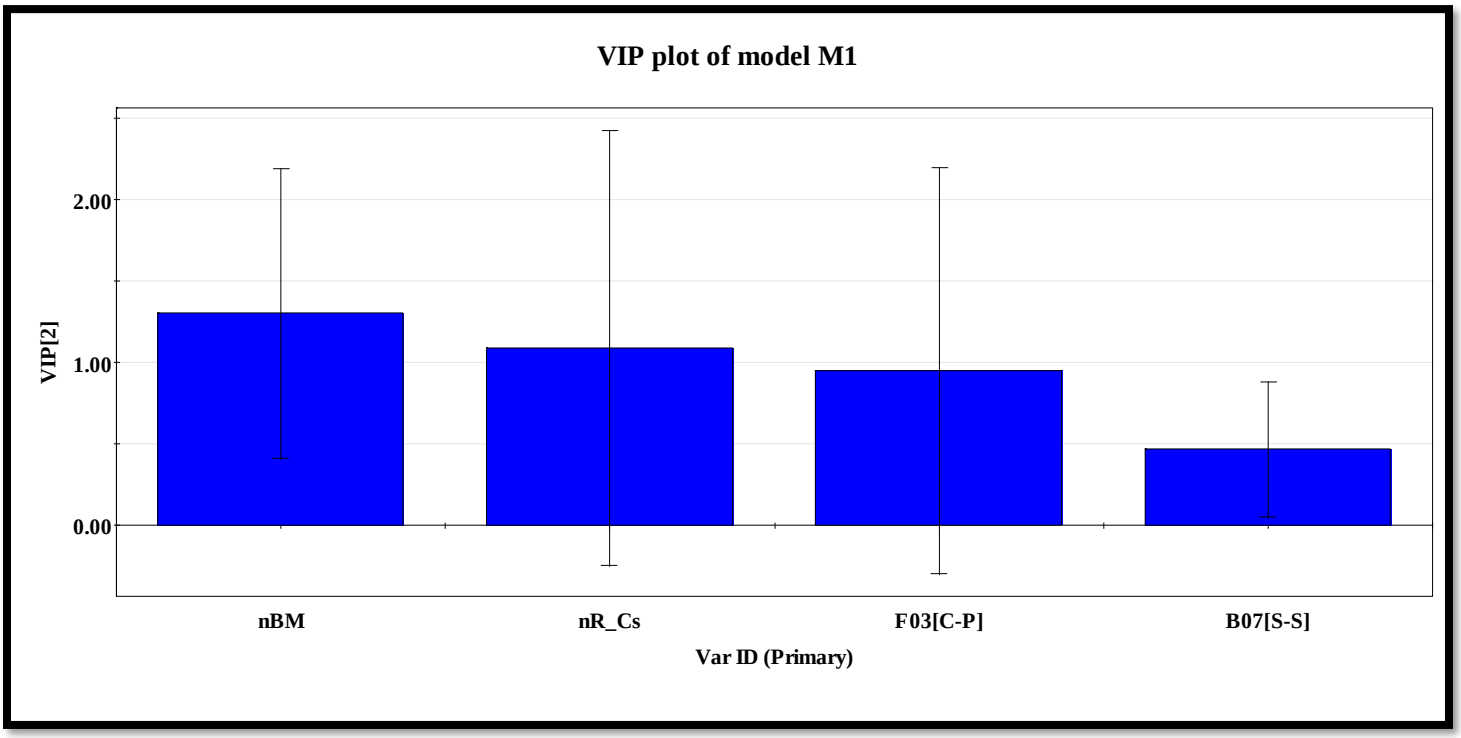
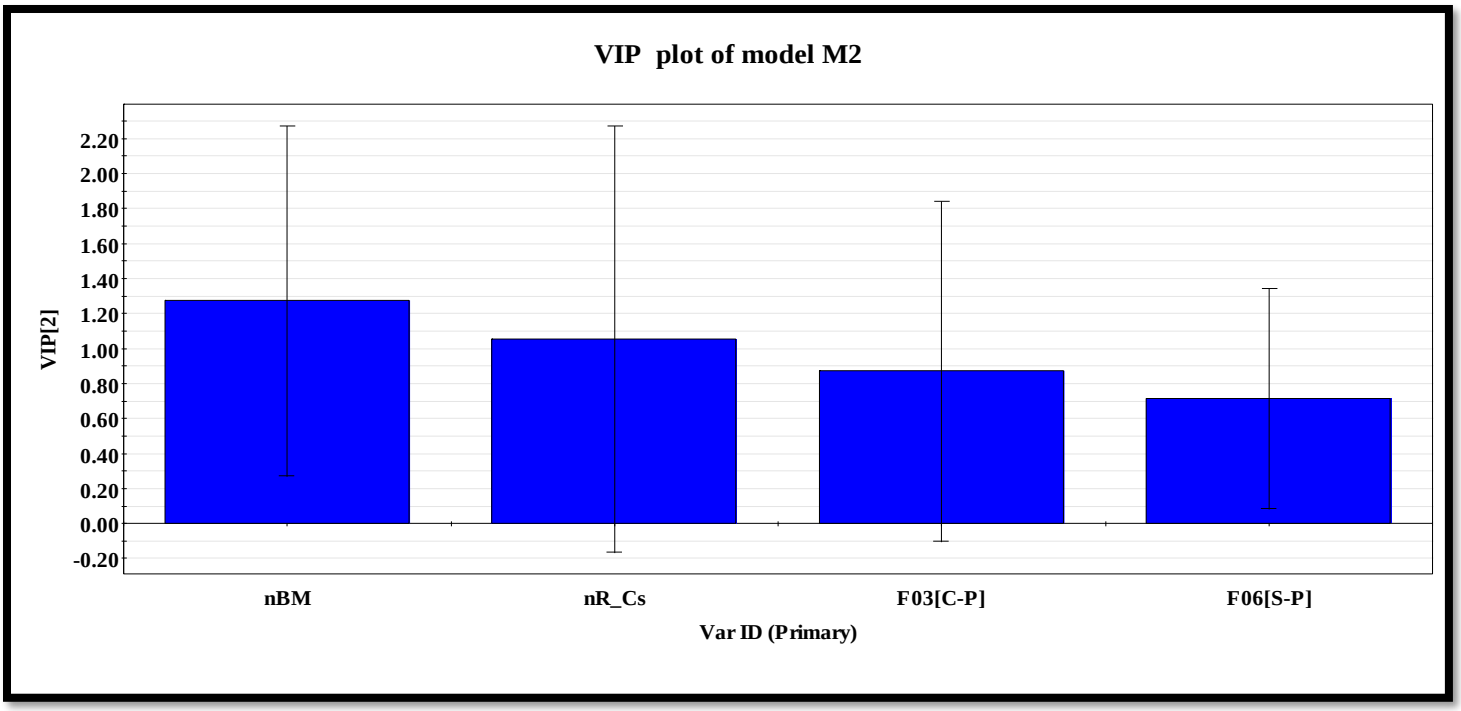
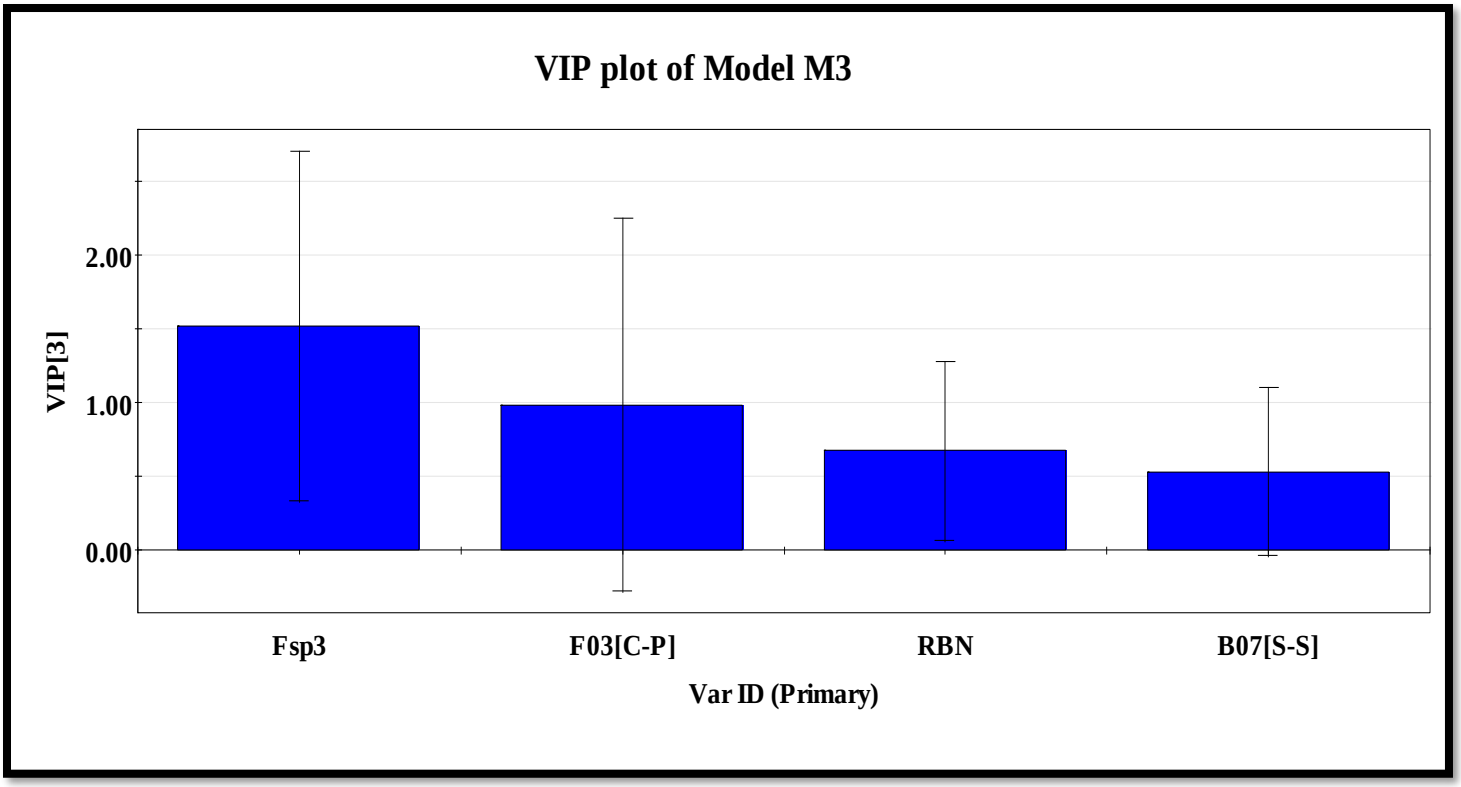


