ngx_rbtree.h Documentation:

Macros Defined:

```
#define ngx rbt red(node)
                                     ((node)->color=1)
#define ngx rbt black(node)
                                     ((node)->color=0)
#define ngx_rbt_is_red(node)
                                     ((node)->color)
#define ngx_rbt_is_black(node)
                                     (!ngx rbt is red(node))
#define ngx_rbt_copy_color(n1, n2)
                                     (n1->color = n2->color)
#define ngx_rbtree_sentinel_init(node) ngx_rbt_black(node)
#define ngx_rbtree_init(tree, s, i)
                                                            \
  ngx_rbtree_sentinel_init(s);
  (tree) -> root = s;
  (tree)->sentinel = s;
  (tree)->insert = i
```

Type Definitions:

Data Structures:

```
struct ngx rbtree node s {
  ngx_rbtree_key_t
                         key;
  ngx_rbtree_node_t
                        *left;
  ngx_rbtree_node_t
                        *right;
  ngx_rbtree_node_t
                        *parent;
  u char
                        color;
  u char
                         data;
struct ngx_rbtree_s {
  ngx rbtree node t
                         *root;
  ngx_rbtree_node_t
                         *sentinel:
  ngx_rbtree_insert_pt
                         insert:
}
```

Functions Defined:

Include Dependency Graph:

