

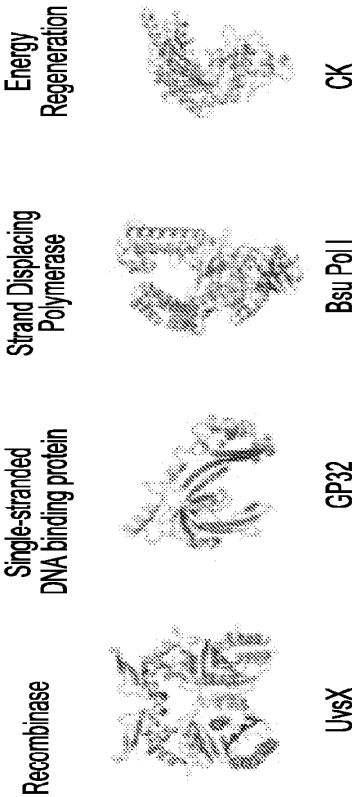


FIG. 1A

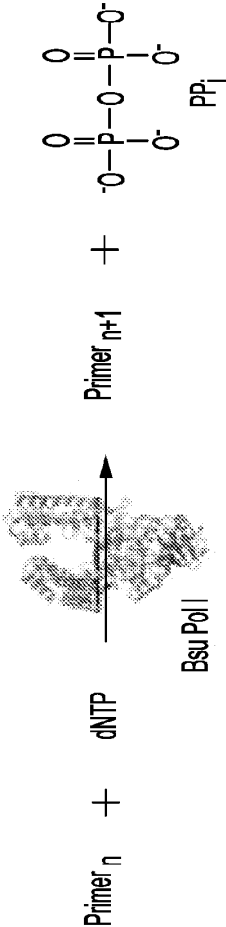
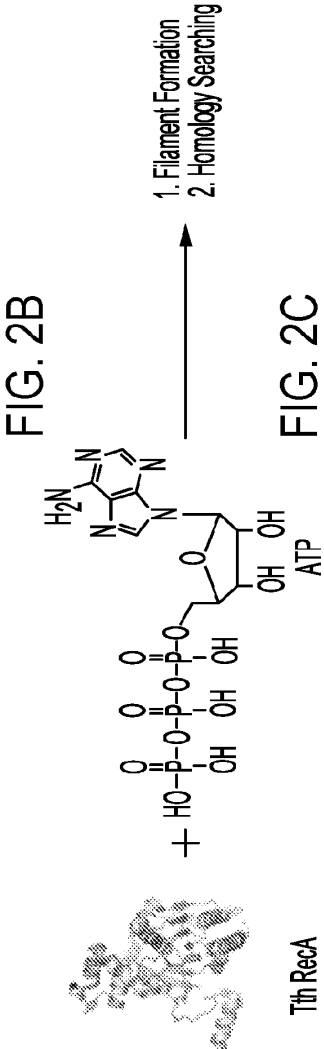
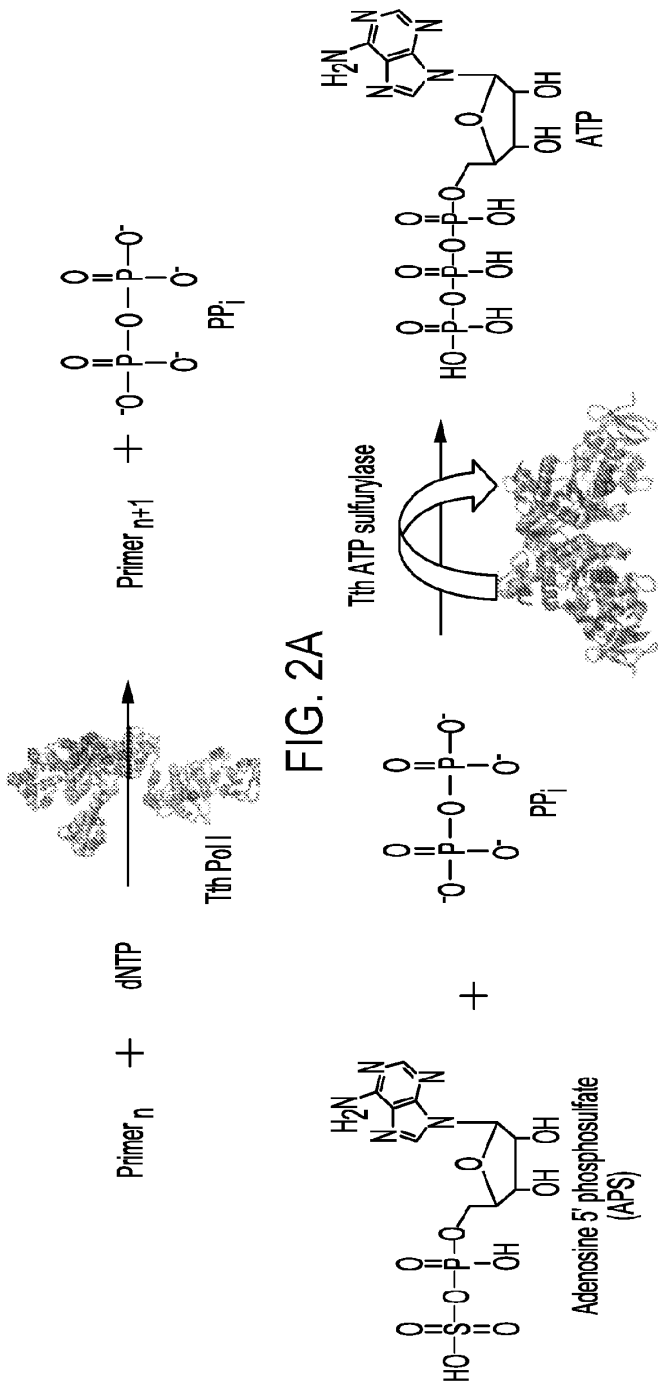


