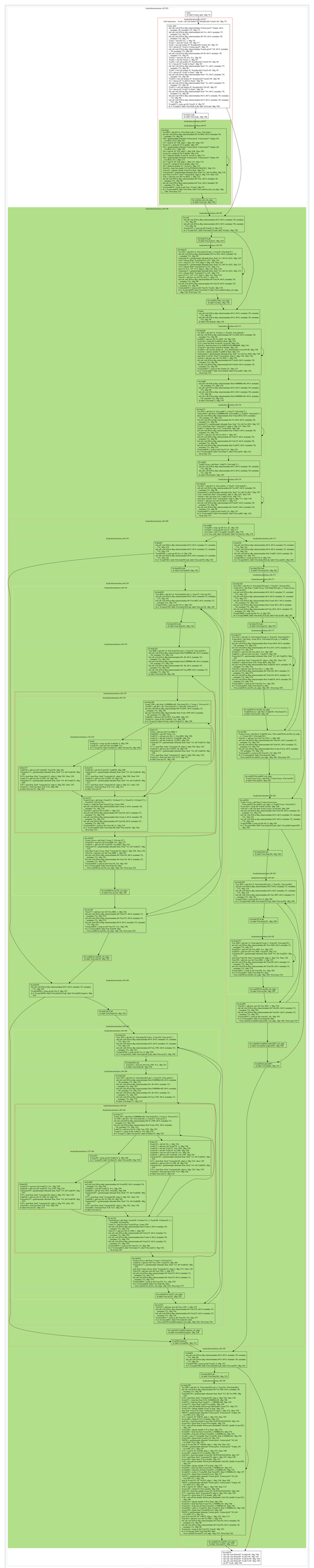
bwa.dna-chromosome.s42:203
%7 = bitcast %struct.gap_stack* %stack to i8*, !dbg !156
bwa.dna-chromosome.s42:207
Call instruction: %call1 = call void @mem_chain2aln(%struct.bwt_t* %bwt, %struct.bntseq_t* %bns, i8* %pac, i32 %l_seq, i8* %seq, %struct.mem_chain_t* %chain, %struct.mem_alnreg_t* %a, i32 %opt, %struct.bwtint_t* %sa, %struct.gap_stack* %stack), !dbg !158
%8 = load %struct.mem_alnreg_t* %a, !dbg !159
br label %for.inc, !dbg !160
bwa.dna-chromosome.s42:207
%indvars.iv = phi i64 [0, %for.body], [%indvars.iv.next, %for.inc], !dbg !161
%a.0 = phi %struct.mem_alnreg_t* [%8, %for.inc], !dbg !162
%9 = load i8* %l_seq, !dbg !163, !tbaa !164, !range !166
%conv3 = zext i8 %9 to i64, !dbg !163
%10 = getelementptr inbounds %struct.gap_stack* %stack, i32 0, i32 0, !dbg !167
%11 = load i8* %10, !dbg !167, !tbaa !168
%conv4 = zext i8 %11 to i64, !dbg !167
%12 = shl nsw i64 %conv4, 1, !dbg !169
%13 = lshr exact i64 %12, 1, !dbg !169
%cmp5 = icmp slt i64 %indvars.iv, %conv3, !dbg !170
br i1 %cmp5, label %for.body6, label %for.end, !dbg !160
bwa.dna-chromosome.s42:207
%14 = bitcast %struct.mem_alnreg_t* %a.0 to i8*, !dbg !171
%15 = mul nsw i64 %indvars.iv, 56, !dbg !172
%16 = bitcast %struct.gap_stack* %stack to i8**, !dbg !173
%17 = load i8** %16, !dbg !173, !tbaa !174
%18 = mul nsw i64 %conv4, 56, !dbg !175
%19 = sub nsw i64 %15, %18, !dbg !176
%20 = sub nsw i64 %19, 56, !dbg !177
%21 = sub nsw i64 %20, %13, !dbg !178
%22 = sub nsw i64 %21, %13, !dbg !179
%23 = sub nsw i64 %22, %13, !dbg !180
%24 = sub nsw i64 %23, %13, !dbg