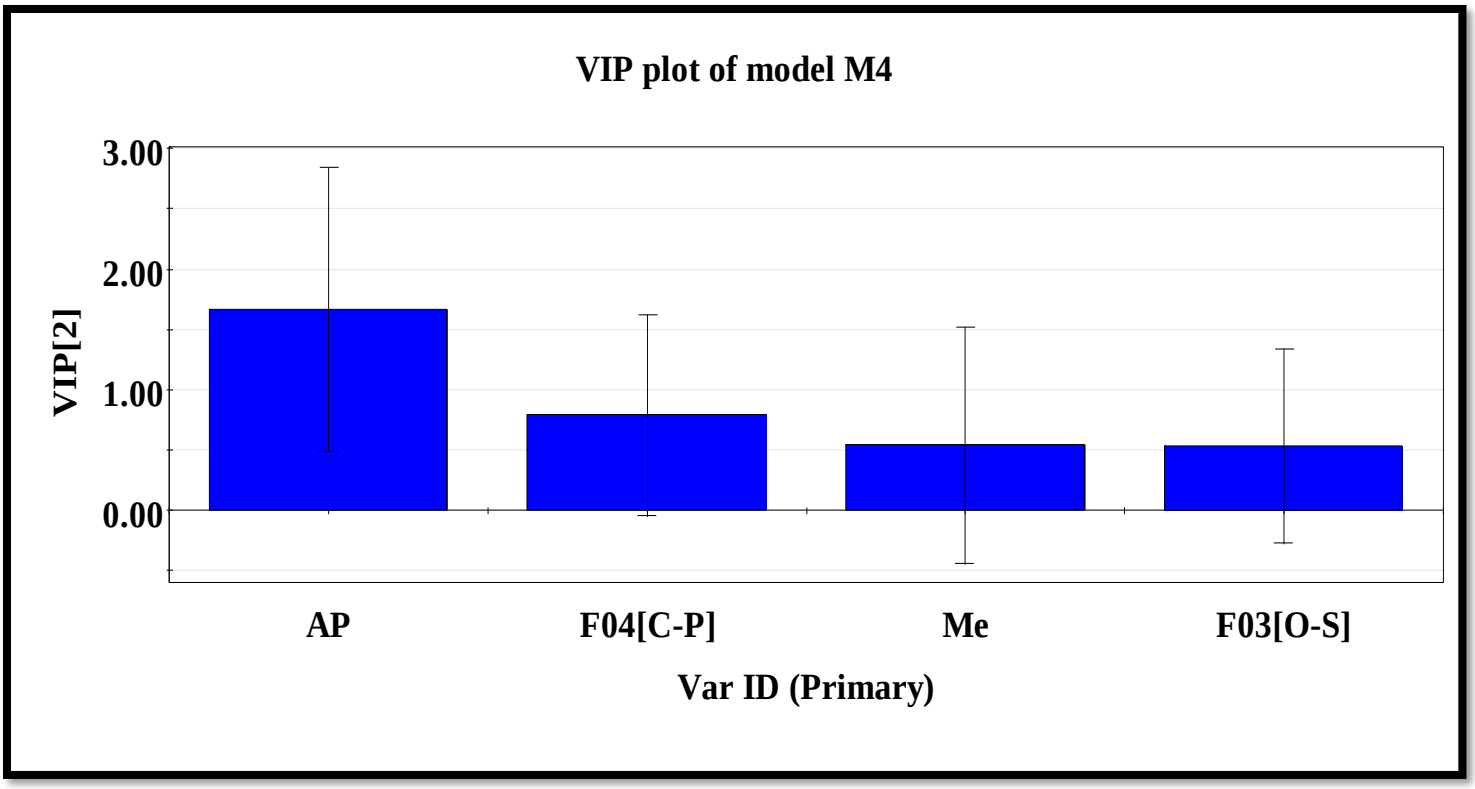
S12; VIP plot of Model M2



S13; VIP plot of Model M3



S14; VIP plot of Model M4



