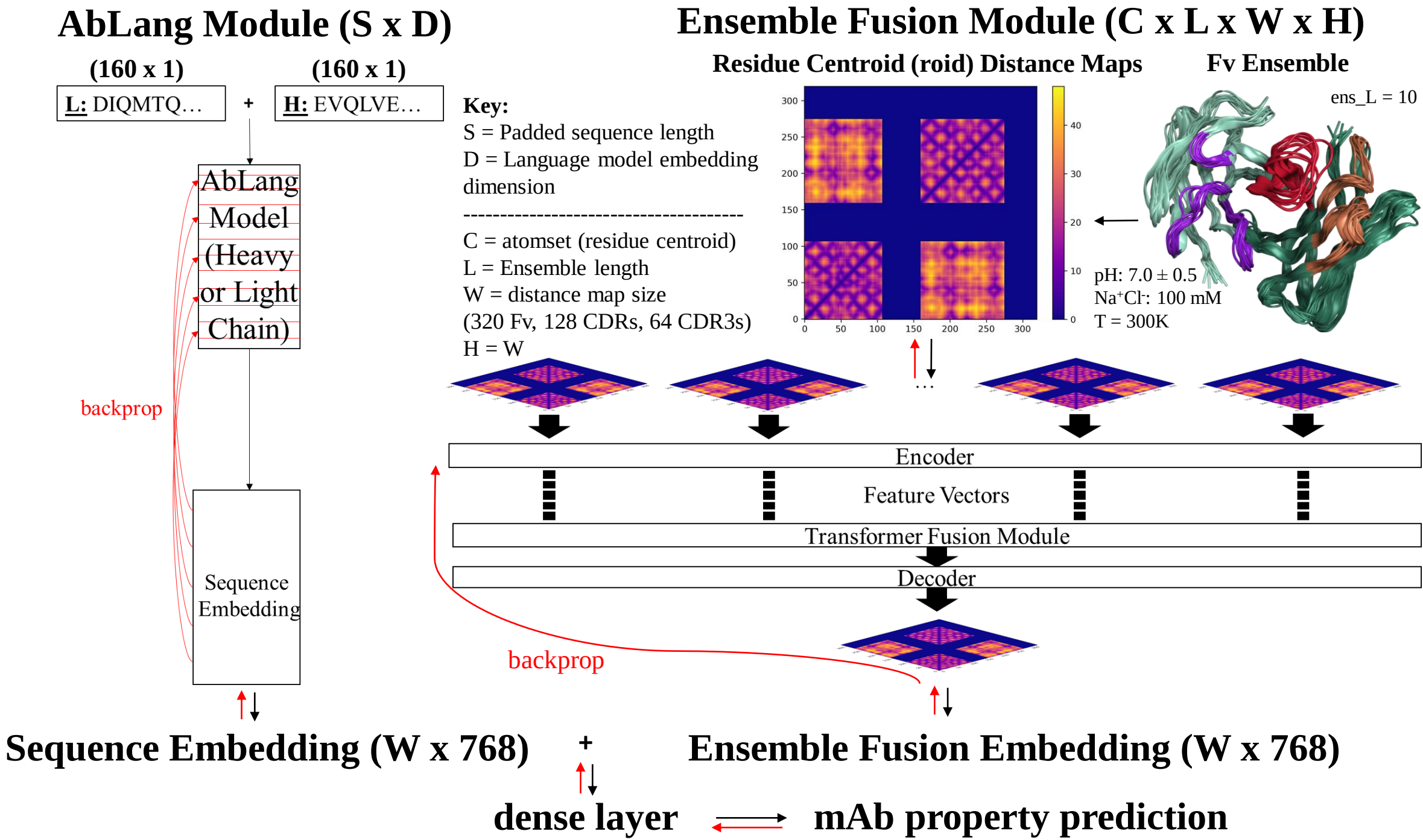
AbLang Module (S x D)
(160 x 1)
(160 x 1)
L: DIQMTQ…
+
H: EVQLVE…
AbLang Model (Heavy or Light Chain)
backprop
Sequence Embedding
Ensemble Fusion Module (C x L x W x H)
Residue Centroid (roid) Distance Maps
Fv Ensemble
Key:
S = Padded sequence length
D = Language model embedding dimension
C = atomset (residue centroid)
L = Ensemble length
W = distance map size
(320 Fv, 128 CDRs, 64 CDR3s)
H = W
ens_L = 10
pH: 7.0 ± 0.5
Na+Cl-: 100 mM
T = 300K
Encoder
Feature Vectors
Transformer Fusion Module
Decoder
backprop
Sequence Embedding (W x 768)
+
Ensemble Fusion Embedding (W x 768)
dense layer
mAb property prediction