```
1 D:\Anaconda\python.exe D:/code/seq2vec/main.py
 2 D:\Anaconda\lib\site-packages\h5py\ init .py:36:
   FutureWarning: Conversion of the second argument of
   issubdtype from `float` to `np.floating` is deprecated
   . In future, it will be treated as `np.float64 == np.
   dtype(float).type`.
    from ._conv import register_converters as
   register converters
4 Using TensorFlow backend.
5 D:\Anaconda\lib\site-packages\tensorflow\python\
   framework\dtypes.py:523: FutureWarning: Passing (type
   , 1) or '1type' as a synonym of type is deprecated; in
    a future version of numpy, it will be understood as (
  type, (1,)) / '(1,)type'.
     _np_qint8 = np.dtype([("qint8", np.int8, 1)])
7 D:\Anaconda\lib\site-packages\tensorflow\python\
   framework\dtypes.py:524: FutureWarning: Passing (type
   , 1) or '1type' as a synonym of type is deprecated; in
    a future version of numpy, it will be understood as (
  type, (1,)) / '(1,)type'.
     _np_quint8 = np.dtype([("quint8", np.uint8, 1)])
9 D:\Anaconda\lib\site-packages\tensorflow\python\
  framework\dtypes.py:525: FutureWarning: Passing (type
   , 1) or '1type' as a synonym of type is deprecated; in
    a future version of numpy, it will be understood as (
  type, (1,)) / '(1,)type'.
     _np_qint16 = np.dtype([("qint16", np.int16, 1)])
10
11 D:\Anaconda\lib\site-packages\tensorflow\python\
   framework\dtypes.py:526: FutureWarning: Passing (type
   , 1) or '1type' as a synonym of type is deprecated; in
    a future version of numpy, it will be understood as (
  type, (1,)) / '(1,)type'.
    _np_quint16 = np.dtype([("quint16", np.uint16, 1)])
12
13 D:\Anaconda\lib\site-packages\tensorflow\python\
   framework\dtypes.py:527: FutureWarning: Passing (type
   , 1) or '1type' as a synonym of type is deprecated; in
    a future version of numpy, it will be understood as (
  type, (1,)) / '(1,)type'.
     np_qint32 = np.dtype([("qint32", np.int32, 1)])
14
15 D:\Anaconda\lib\site-packages\tensorflow\python\
   framework\dtypes.py:532: FutureWarning: Passing (type
   , 1) or '1type' as a synonym of type is deprecated; in
    a future version of numpy, it will be understood as (
```

15 type, (1,)) / '(1,)type'. np\_resource = np.dtype([("resource", np.ubyte, 1)]) 17 D:\Anaconda\lib\site-packages\sklearn\ensemble\ weight boosting.py:29: DeprecationWarning: numpy.core. umath tests is an internal NumPy module and should not be imported. It will be removed in a future NumPy release. from numpy.core.umath\_tests import inner1d 18 19 WARNING:tensorflow:From D:\Anaconda\lib\site-packages\ keras\backend\tensorflow backend.py:1188: calling reduce sum (from tensorflow.python.ops.math ops) with keep dims is deprecated and will be removed in a future version. 20 Instructions for updating: 21 keep\_dims is deprecated, use keepdims instead 22 WARNING:tensorflow:From D:\Anaconda\lib\site-packages\ keras\backend\tensorflow backend.py:1290: calling reduce\_mean (from tensorflow.python.ops.math\_ops) with keep dims is deprecated and will be removed in a future version. 23 Instructions for updating: 24 keep dims is deprecated, use keepdims instead 25 fold 0 26 SVM 27 0.7567567567567568 0.7209302325581395 0. 8378378378378378 0.6756756756756757 0.520401483881538 29 AdaBoost 30 0.7027027027027027 0.6973684210526315 0. 7162162162162162 0.6891891891891891 0.4055535528269063 32 Random forest 33 0.75 0.7402597402597403 0.7702702702702703 0. 7297297297297 0.5004113910281371 35 fold 1 36 SVM

37	0.7567567567568 0.7111111111111 0.
	8648648648648649 0.6486486486486487 0.5259547057403531
38	
39	AdaBoost
	0.6891891891891 0.6794871794871795 0.
70	7162162162162 0.6621621621622 0.
	37893237337253677
11	3/89323/33/2330//
41	
	Random forest
43	0.722972972973 0.6896551724137931 0.
	8108108108109 0.6351351351351351 0.4529908148620123
44	
45	fold 2
46	SVM
47	0.7297297297297 0.69318181818182 0.
	8243243243243 0.6351351351351 0.
	46790960017870326
48	
49	AdaBoost
	0.7297297297297 0.7297297297297 0.
50	7297297297297 0.7297297297297 0.4594594594594595
51	
) <u>1</u>	
E 2	Random forest
53	0.6959459459459 0.7101449275362319 0.
	6621621621622 0.7297297297297 0.
	39278953357342467
54	
55	fold 3
56	SVM
57	0.7210884353741497 0.6987951807228916 0.
	7837837837838 0.6575342465753424 0.4450409028294979

58	
59	AdaBoost
60	0.6666666666666666666666666666666666666
	6621621621622 0.6712328767123288 0.
	33339503887449096
61	
62	Random forest
63	0.7210884353741497 0.7088607594936709 0.
	7567567567568 0.684931506849315 0.4429198533103445
64	
•	
65	fold 4
	SVM
	0.7687074829931972 0.7241379310344828 0.
0,	863013698630137 0.6756756756756757 0.5479998600326182
68	
69	AdaBoost
_	0.7006802721088435 0.6986301369863014 0.
, 0	6986301369863014 0.7027027027027 0.
	4013328396890041
71	
, _	
72	Random forest
	0.7210884353741497 0.7051282051282052 0.
, ,	7534246575342466 0.6891891891891 0.
	44343548070835176
7/	
<i>,</i> –	
75	mean performance of svm using kmer feature
	[0.74660783 0.70963125 0.8347649 0.65853388 0.
70	50146131]
77	30140131]
, ,	

78 mean performance of AdaBoost using kmer feature
79 <module 'd:\\anaconda\\lib\\site-<="" 'numpy'="" from="" td=""></module>
packages\\numpy\\initpy'> [0.69779371 0.69528967
0.70459089 0.69100333 0.39573465]
80
81 mean performance of Random forest using kmer feature
82 [0.72221916 0.71080976 0.75068493 0.69374306 0.
44650941]
83
84
85 Process finished with exit code 0
86