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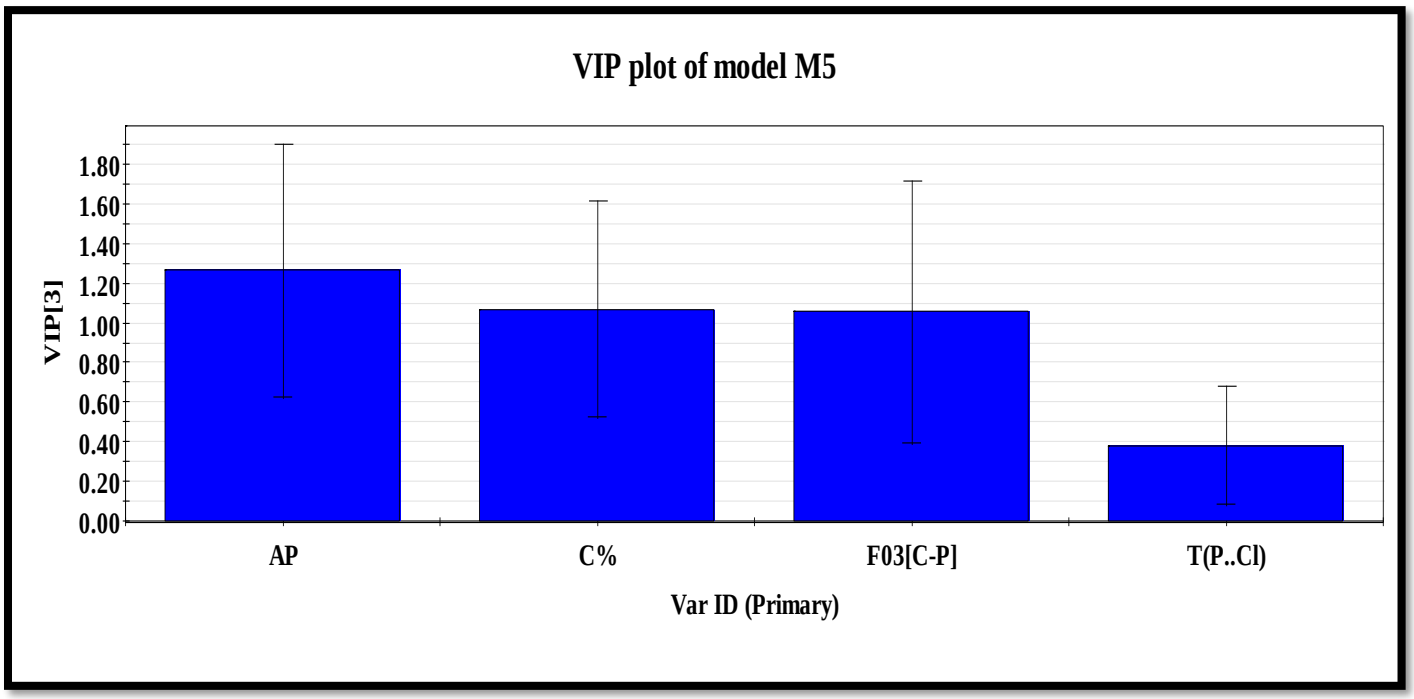
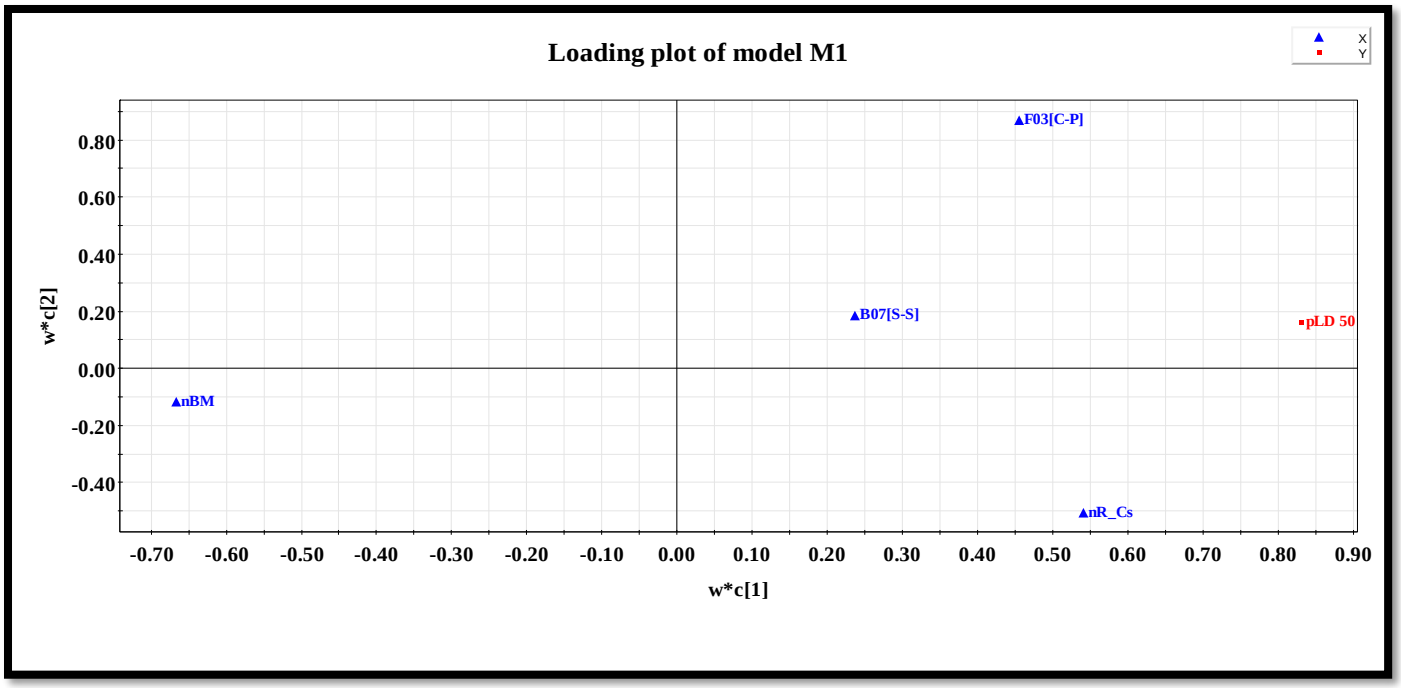
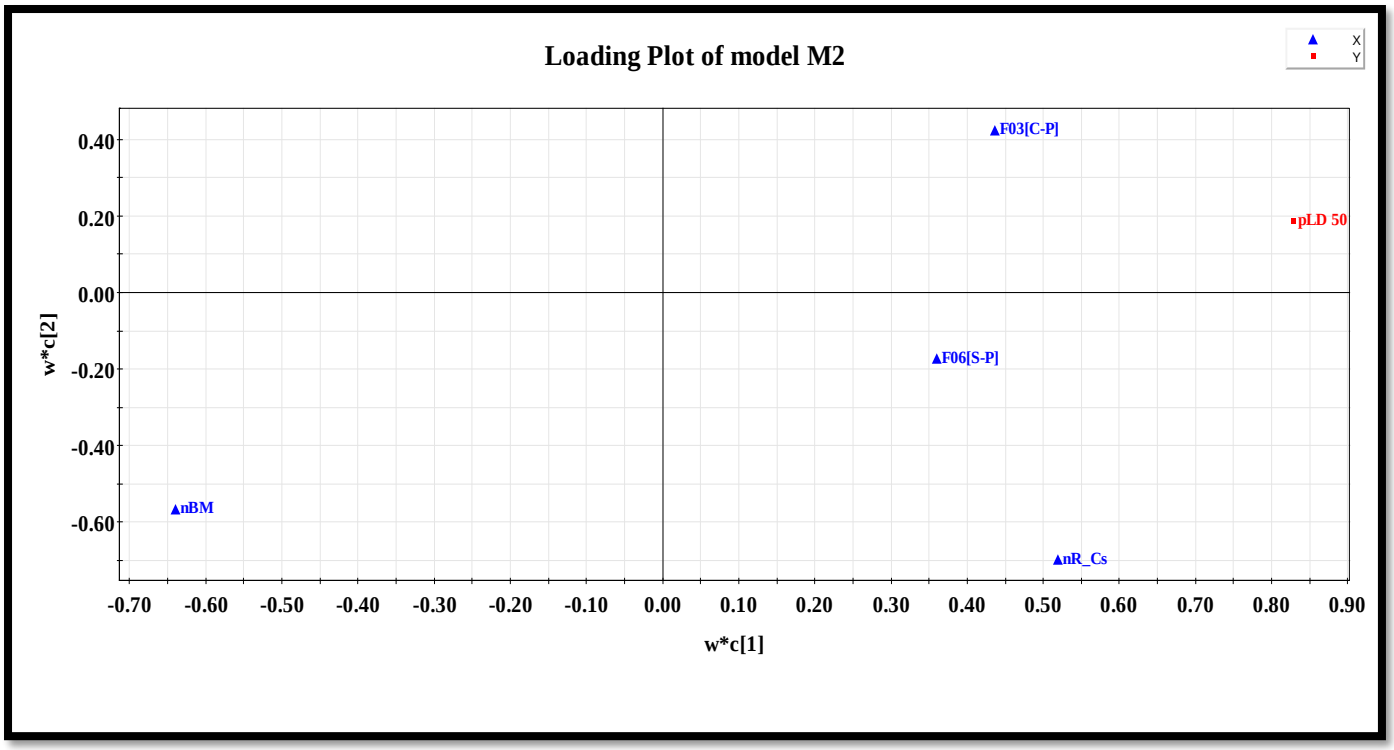