FIG. 1B



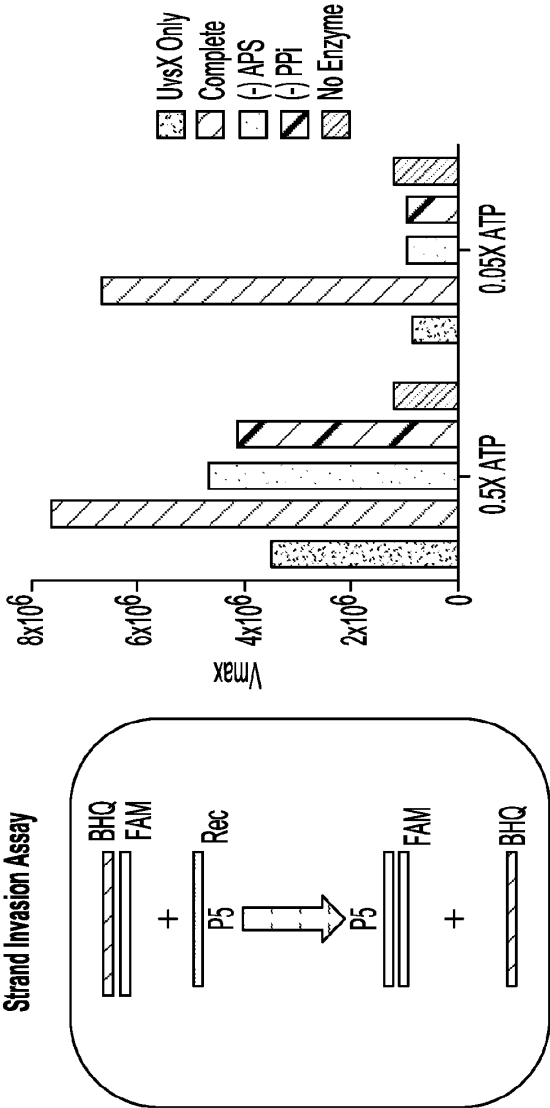
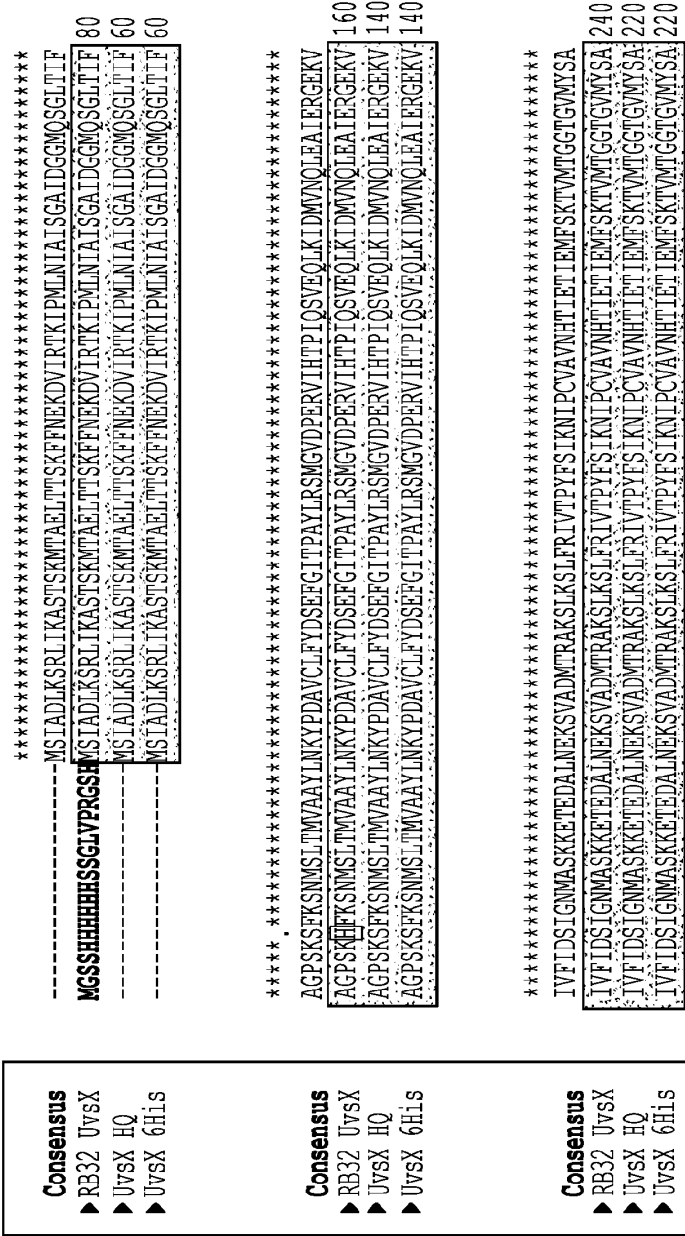


