BNF Syntax of Ruby

Based on http://docs.huihoo.com/ruby/ruby-man-1.4/yacc.html with some editing. I have found other websites asserting that Ruby version 1.4.6 is the latest with a reference manual in English, http://docs.huihoo.com/ruby/ruby-man-1.4/index.html, though Ruby exists up to v1.9 in Japanese.

ALL-CAPS are used for nonterminals, and all-lowercase for literal keywords. Literal ( ) [ ] { } are quoted to distinguish them from BNF syntax.

```plaintext
PROGRAM : COMPSTMT
T : ";" | "\n" // a newline can terminate a statement

COMPSTMT : CALL do ["" [BLOCK_VAR] ""] COMPSTMT end
          | undef FNAME
          | alias FNAME FNAME
          | STMT if EXPR
          | STMT while EXPR
          | STMT unless EXPR
          | STMT until EXPR
          | "BEGIN" "{" COMPSTMT "}" // object initializer
          | "END" "{" COMPSTMT "}" // object finalizer
          | LHS = COMMAND [do ["" [BLOCK_VAR] ""] COMPSTMT end]
          | EXPR

EXPR : MLHS = MRHS
     | return CALL_ARGS
     | yield CALL_ARGS
     | EXPR and EXPR
     | EXPR or EXPR
     | not EXPR
     | COMMAND
     | ! COMMAND
     | ARG

CALL : FUNCTION
     | COMMAND

COMMAND : OPERATION CALL_ARGS
         | PRIMARY.OPERATION CALL_ARGS
         | PRIMARY :: OPERATION CALL_ARGS
         | super CALL_ARGS

FUNCTION : "(" [CALL_ARGS] ")"
         | PRIMARY.OPERATION "(" [CALL_ARGS] ")"
         | PRIMARY :: OPERATION "(" [CALL_ARGS] ")"
         | PRIMARY.OPERATION
         | PRIMARY :: OPERATION
         | super "(" [CALL_ARGS] ")"
         | super
```