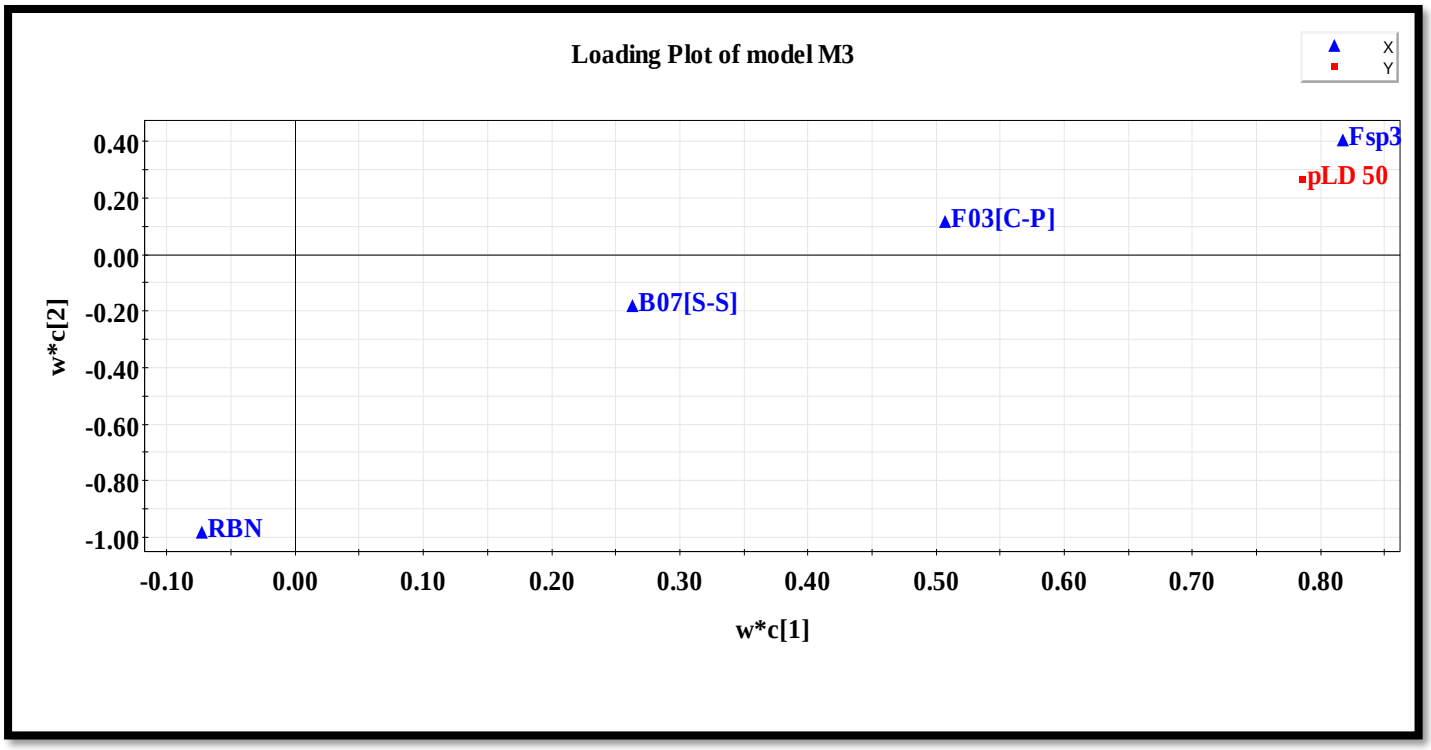
S16; Loading plot of Model M1



S17; Loading plot of Model M2



S18; Loading plot of Model M3



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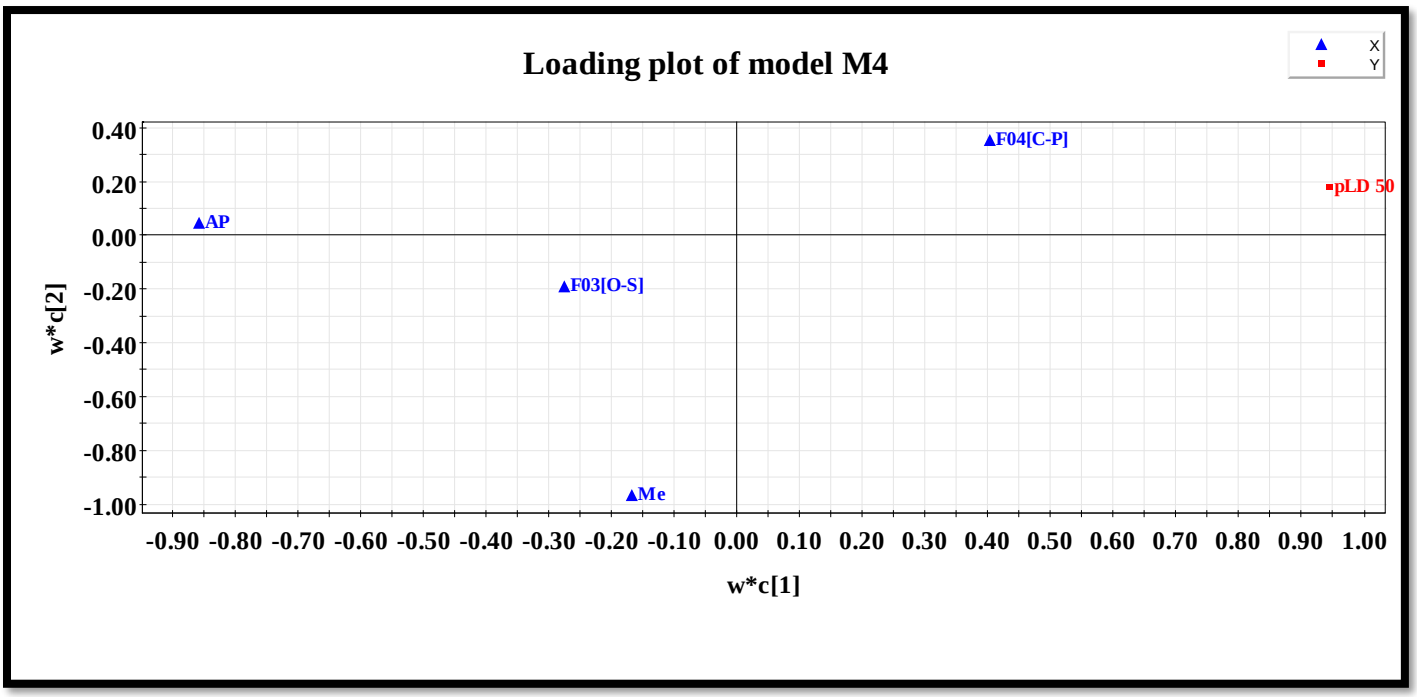