FIG. 3



From FIG. 4A-1

Consensus

- RB32 UvsX
- UvsX HQ
- UvsX 6His

```
*****
DTVFLIGKRQIKDGSDLQGYQFVINVEKSRVTVEKSKTFIDVKFDGGIDPYSGLDMALELGFVVKPKNGWYAREGLDEE
DTVFLIGKRQIKDGSDLQGYQFVINVEKSRVTVEKSKTFIDVKFDGGIDPYSGLDMALELGFVVKPKNGWYAREFLDEE
DTVFLIGKRQIKDGSDLQGYQFVINVEKSRVTVEKSKTFIDVKFDGGIDPYSGLDMALELGFVVKPKNGWYAREFLDEE
DTVFLIGKRQIKDGSDLQGYQFVINVEKSRVTVEKSKTFIDVKFDGGIDPYSGLDMALELGFVVKPKNGWYAREFLDEE
*****
```

Consensus

- RB32 UvsX
- UvsX HQ
- UvsX 6His

```
*****
TGEMIREEKSWRAKDTNCTTFWGPLFKHQPRDAIKRAYQLGALDSNEIVEAEVDELINSKVEKFKSPESKSKSAADLET
TGEMIREEKSWRAKDTNCTTFWGPLFKHQPRDAIKRAYQLGALDSNEIVEAEVDELINSKVEKFKSPESKSKSAADLET
TGEMIREEKSWRAKDTNCTTFWGPLFKHQPRDAIKRAYQLGALDSNEIVEAEVDELINSKVEKFKSPESKSKSAADLET
TGEMIREEKSWRAKDTNCTTFWGPLFKHQPRDAIKRAYQLGALDSNEIVEAEVDELINSKVEKFKSPESKSKSAADLET
*****
```

Consensus

- RB32 UvsX
- UvsX HQ
- UvsX 6His

```
***** *.*.*
DLEQLSDMEEFNEGCHHHH (SEQ ID NO: 12)
DLEQLSDMEEFNEGCHHHH 420 (SEQ ID NO: 8)
DLEQLSDMEEFNEGCHHHH 398 (SEQ ID NO: 10)
DLEQLSDMEEFNEGCHHHH 400 (SEQ ID NO: 12)
```

FIG. 4A (cont.)

