Parameter count comparison between different models

	day1	day2	day3
MLP	237,870	167,509	673,910
TCN	3,961,086	3,379,926	3,961,086
LSTM	1,780,578	3,417,168	1,271,598
Transformer	114,718	180,318	3,046,686
NDT	871,454	427,934	772,894
STNDT	577,984	577,984	972,224
RWKV	8,580,158,400	34,026,748,800	8,580,158,400
Mamba	7,341,312,000	2,226,307,072	3,106,768,896
FEDFormer	14,085,406,720	43,396,136,960	928,040,960
TimesNet	2,935,326	10,223,646	24,066,078
crossFormer	8.40924E+11	2.69289E+12	77,112,707,584
iTransformer	6,155,550	1,200,670	8,619,550
TimeMixer	7,341,312,000	2,226,307,072	3,106,768,896
SynergyNet	2,819,026	3,268,462	2,674,976

Statistics test between SynergyNet and baseline models

Compared with SynergyNet	R2	RMSE	CC
MLP	2.39E-28	2.39E-28	8.61E-29
TCN	1.02E-13	1.02E-13	3.93E-12
LSTM	6.73E-15	6.73E-15	1.64E-12
Transformer	5.04E-18	5.04E-18	1.64E-13
NDT	5.41E-21	5.41E-21	1.28E-20
STNDT	2.30E-14	2.30E-14	4.42E-14
RWKV	1.56E-05	1.56E-05	4.54E-05
Mamba	1.70E-12	1.70E-12	7.86E-12
FEDFormer	1.04E-09	1.04E-09	5.46E-09
TimesNet	3.74E-12	3.74E-12	3.37E-11
crossFormer	3.78E-11	3.78E-11	2.72E-10
iTransformer	5.12E-28	5.12E-28	8.61E-28
TimeMixer	9.03E-29	9.03E-29	2.97E-29

Synergies comparison
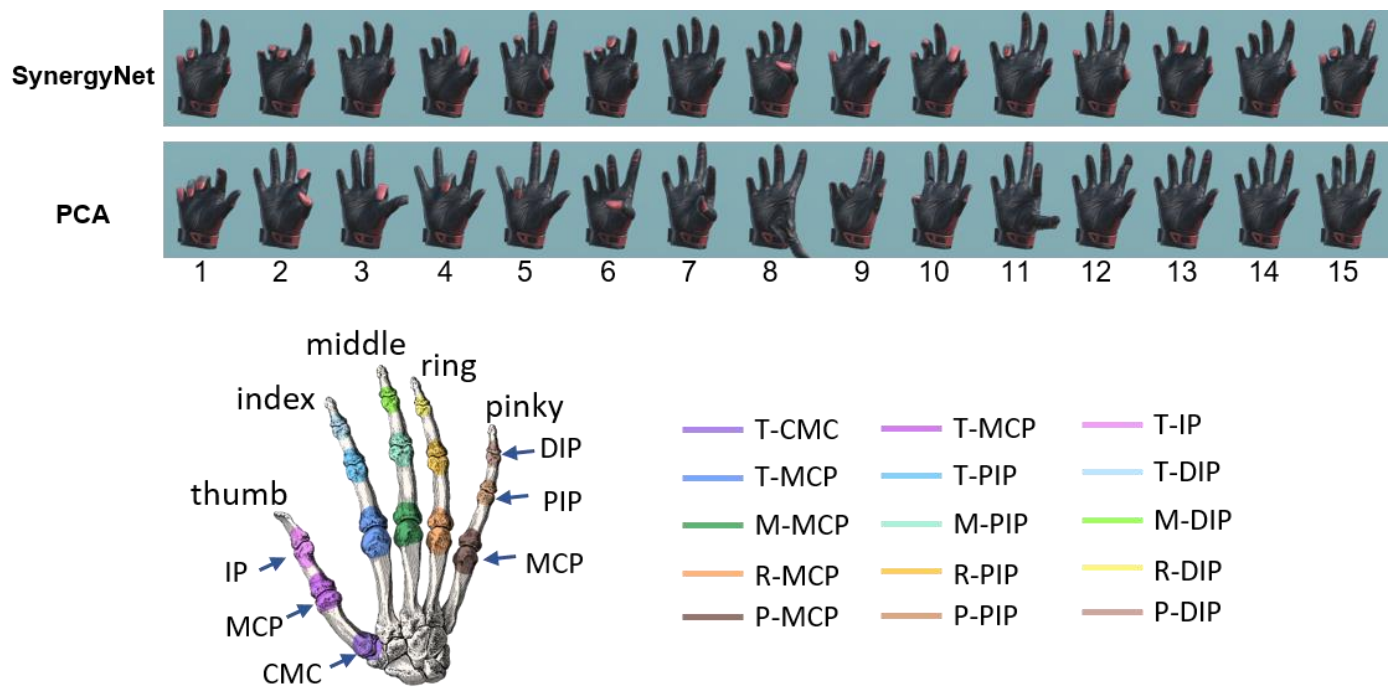
Distance matrix comparison