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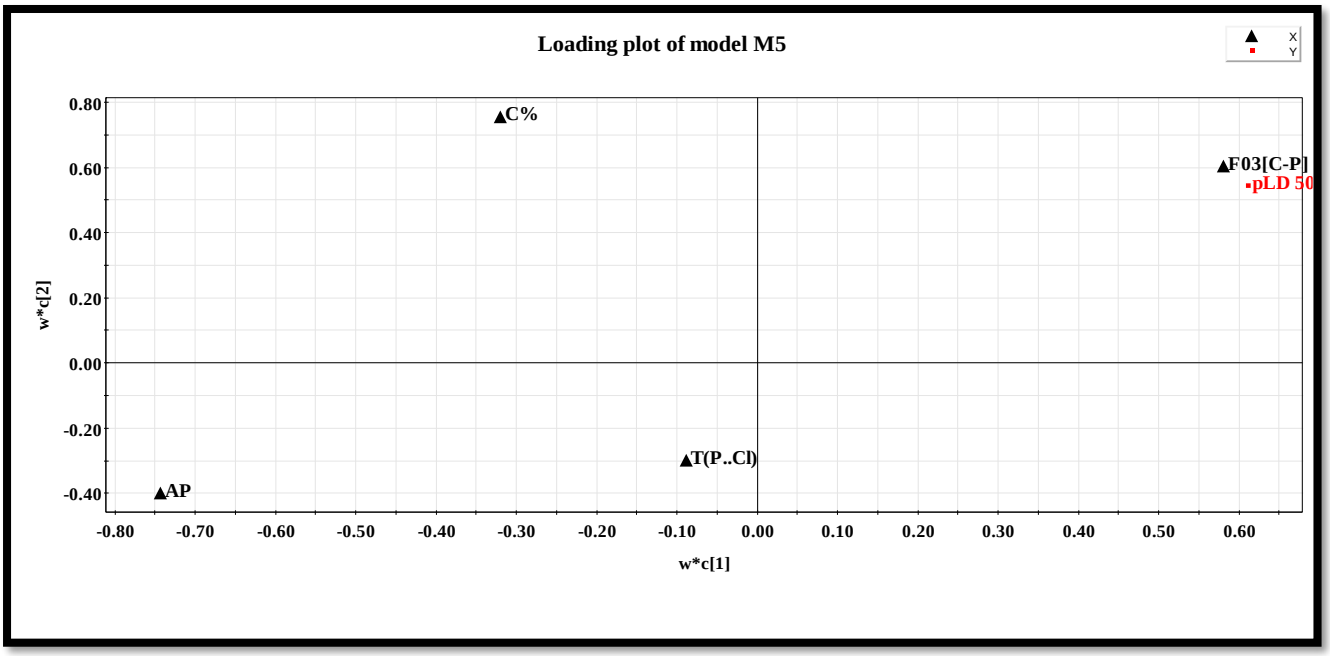
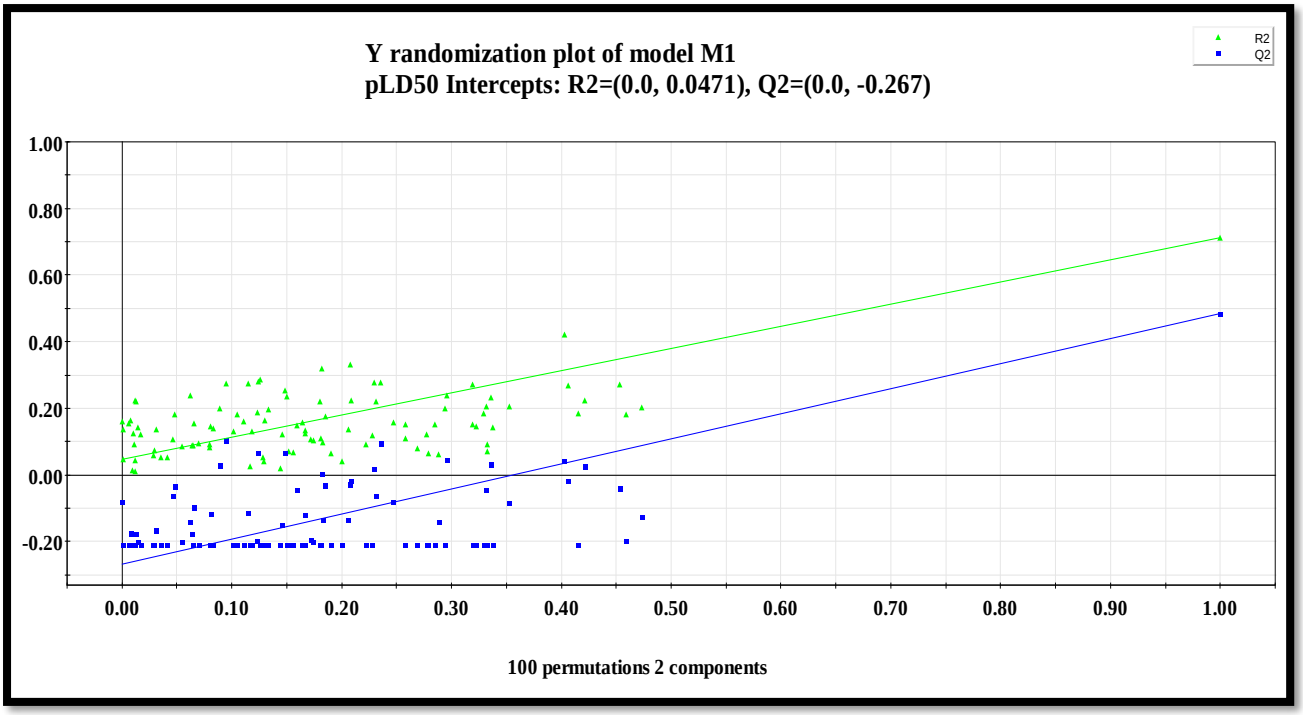


S22; Y randomization plot of model M2



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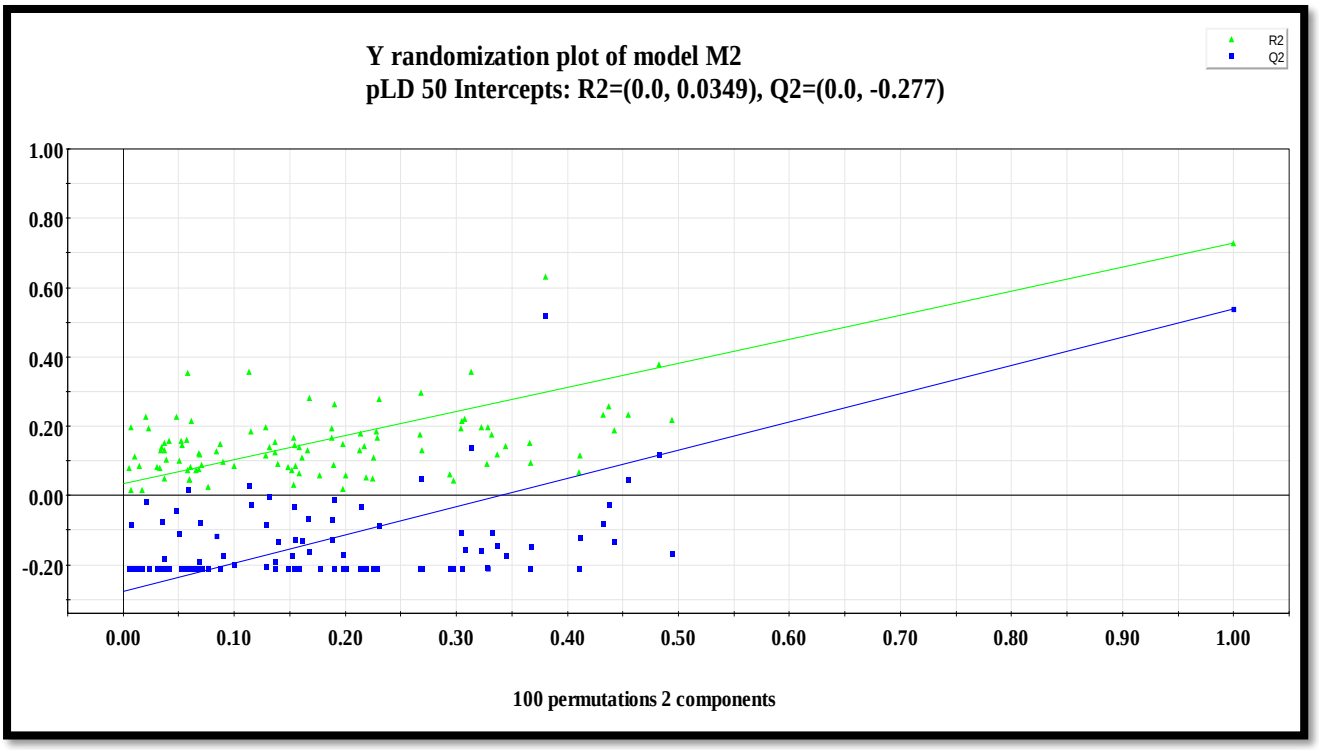
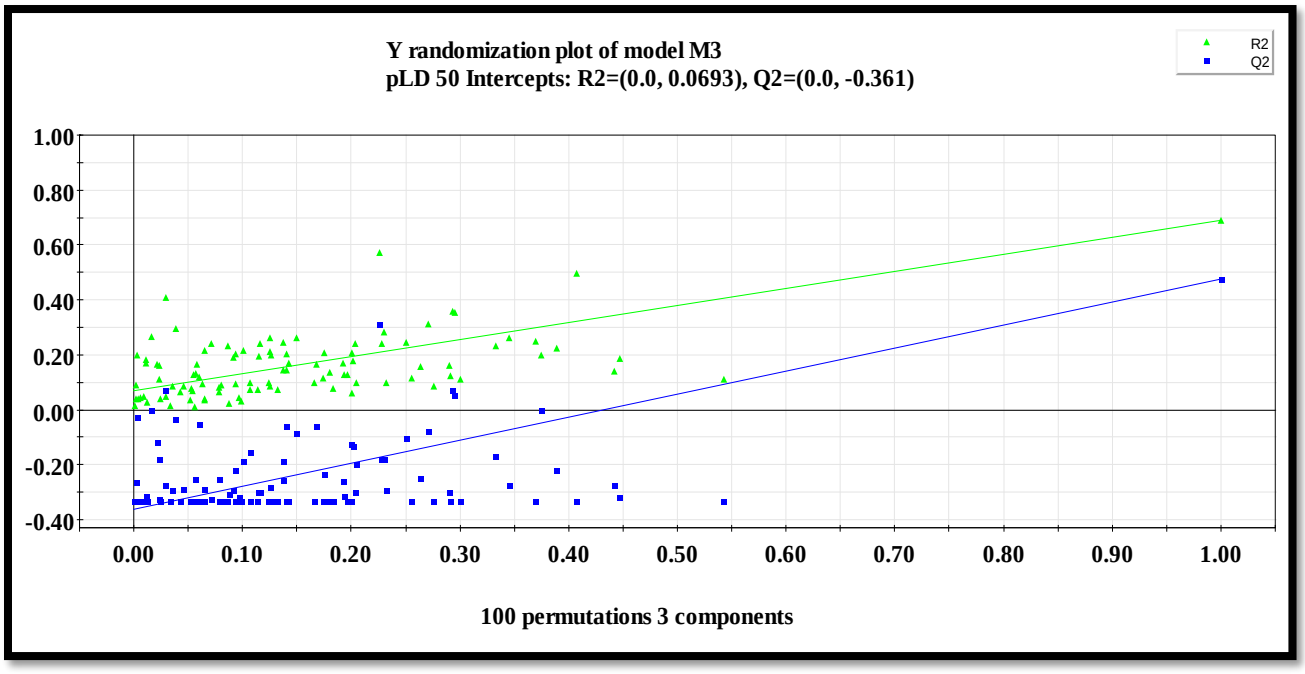