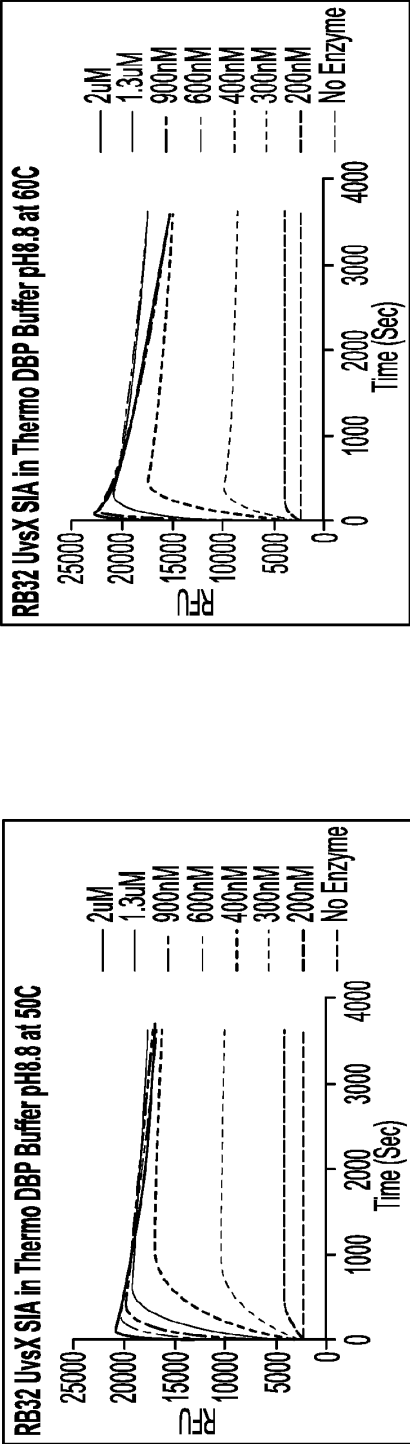


FIG. 4C

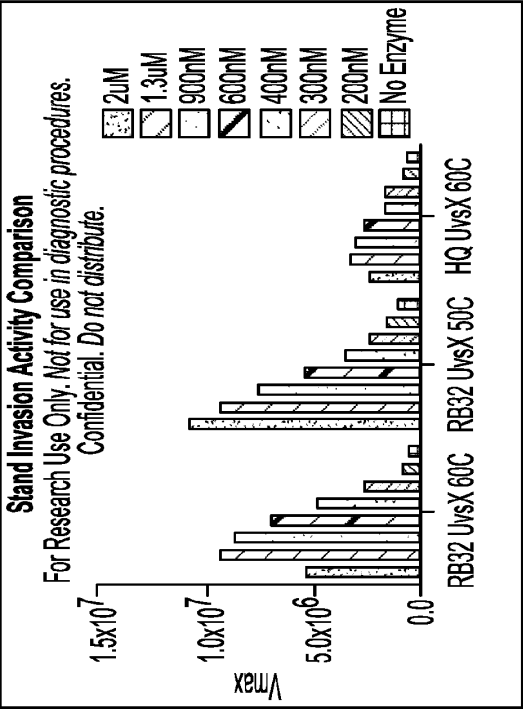


FIG. 4D

FIG. 4B

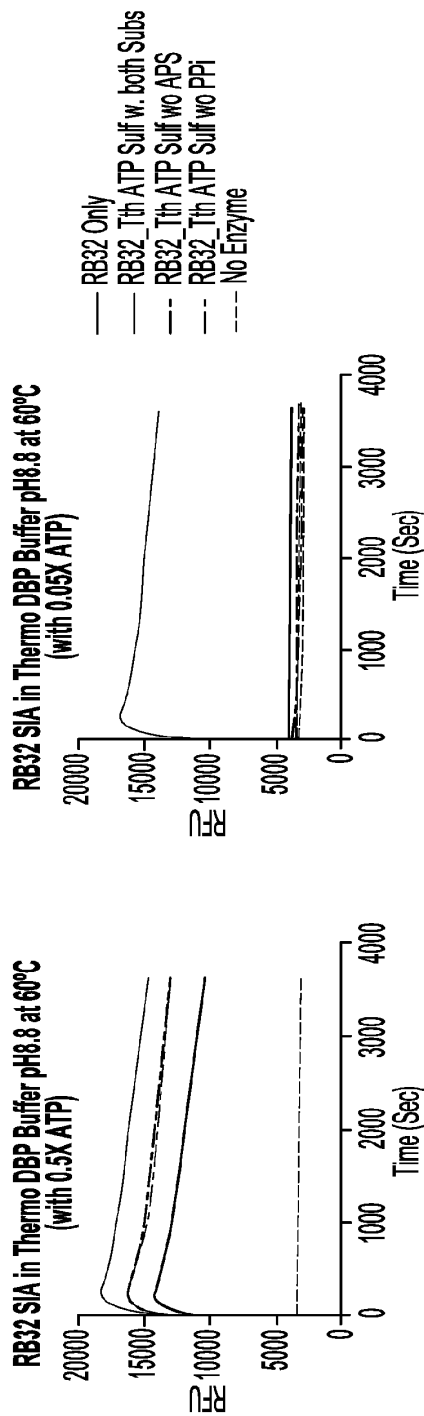


FIG. 5B

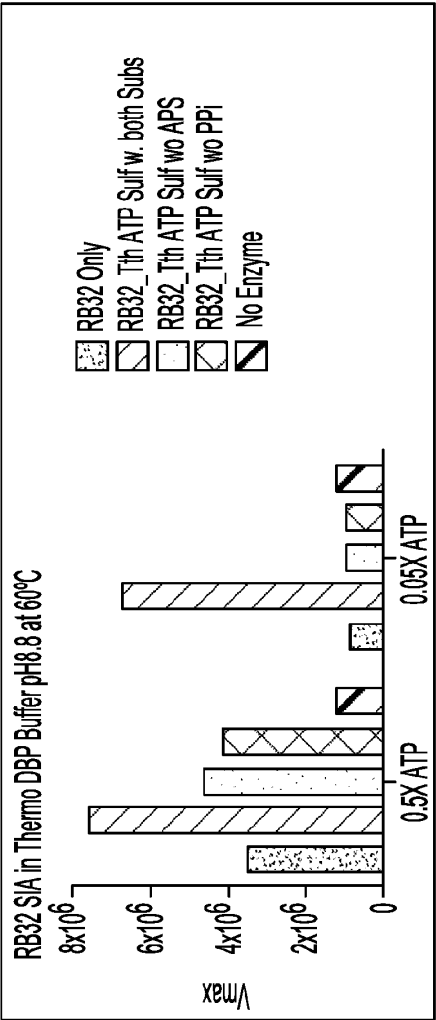


FIG. 5C