S23; Y randomization plot of model M3



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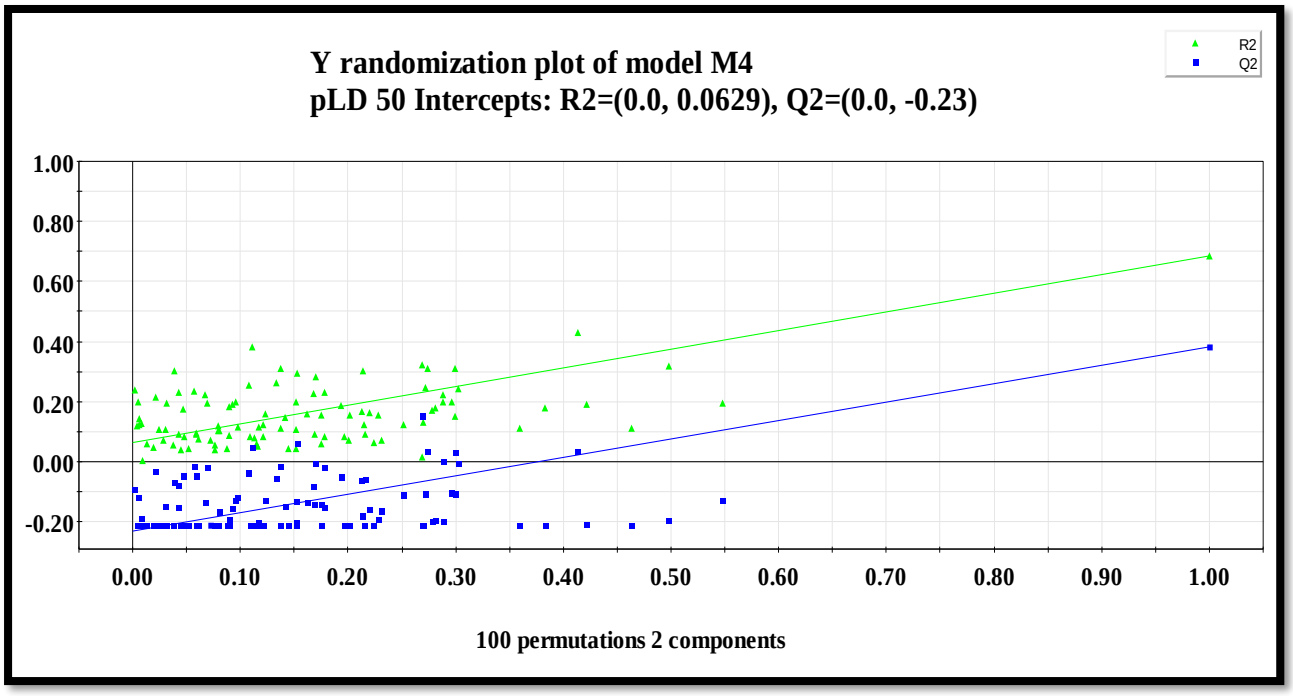
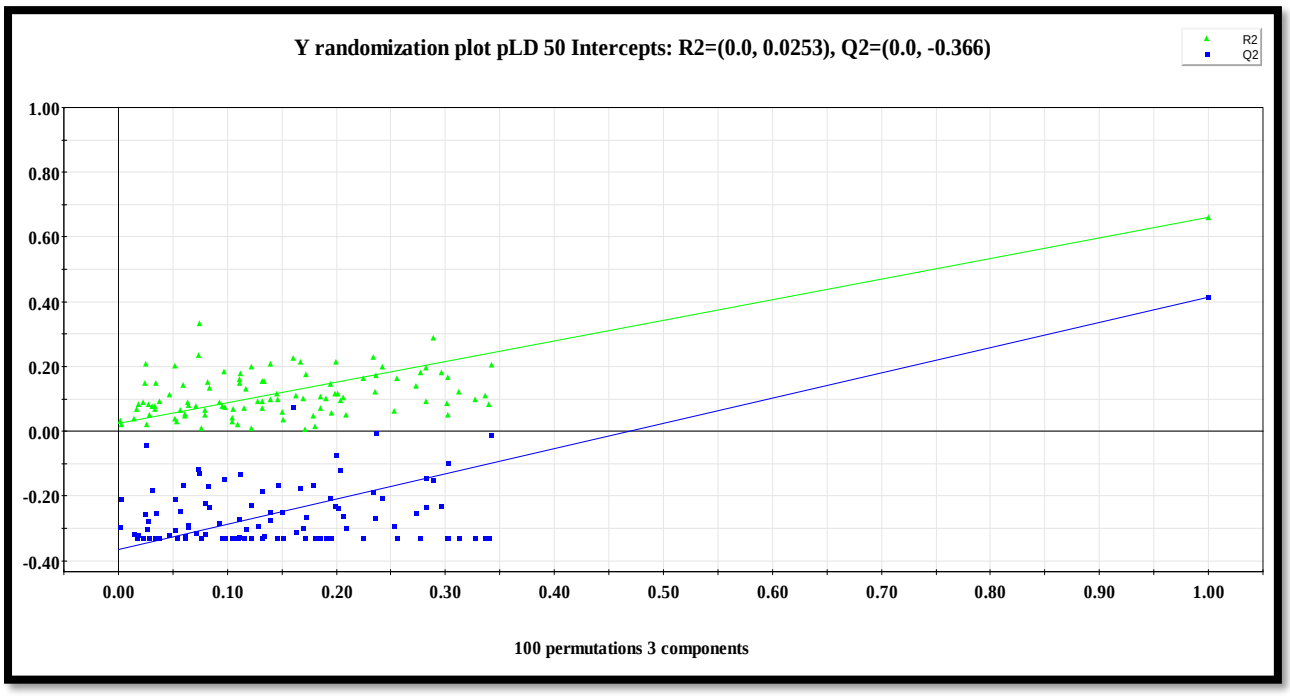
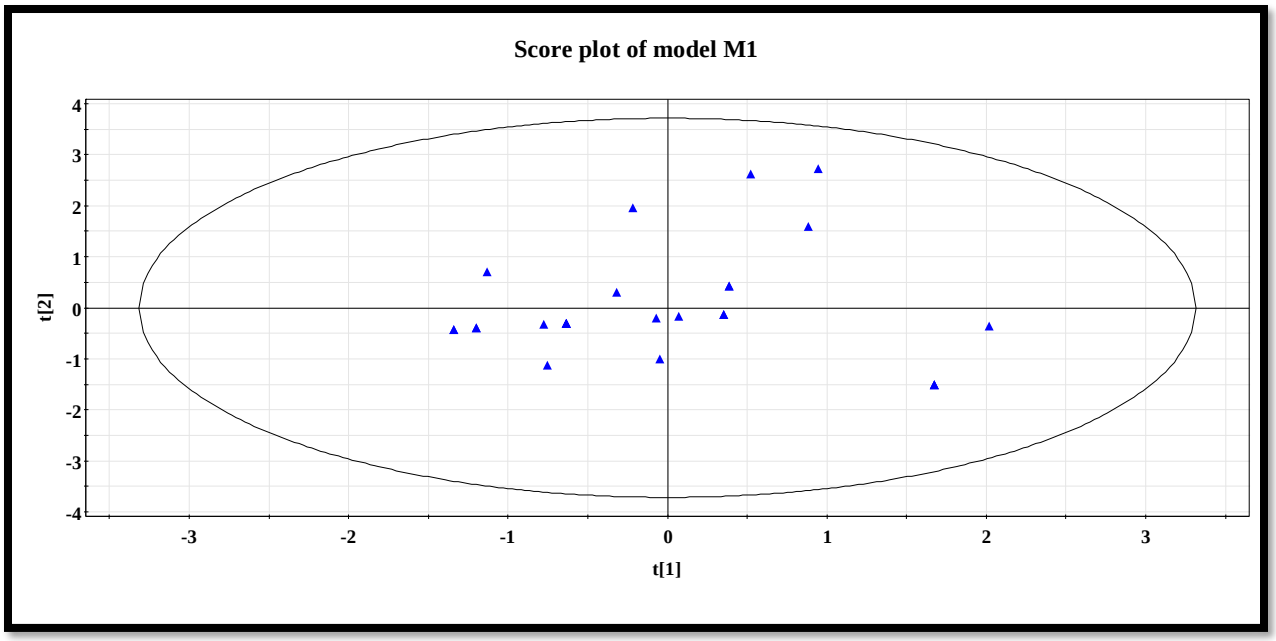


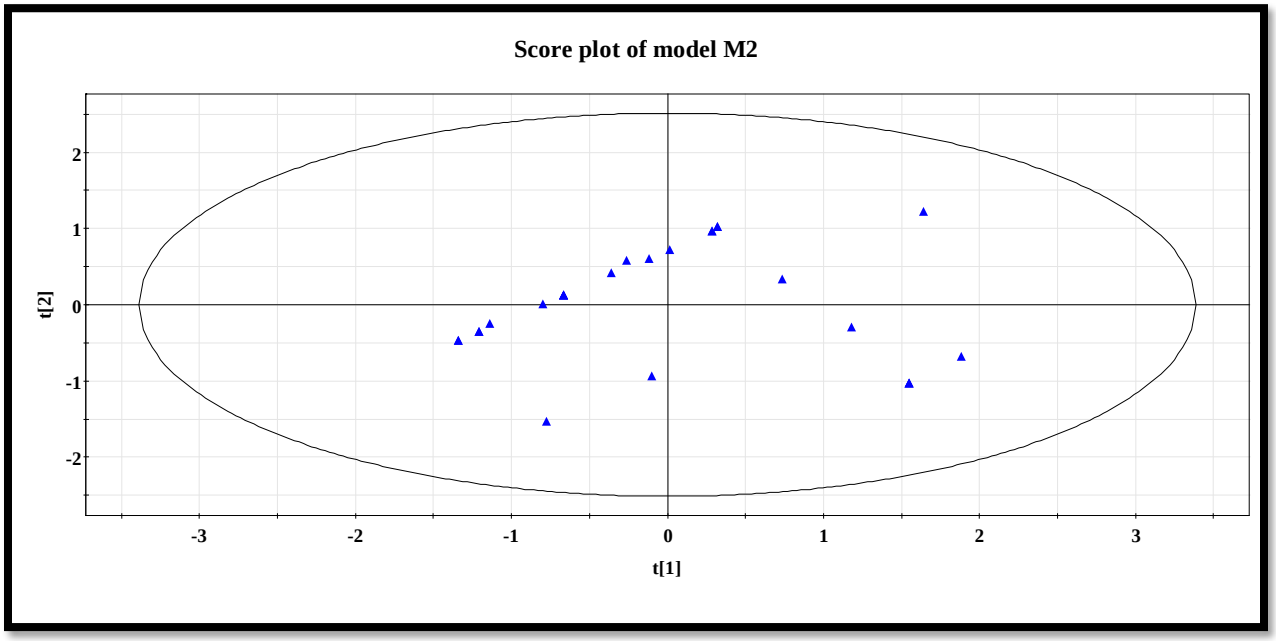
S25; Y randomization plot of model M5



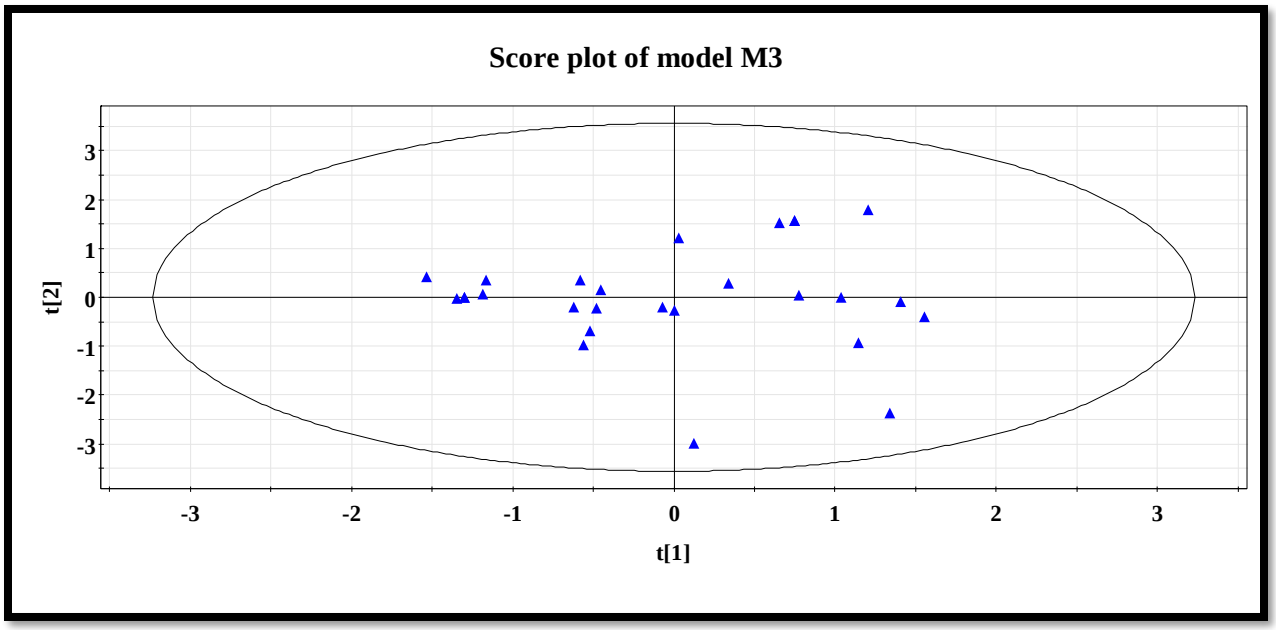
S26; Score plot of model M1



S27; Score plot of model M2



S28; Score plot of model M3



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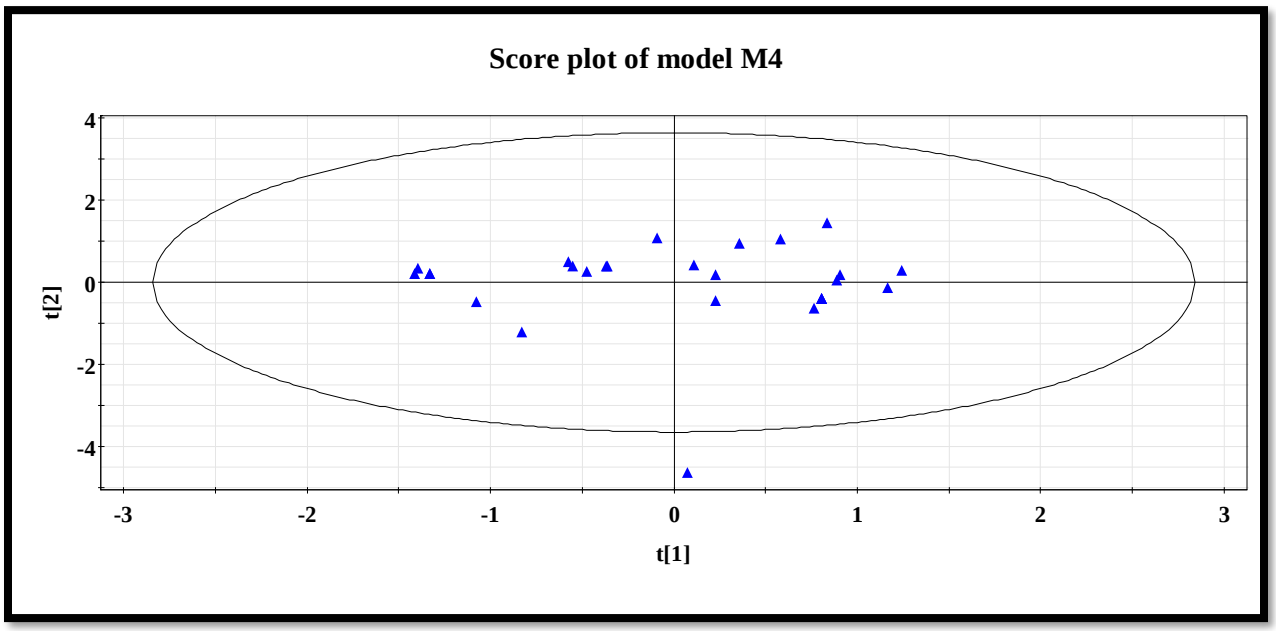

S30; Score plot of model M5

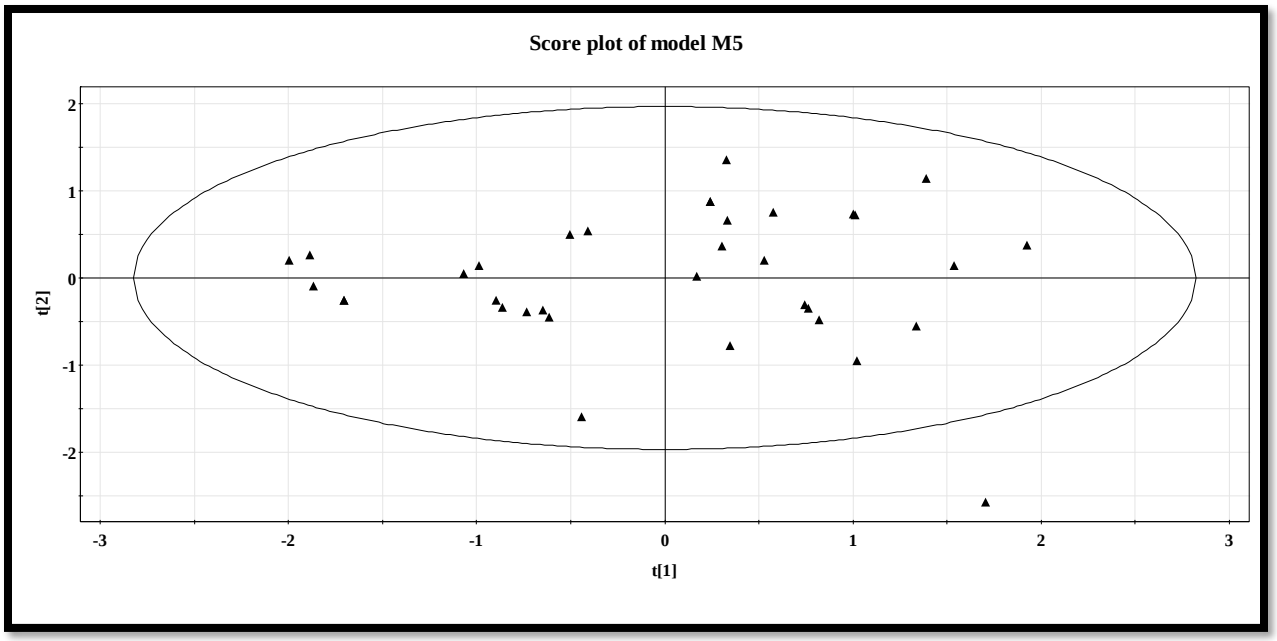

Table 3: Top 10 toxic pesticides screened from the PPDB Database.

Name of Pesticides	Safety and hazard	Reference
Buminafos	Acute toxic	I.
Cadusafos	Highly toxic	II.
Hexylthiofos	High toxic (Cramer class-iii)	III.
Sulfotep	Acute toxic	IV.
Tetradifon	Acute toxic, Environmental Hazard	V.
Tetraethyl pyrophosphate	Acute toxic, Environmental Hazard	VI.
Mipafox	Highly toxic organophosphate	VII.
Fosthiazate	Acute toxic, Environmental Hazard	VIII.
Merphos	Highly toxic	IX.
IPSP	Acute toxic, Environmental Hazard	X.

Table 4: Least 10 screened compounds from the PPDB database.

Name of Pesticides	Safety and hazard	Reference
Tioxazafen	Low acute toxicity	XI
Clofentezine	Low acute toxicity	XII
Thiabendazole	Low acute toxicity	XIII
Fuberidazole	Moderately toxic	XIV
Diflovidazin	Low toxicity	XV
Sulcofuron	Non-toxic	XVI
Sulcofuron-sodium	Non-toxic	XVII
Sulphaquinoxaline	No ecotoxicity data	XVIII
Triazoxide	Acute toxic	XIX
Chlorfenazole	Irritant	XX

I. Nehéz, M., Fischer, G.W., Scheufler, H., Schmidt, R., Sipos, T. and Dési, I., 1992. Investigations of the acute toxic, cytogenetic, and embryotoxic activity of buminafos. *Ecotoxicology and environmental safety*, *24*(1), pp.13-16 .