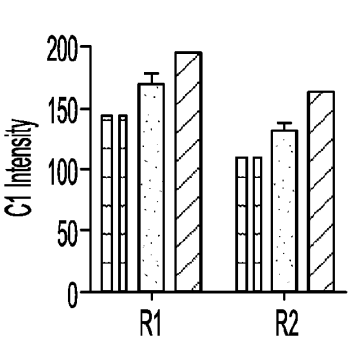


FIG. 6A

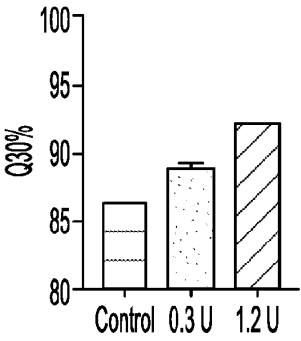


FIG. 6B

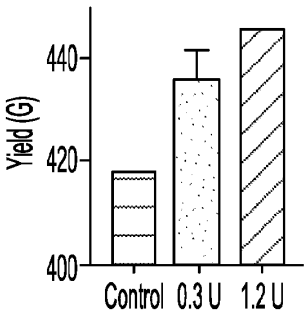


FIG. 6C

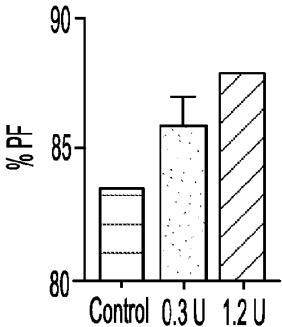


FIG. 6D

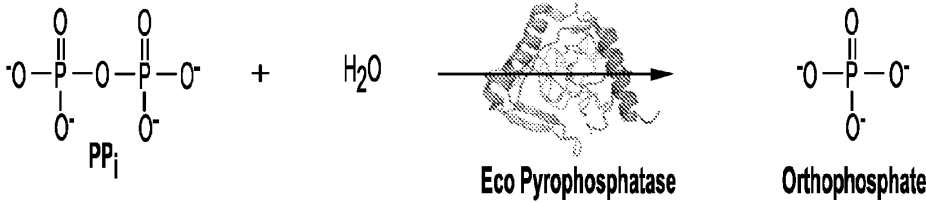


FIG. 6E