II. http://sitem.herts.ac.uk/aeru/ppdb/en/Reports/106.htm

III. http://sitem.herts.ac.uk/aeru/ppdb/en/Reports/2455.htm

IV. https://pubchem.ncbi.nlm.nih.gov/compound/19395#section=Safety-and-Hazards

V. https://pubchem.ncbi.nlm.nih.gov/compound/7873#section=Safety-and-Hazards

VI. https://pubchem.ncbi.nlm.nih.gov/compound/7873#section=Safety-and-Hazards

VII. https://en.wikipedia.org/wiki/Mipafox#:~:text=Mipafox%20is%20a%20highly%20toxic,be%20no%20longer%20in%20use.

VIII. https://pubchem.ncbi.nlm.nih.gov/compound/Fosthiazate#section=Safety-and-Hazards

IX. https://cameochemicals.noaa.gov/chemical/18169

X. https://pubchem.ncbi.nlm.nih.gov/compound/22083

XI. https://www.federalregister.gov/documents/2017/05/01/2017-08538/tioxazafen-pesticide-tolerances

XII. https://apps.who.int/pesticide-residues-jmpr-database/Document/147

XIII.https://www3.epa.gov/pesticides/chem_search/reg_actions/reregistration/fs_PC-060101_1-May-02.pdf

XIV. https://cameochemicals.noaa.gov/chemical/5013

XV. https://www.fao.org/3/ca9590en/ca9590en.pdf

XVI. http://sitem.herts.ac.uk/aeru/iupac/Reports/1378.htm

XVII. http://sitem.herts.ac.uk/aeru/ppdb/en/Reports/1558.htm

XVIII. https://static.cymitquimica.com/products/45/pdf/sds-1635206.pdf

XIX. https://pubchem.ncbi.nlm.nih.gov/compound/93422#section=Safety-and-Hazards&fullscreen=true

XX. https://pubchem.ncbi.nlm.nih.gov/compound/77123#section=Safety-and-Hazards&fullscreen=true